

Dr. Danijela Puric-Mladenovic

Personal and Contact Information

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RESEARCH INTERESTS

My research and professional work span from urban, peri-urban to ex-urban and rural landscapes and their interfaces. My work focuses on conservation, restoration and long-term strategic planning and management of trees, woodlots, forests, green areas and green systems that support biodiversity and environmental protection, sustain cultural landscapes and their urban and rural communities, provide a range of ecological goods and services, and enhance human health and wellbeing. My focus is on forest monitoring in urban and peri-urban areas, predictive modelling and mapping of forest and carbon biomass, species distribution analysis using GIS and remote sensing data, and linking forest and natural heritage management with landscape planning.

AREAS OF SPECIALIZATION

Urban and peri-urban forestry; forest ecology and conservation; plant, vegetation community and landscape ecology; dendrology and tree species ecology; forest and other vegetation inventory and monitoring; sampling design; vegetation and forest inventory and monitoring ; climate change modeling; predictive vegetation, habitat and

species modeling; historical ecology; forest biomass and carbon modeling; spatial landscape planning; spatial conservation planning; green systems design planning; spatial restoration planning; spatial analysis and geographic information system (GIS); landscape planning and conservation; biophysical remote sensing of terrestrial ecosystems.

ACADEMIC QUALIFICATIONS

Doctor of Philosophy (Ph.D.)	Forestry Faculty of Forestry, University of Toronto (2003)
Master of Science (M.Sc.)	Landscape Architecture and Forestry Faculty of Forestry, University of Belgrade (1992)
Bachelor of Science (B.Sc.)	Landscape Architecture and Forestry Faculty of Forestry, University of Belgrade (1988)

ACADEMIC POSITIONS HELD

Nov 2018 – Jun 2019	Associate Professor (Status Only)	Faculty of Forestry, University of Toronto
Jun 2010 – Nov 2018	Assistant Professor (Status Only)	Faculty of Forestry, University of Toronto
Jun 2006 – May 2010	Adjunct Professor	Faculty of Forestry, University of Toronto
Jul 2003 – Sep 2004	Post-doctoral Fellow & Research Fellow Associate	Faculty of Forestry, University of Toronto
Sep 1997 – Jun 2003	Ph.D. Candidate & Urban Forest Research Assistant	Faculty of Forestry, University of Toronto
Apr 1995 – Sep 1997	Research Assistant	Faculty of Forestry, University of Toronto, Urban Forests Centre
Oct 1994 – Apr 1995	Research Assistant	Faculty of Forestry, University of Toronto Urban Forests Centre & Bio-energy Research Group
Sep 1992 – Apr 1994	Senior Researcher & Lecturer	Faculty of Forestry, University of Belgrade Department of Landscape Architecture
Oct 1989 – Sep 1992	Junior Researcher & Instructor	Faculty of Forestry, University of Belgrade Department of Landscape Architecture

PROFESSIONAL POSITIONS HELD

Sep 2013 - June 2019	Settled Landscapes Senior Analyst	Science and Research Branch, Ontario Ministry of Natural Resources and Forestry (OMNRF); Natural Heritage Information Center
Jan 2005– Sep 2013	Settled Landscapes Senior Analyst	Southern Science and Information Section, Ontario Ministry of Natural Resources (OMNR); Information Management and Spatial Analysis Unit
Sep 2004 – Jan 2005	Southern Ontario Forest Restoration Specialist	Southern Science and Information Section, Ontario Ministry of Natural Resources (OMNR); Information Management and Spatial Analysis Unit
Feb 1995 – Apr 1995	Conservation Technician	Ministry of Natural Resources, Halton-Peel Region, Maple

MOST SIGNIFICANT CONTRIBUTIONS TO RESEARCH (Last 6 Years)

My research reflects high productivity by providing real-world solutions and tools to support conservation and restoration of forests and natural vegetation, in urban and peri-urban landscapes. I explore questions that integrate the conservation of biodiversity and ecosystems while ensuring a sustainable flow of ecological goods and services to populations. The central themes of my research are to develop methods and tools that bring conservation into land-use planning, provide evidence to inform policy and provide solutions to balance ecological and social needs. To achieve this, I integrate disciplines from dendrology, vegetation ecology, field sampling, remote sensing, landscape and spatial conservation planning, citizen science, to spatial decision tools. The five key areas of my researches include:

A) FOREST MONITORING IN URBAN AND PERI-URBAN LANDSCAPES

I developed urban and peri-urban forest monitoring protocols *Neighbourwoods®* and Vegetation Sampling Protocol (VSP) that have established standards and have been implemented for over two decades. Besides developing these protocols, my most significant work has been in inventorying and monitoring forest within multifaceted, multi-stakeholder and predominately privately-owned lands. I have engaged in collaborative forest monitoring programs with diverse partners and stakeholders, including academia, community groups, conservation authorities, landowners and all levels of government.

VSP, a fixed-area plot-based natural areas inventory protocol, has been implemented in over 4,000 plots covering about 1/3 of the land base in southern Ontario, ranging from urban to peri-urban areas. VSP has been chosen by the Ministry of Natural Resources to support requirements of the Lake Simcoe Protection Plan (2008), with 450 permanently marked plots established and sampled in 2017. VSP monitoring is also implemented by many municipalities in southern Ontario including the City of Kitchener, City of Guelph, City of Cambridge, and the City of Mississauga, as well as by Conservation Ontario, Parks Canada at Rouge Park, and Lake Simcoe Region Conservation Authority. Scientific, technical reports, government documents and papers have been published demonstrating the significant impact of VSP has on conservation in settled and urbanized landscapes (Puric-Mladenovic & Spyron 2017; Puric-Mladenovic & Strobl 2012; Puric-Mladenovic et al., 2011).

In collaboration with Dr. Andy Kenney, I developed **Neighbourwoods®**, an urban single-tree inventory and monitoring protocol, to aid community groups in stewardship and enhancement of the urban forest. This program has been thriving on research and community volunteering efforts to collect data for over 25 years. The research team is now working on urban forest carbon, diversity and health projects using the *Neighbourwoods®* data which to date include over 200 species and 200,000 trees. The main contributions of my programs include pioneering inventory and monitoring protocols, implementing them, developing a network of natural area monitoring sites (~4,000 plots across southern Ontario), and generating extensive single-tree inventory data, providing the necessary resources to conduct a large-scale analysis on urban and peri-urban forest. Both VSP and *Neighbourwoods®* contributed hugely to training of HQPs from academia and professionals to community groups.

B) URBAN FOREST CARBON

As part of the Ontario Land Use Carbon Inventory project and the National Urban Forest Trends project with Tree Canada/ECCC I developed and designed a jurisdictional scan survey to understand the state and extent of municipal urban forest inventories across Canada and their potential application to a settled land use carbon inventory. I served as team lead for four universities (University of Toronto, Dalhousie University, Université du Québec à Montréal and University of British Columbia). This information enabled an assessment of the inventory approaches and relevant data and a better understanding of their potential and limitation to land use carbon inventory reporting. I also have been testing methodologies to improve national and provincial urban tree canopy cover estimation and carbon stock and flux estimations using available data at the municipality/ecoregion level. Some of these include exploring how to account for the large variability in urban forest structure, land uses and land cover types across and within individual cities. I investigated and assessed how ECCC canopy point sampling can be improved and be made more representative of urban land use classes.

C) PREDICTIVE MODELING AND MAPPING

My predictive modelling research ranges from predicting past landscape and forest conditions, existing forest species distribution and structure, to predicting forests under future climate scenarios. I extended this to

model forest biomass and carbon by combining site-level measures and remotely sensed variables. I modelled biomass and carbon across larger landscapes, such as the Bruce Peninsula (Eco-district 6E-14) and the Lake Simcoe watershed (Eco-districts 6E-6 to 6E-9). These are the first regional carbon density map in southern Ontario. The research and results contributed knowledge to understand biomass and carbon distribution across different forests and successional stages. My carbon and biomass modelling research, along with the VSP methodology, have been studied for utilization in potential carbon offsets in southern Ontario. I also extended my work in vegetation modelling and climate change research to assess tree species and forest vulnerability to climate change.

D) FOREST COVER CHANGE AND ECOSYSTEM FUNCTIONS

Land development, invasive species, climate change and habitat fragmentation, are just some of the pressures imposed on forests and plant communities. My research focuses on determining baseline conditions of natural cover, upon which changes can be measured into the future. To do so, my work also involves developing indicators of natural cover quality and determining their thresholds. For example, my research on natural areas monitoring has contributed to the development of several indicators of natural cover quality in the Lake Simcoe watershed. One of the indicators is live forest biomass. Also, I have been examining invasive plants distribution and novel vegetation assemblages in urban and peri-urban areas. I have assessed the risk of losing Ash due to the emerald ash borer in the urban woodlots of Kitchener and Guelph, which helped inform urban forest management actions (Puric-Mladenovic & Baird, 2017). My research on the Niagara Escarpment Biosphere Reserve helped detect changes in forest composition and forest homogenization that occurred over 40 years. This work demonstrated the importance of site-level inventory and monitoring the information which serves as a baseline for conservation, management and land use planning (Puric-Mladenovic & Araya, 2018).

E) SPATIAL CONSERVATION & RESTORATION PLANNING

The fourth key area of my research is spatial and systematic conservation planning and spatial optimization. I developed a methodology to prioritize restoration on the Oak Ridges Moraine, ON (Puric-Mladenovic & Strobl, 2006). The research outcomes of this work were implemented and resulted in the targeted restoration of 680 ha of lands guided by the spatial prioritization map I produced. I also developed a natural heritage system design methodology (Puric-Mladenovic & Strobl, 2012) as part of the Ontario government's Eco-Vision and Natural Spaces Program. The method I developed has been implemented by several conservation groups in southern Ontario, and the resulting maps have been used for strategic land conservation and acquisitions across landscapes. This work also contributed to opportunities for further research on how to incorporate carbon, future risks and climate change in the development of conservation, restoration priority and green system areas.

F) TECHNOLOGY TRANSFER AND KNOWLEDGE SHARING

I provide science support, knowledge and technology transfer to stakeholders, partners and the public. I achieve these through a coordinated technology transfer activity including communicating scientific information, protocols, models, maps and results and implementing inventory and monitoring programs. I disseminate knowledge and research findings through training, conferences, symposiums, seminars, workshops, forums, collaborative projects and scientific publications, etc. Through my work I facilitate collaboration and knowledge transfer among government and non-government partners, from provincial, federal and municipal governments, conservation authorities, academic institutions, non-governmental organizations to citizen scientists, across the settled and urban landscapes.

EXPERIENCE (In Chronological Order)

Senior Analyst - Settled Landscapes (2005 – 2019), Ontario Ministry of Natural Resources and Forestry

- Provided science and research lead in developing novel methodologies to support landscape planning, policy and management initiatives in southern Ontario.
- Developed and implemented innovative and integrative sampling, inventory, monitoring and analytical methods to support long-term landscape and forest conservation, restoration, planning and management of urban and peri-urban areas in Ontario.
- Lead provincial science and research related to urban forest and settled Land Use Carbon Inventory (2017-2018).
- Lead research on forest quality, diversity, carbon modelling and land-use carbon inventory in settled Ontario.
- Lead science and research on the conservation-based design of green systems (Natural Heritage Systems), including developing documents and communications related to the provincial strategic natural heritage systems (NHS) in Southern Region, NHS Operational Framework, NHS implementation manual, implementation policy, OMNR Natural Heritage Reference Manual and its Supplement.
- Conduct research on historical ecology, modelling and mapping of historical (pre-settlement) landscape and forest distribution, composition and structure.
- Lead scientific and technical development of conservation science and mathematical optimization-based methodology for defining a system of green areas (Natural Heritage Systems) and conservation priority areas in southern Ontario to support the government's Eco-Vision and Natural Spaces Program.
- Provide science support and advice on the implementation of the NHS design methodology (2005- 2013).
- Lead the development of vegetation sampling methodologies and protocols that complement the spatial analysis and use of spatial and spectral information for vegetation modelling.
- Implement the sampling protocol to support data needs for statistical vegetation modelling and mapping.
- Lead the existing vegetation predictive vegetation modelling and mapping projects. Study areas: Greater Park Ecosystem Areas for the Bruce Peninsula, Trent Severn Waterway and St. Lawrence National Parks and Kawartha Highlands Provincial Park and eco-districts 6e10.
- Provide scientific and analytical expertise to various projects within the MNR and to the external stakeholders.
- Provide expertise, science support and advice to non-governmental groups and conservation organizations in Southern Ontario: Implementation of Tracking System for Monitoring Invasive Species in the Lake Simcoe Basin (2008-09); Estimate of Historic Wetland Extents and Wetland Conversion Analysis (MNR; OMAFRA; EC; DUC) (2007-09); Conservation Action Planning (CAP) Process lead by Carolinian Canada (2008); Nature Conservancy Canada – Eastern Ontario (2009), Credit Valley Conservation Authority (2007-2017); National and Provincial Parks (2005-2019).
- Promote and communicate science-based landscape management and planning internally and outside of the OMNRF.
- Provide science support and technology transfer to internal and external stakeholders through lectures, and training.
- Provided science support and advice to the implementation of the NHS design methodology (2005-2014).
- Developed, tested and piloted the NHS design methodology in eco-districts 7e5 and 6e6 in southern Ontario. The methodology was implemented by (2005-2008)
- Reviewed the applications, methods and products for the Ecological Goods and Services (2008-2010).
- Designed and developed a practical vegetation sampling protocol (VSP) that meets multiple OMNR, stakeholders and science applications and needs. To date, the VSP has been used and applied by OMNR, national and provincial parks and NGO organizations in approximately 30% of the Southern Ontario lands base.
- Directed and lead pre-settlement vegetation modelling and mapping, from project design, modelling, prediction, to mapping of pre-settlement vegetation. Study areas include Regional Municipalities of York, Peel, Halton, and Hamilton, and Credit Valley Conservation Authority.
- Acted as part of the Heritage Reference Manual Review Team; contributed to the development and review of the [*Natural Heritage Reference Manual for Natural Heritage Policies of the Provincial Policy Statement, 2005. Second Edition*](#) (2014).
- Provided science support and participated in the internal MNR forums and teams: team member of the Lake Simcoe Protection Plan (2009); member of the MNR core team for the revised Natural Heritage

Reference Manual to support the interpretation of the 2005 Provincial Policy Statement (issued March 1, 2005) and to promote the protection of natural heritage (2006-2009); active member of the OMNR Natural Heritage Forum (2008-2013).

- Reviewed and contributed to the development of *“An Operational framework to advance Natural heritage system (NHS) design and planning in southern Ontario”* by Lemieux, C. OMNR, Peterborough, 2011 (60 pp).
- Participated in technical and advisory committees: Historic Climate Analysis Tool (2009); Ecological Land Classification (2005-present); MNR Natural Spaces – Natural Heritage Systems (NHS) Analysis team (2005-2007); MNR-State of the Recourse Reporting (2006-2007); MNR-Southern Ontario’s Changing Forest Cover (2005).
- Provided reviews: Mixed Wood Plains Ecozone Status and Trends Report submitted to the Canadian Council of Resource Ministers Secretariat (2009); Significant Woodlands criteria developed by MNR Kemptville District (2008).
- Modelled and mapped carbon and biomass for the eco-district 6e14 and the Bruce Peninsula National Park (2009).
- Modelled and mapped vegetation and habitat characteristics for the eco-district 6e10 and the Greater ecosystem area of St. Lawrence National Park (2009).
- Acted as part of the core team that developed the project “Estimation of Ecosystem Service Values for Southern Ontario”. Reviewed the report [*“Estimation of Ecosystem Service Values for Southern Ontario”*](#), prepared by Spatial Informatics Group, Troy, A. and Bagstad, K. (2009).
- Participated in the national technical team developing habitat-based biodiversity standards under the National Agri-Environmental Standards Initiative (NAESI), lead by the Environment Canada (2007-2009).
- Modelled distribution of 130 tree species, native to Ontario and the Eastern United States, for the WWF project *“Impact of 2 degree global temperature rise on Ontario’s boreal forests”*. Collaborative work with the Faculty of Forestry, University of Toronto (2006).
- Developed analytical and mapping method that was implemented to create Southern Ontario Interim Land Cover (SIL) (2006).
- Developed modelling and analytical techniques for biophysical and floristic vegetation mappings.
- Acted as science lead to the MNR internal report *“Considerations for the Ontario Ministry of Natural Resources for Landscape Planning and Management on the Settled Landscape of Southern Region”* (2006).
- Served as science and technical lead to the development of Natural Heritage Assessment and ANSI Report for Eco-district 6E-9 (2006).
- Modeled pre-settlement vegetation distribution for Temagami and Algonquin Provincial Parks (2005).

Associate Professor, Status Only, Faculty of Forestry, University of Toronto (Nov.2018 – Jun.2019)

- Part of a team of experts, formed by The Nature Conservancy and its Canadian affiliate, Nature United, to quantify the potential for natural systems in Canada to mitigate climate change (2018-2020).
- Lead a national urban forest carbon research *“Canada’s urban forest carbon inventory: assessing land use stratification approaches”* (2018-2019).
- Lead forest carbon estimates for University of Toronto properties (2018-2019).
- Continued to design, develop and lead direct natural cover monitoring program and research in urban and peri-urban landscapes. Study areas include City of Kitchener, City of Toronto, and City of Mississauga.
- Supervised Master of Forest Conservation (MFC) students on their internships and capstone projects.
- Supervise Master of Science, Ph.D. students and postdoctoral fellows.

Assistant Professor, Status Only (2010 – 2018), Faculty of Forestry, University of Toronto

- Lead a national urban forest carbon research which is a collaborative project among four Canadian universities and Tree Canada (2017-2018).
- Initiate and lead a Mitacs and Tree Canada funded project *“Canada’s Urban Forestry Footprint: Mapping the extent and intensity of urban forestry activities”* (2017-2018).
- Designed, developed and lead direct natural cover monitoring program and research in urban and peri-urban landscapes (2011-2018). Study areas include The Lake Simcoe Watershed, City of Kitchener, City of Guelph, City of Mississauga and City of Cambridge.

- Conducted research on forest inventory, monitoring and related aspect of forest characterization, mapping and modelling.
- Conducted research on conservation planning, management, restoration and enhancement forest in settled landscapes.
- Applied the research to directly respond to varied issues and complex forest conservation needs across varied rural and urban landscapes.
- Continue research and advance the development of the *Neighbourwoods* protocol and assist with its delivery to communities across Ontario.
- Provide lectures in urban forest conservation and forest conservation in settled landscapes.
- Supervise Master of Forest Conservation (MFC) students on their internships and capstone projects.
- Contributed to the enhancement of the professional linkages between the Faculty of Forestry and conservation communities across Ontario and Canada.
- Contributed to the enhancement of the professional linkages between the Faculty of Forestry and conservation communities across Ontario and Canada.

Adjunct Professor, Faculty of Forestry, University of Toronto (Jun. 2006 – Jun. 2010)

- Built links between the OMNR Southern Science and Information and the Faculty of Forestry.
- Gave seasonal lectures to MFC classes on landscape planning and management concepts and methods.
- Facilitated collaboration on Urban Forest (UF) inventories, data collection, analysis, and mapping projects.
- Facilitated collaboration on the Ontario climate change project (Version2).
- Supervised MFC students on their internships.
- Acted as an external supervisor for MFC student research papers.

Southern Ontario Forest Restoration Specialist, Information Management and Spatial Analysis, Southern Science and Information Section, Ontario Ministry of Natural Resources (Sept.2004-Jan.2005)

- Developed an innovative conservation science and landscape planning-based methodology for defining restoration priority areas on the Oak Ridges Moraine (ORM).
- Defined restoration priorities and land potential for restoration on the ORM using mathematical optimization and spatial analysis techniques.
- Provided scientific and technical advice to the writing team of Oak Ridges Moraine Stewardship Strategy.
- Modelled and mapped the pre-settlement distribution of prairie and savannah on the ORM.
- Participated in the Technical Advisory Team for the York Region Significant Woodlands Study (2003-2004).

Post-doctoral Fellow & Research Fellow, Faculty of Forestry, University of Toronto (July 2003 – Sept.2004).

- Conducted a research project - *"Adaptive Responses to Climate Change-induced Tree Migration in Ontario"*.
- Lead modelling of current and future climate distributions of 130 species of trees, native to Ontario and the Eastern United States.
- Modeled abundances of major boreal tree species (far north and outside of the FRI inventory area) from the mean monthly NDVIs and environmental variables.
- Provided technical expertise to the OMNR Spatial Analysis Committee and the Oak Ridges Moraine Foundation Restoration Strategy Committee.
- Provided scientific expertise for establishing research projects related to climate change and biodiversity indicators at the Faculty of Forestry, University of Belgrade (2004).
- Provided technical and GIS expertise related to the Urban Forest Management System for St. George campus, University of Toronto (2004).
- Provided a technical review of Toronto and Region Conservation Authority's draft of methodology for *"Designing a Target Terrestrial Natural Heritage System"* (Dec 2003).
- Designed the *"Best Management Practices Database"* for the Raisin Region Conservation Authority, ON (Oct 2003).

Ph.D. Candidate & Urban Forest Research Assistant, Faculty of Forestry, University of Toronto (Sept.1997 – June. 2003 including 1.5-year parental leave)

- Designed and conducted Ph.D. research project - *"Predictive Vegetation Modeling for Forest Conservation and Management in Settled Landscapes"* (1997-2003).

- Secured funding for the project, managed the planning and budget of the research project; trained and supervised research assistants (1997-2003).
- Applied GIS, remote sensing, and spatial analysis techniques to model and map the existing forest cover for the Region of York (1997-2001).
- Coordinated and directed development GIS-based forest inventory and mapping for the Region of York (1998).
- Coordinated and directed development GIS-based forest inventory and mapping for the Region of York (1998).
- Tested and reviewed the Federation of Ontario Naturalist's methodology for *"Significant woodlands strategy guidelines: Level 2, GIS-based, assessment of woodlands"* (2003).
- Provided professional advice and assistance to municipalities and conservation authorities (1997-2003).
- Supplied GIS, remote sensing, and database management expertise for a project entitled *"The Role of Urban Forests in Green House Gaseous Reduction"* (2001).
- Conducted plant identification for various projects and urban forestry professionals (1997-2003).
- Established a herbarium of native forest species and non-native woody plants found in urban areas of Southern Ontario (1994-2003).
- Developed and designed an urban tree inventory and a sampling protocol.
- Designed, developed and programmed a computer-based urban forest management program "UFMS" (1997-2003), which was implemented by the City of Kingston and the St. George Campus.
- Designed a poplar/willow clonal database for Bio-energy Research Group, Faculty of Forestry (1997).
- Designed and programmed a computer-based urban forest inventory program "[Neighborwoods](#)" (1997-2003).
- Provided professional advice and lead for the development of a tree inventory for the City of Thunder Bay and their GIS database (1998-2001).
- Wrote a chapter on forest history and forest cover for the Discussion Paper *"Greening of York Region Initiative"* (Apr 2000).
- Designed the Faculty of Forestry's databases on MFC student applications and internship placements; Employment applicant's records; Space allocation and management database (1997-98).
- Acted as a member of the Selection Committee to review applications for York Regional Forest, 20-year silvicultural plan and 5-year operating plan (1997).
- Acted as a member of the Selection Committee to review applications for NSERC's University Faculty Award at the Faculty of Forestry, University of Toronto (1999).
- Acted as invited participant for the review of methods for significant woodlands evaluation, Toronto and Region Conservation Authority (1999).
- Acted as invited participant for the review of methods for significant woodlands evaluation, The Regional Municipality of Halton (1998).

Research Assistant, Urban Forests Centre, Faculty of Forestry, University of Toronto (Apr.1995 – Sept.1997)

- Developed a computer-based Urban Forest Management System for the City of Thunder Bay (1997).
- Coordinated development of a GIS-based urban forest management program and tree inventory for the St. George Campus of University of Toronto (1995-1997).
- Conducted identification and systematization of urban trees and shrubs for various projects (1995-1997).
- Provided technical support and professional input into the development of the project *"Count Your Trees In"*.
- Developed a street tree management program for the Regional Municipality of York (1996).
- Produced a bibliography of *"Best Management Practices for Urban Forestry"* (1996).
- Assisted projects conducted by the Urban Forests Centre: *"State of Urban Forestry in Canada"* and *"Non-commercial Tree Planting"* (1995-1996).
- Coordinated a project by Kenney, W.A., D. Puric, D. Lamier, E. Fraser, and K. Vitols. 1996. Cool Communities: A Demand-Side Energy Management Demonstration in Southam Ontario. University of Toronto & Canadian Forest Service. [Unpublished]. (1995-1996).
- Conducted tree surveys in the Village of Elora, Ontario and the St. George Campus (1995).
- Designed, developed and managed the Urban Forests Centre databases (1995-1997).

- Organized and managed volunteers, students and field assistant (1995-1997).
- Identified elm species (*Ulmus sp.*) in Lake Shore Park, Toronto (1995).

Conservation Technician, Ministry of Natural Resources, Halton-Peel Region, Maple (Feb.-Apr. 1995-).

- Provided forest ecology and landscape ecology inputs during the initial development of criteria for significant woodland evaluation: Part of a multidisciplinary team that developed guidelines for significant woodland evaluation in the Halton-Peel Region as a demonstration project.
- Invited to advice on the development of criteria for significant woodland evaluation. Ministry of Natural Resources, Maple, ON (1995).

Research Assistant, Bio-energy Research Group and Urban Forests Centre, Faculty of Forestry, University of Toronto (Oct. 1994 – Jan. 1995)

- Performed field measurements and literature review.
- Conducted urban tree identification.

Senior Researcher & Lecturer, Faculty of Forestry, University of Belgrade, Serbia (Sep.1992 – Apr. 1994)

- Studied pollination and fruitification of the Serbian Spruce (*Picea omorika*) as a member of the research team that examined the ecology, morphology, genetics and commercial value of the species (1993).
- Established a herbarium of native and horticultural woody plants in urban areas (1992-1994).
- Conducted identification of woody plants in the University of Belgrade Arboretum (1992-1994).
- Continued research on the morphology and ecology of Austrian Pine (*Pinus nigra*) (1992-1994).
- Contributed to reconstruction and management of the Faculty of Forestry, University of Belgrade Arboretum (1992-1994).
- Assisted with research projects involving vegetation sampling and mapping as part of a four- year national research - “Investigation of Parklands in Urban Ecosystems and their Roles in the Protection and Improvement of the Human Environment”, funded by the Serbian Ministry of Science and Technology, Belgrade (1990-1994).
- Initiated independent research study on the ecology and seed germination of southern Magnolia (*Magnolia grandiflora* L.) in central Serbia (1993).
- Conducted field studies on the street tree populations of Horse Chestnut (*Aesculus hippocastanum*) (1992-1993).
- Lectured dendrology to the Forestry and Landscape Architecture students (1992-1994).
- Managed a committee evaluating student admission tests (1993).
- Evaluated student admission tests (1992-1993).

Junior Researcher & Instructor, Faculty of Forestry, University of Belgrade, Serbia (Sept.1989 –Sept. 1992)

- Conducted independent research on woody vegetation in urban areas and its ecological relationship to natural forest vegetation (1989-1992).
- Examined and described morphological characteristics of Austrian pine (*Pinus nigra*) and Bluegrass (*Festuca spp.*) (1991-1992).
- Examined the morphology of subspecies of Austrian pine (*Pinus nigra*) about their distribution (1991-1992).
- Conducted literature review on dendrology, phytocoenology and forest ecology (1989-1990).
- Taught dendrology to the Landscape Architecture students (1989-1992).
- Monitored the adaptation and acclimatization of non-native woody species in the Faculty of Forestry Arboretum, Belgrade (1989-1992).
- It is collected and prepared native and non-native tree and shrub species for a herbarium collection (April 1989 - August 1992).

Research Assistant, Faculty of Forestry, University of Belgrade (Oct.1987 –Aug. 1988)

- Monitored the adaptation and acclimatization of non-native woody species in the Faculty of Forestry Arboretum, Belgrade (1988-1989).
- Mapped, inventoried and assessed trees in a natural park “Pioneer Park” for the City of Belgrade’s Parks Department (May-August 1988).
- Conducted street tree inventory and tree condition assessment of London Plane (*Platanus x acerifolia*) in Belgrade (June - July 1987).

AWARDS, HONOURS AND SCHOLARSHIPS

- Appreciation in Motion (AIM) Ontario Ministry of Natural Resources and Forestry Award 2018, as a member of the Land Use Carbon Inventory Team, Ontario Ministry of Natural Resources and Forestry (2016-2018).
- Certificate of Appreciation by the Ontario Professional Forestry Association (OPFA), as a Member of the (OPFA) 2015 Annual Conference Organizing Committee (May 18th, 2016).
- Amethyst Award 2016 for outstanding work achievements and excellence in the Ontario Public Service (OPS) and Lake Simcoe Watershed Natural Cover Monitoring.
- Ontario Graduate Scholarship (OGS) for Ph.D. research (2000-2001)
- Edward Elsworth Johnson Forestry Award for Ph.D. research, University of Toronto (Sep 2000)
- EJLB foundation grant for Ph.D. research (1999-2001)
- A grant from the Regional Municipality of York for Ph.D. research (1998-2002)
- NSERC grant for Ph.D. research (1998-2000)
- Canadian Forest Service Graduate Fellowship for Ph.D. research (1998, 1999)
- Graduate Fellowship in Forestry for Ph.D. research, University of Toronto (Sep 1999)
- Faculty of Forestry Award for Poster Presentation, Faculty of Forestry, University of Toronto (Home Coming Event, Apr 8-9, 1999)
- Edward Elsworth Johnson Forestry Award for Ph.D. research, University of Toronto (Sep 1997)
- Graduate Fellowship in Forestry for Ph.D. research, University of Toronto (1997-1998)
- Faculty of Forestry Graduate Fellowship, University of Belgrade (1989-1991)

PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS

- USA and International Association for Landscape Ecology
- Ecological Society of America
- Society for Ecological Restoration
- Society for Conservation Biology
- The International Association for Vegetation Science (IAVS)
- The International Society for Ecological Modelling (ISEM)
- The Society for Conservation GIS (SCGIS)
- Canadian Urban Forest Network (CUFN)
- Network in Canadian History and Environment (NiCHE)
- Canadian Institute of Forestry
- The Ontario Invasive Plant Council (OIPC)
- The Ontario Urban Forest Council (OUFC)
- Forest History Society of Ontario
- Green Infrastructure Ontario

CERTIFICATION

- Certificate of Attendance GuidosToolbox workshop 2016 US-IALE Annual meeting Landscape Change, April 3, 2016, Asheville, NC, USA.
- Certified Marxan Software Instructor, University of Queensland, Australia. One of the first Marxan instructors in North America (Ottawa, 2010).

PUBLICATIONS

Sampling Protocols and Manuals

1. Kenney, W.A. and **Puric-Mladenovic, D.** The Neighbourwoods® Tree Inventory and Monitoring Protocol for Community Based Urban Forest Stewardship (revised version in preparation). Faculty of Forestry, University of Toronto. 86 pp.
2. **Puric-Mladenovic, D.** and Kenney, W.A. 2015. Vegetation Sampling Protocol (VSP). The VSP Field Inventory and Monitoring Pocket Guide. Version 1 (May 2015). Ontario Ministry of Natural Resources and Forestry, Science and Research Branch, and the Faculty of Forestry, University of Toronto. 102 pp.
3. **Puric-Mladenovic, D.** and Bradley, D. 2012. The Vegetation Sampling Protocol. Version 2.5. Ontario Ministry of Natural Resources, Southern Science and Information Section. [unpublished].
4. **Puric-Mladenovic, D.**, Bradley, D. and MacIntosh, A. 2012. A plot based Vegetation Sampling Protocol (VSP) for southern Ontario. Southern Science and Information Section, Ontario Ministry of Natural Resources, Peterborough, Ontario. [unpublished].
5. **Puric-Mladenovic, D.** and Bradley, D. 2009. The Vegetation Sampling Protocol (VSP). Information Management and Spatial Analysis Unit, Ontario Ministry of Natural Resources, Peterborough. Ontario. 151 pp.
6. Kenney, W.A. and **Puric-Mladenovic, D.** 1998. Tree Inventory Procedure for Urban Forest Management System - User's Manual. Faculty of Forestry, University of Toronto. 50pp.
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FEATURED PAPERS IN PROCEEDINGS

(For full list of presentations, please refer to "Presentations - Conferences, Symposiums and Forums")

1. Toledo-Garibaldi, M. and **Puric-Mladenovic, D.** 2018. Presentation of the Project "Conservación y planeación del bosque urbano de la Ciudad de México" (Conservation and planning of the urban forest of Mexico City) for the C40 Women for Climate Program and Mexico City's Ministry of Environment. January 24, 2018, Mexico City, Mexico.
2. Toledo-Garibaldi, M. and **Puric-Mladenovic, D.** 2018. Conservation and planning of the urban forest of Mexico City [Seminar Presentation]. Mexico City, CONABIO (National Commission for the Use and Knowledge of Biodiversity). February 12, 2018.
3. **Puric-Mladenovic, D.** and Shapiera, M. 2018. [Baseline condition of natural cover in the Lake Simcoe Watershed](#). International Association for Great Lakes Research (IAGLR) 61st Annual Conference on Great Lakes Research – "Great Science for Tomorrow's Solutions", June 18-20, 2018, Toronto, Ontario.
4. Toledo-Garibaldi, M. and **Puric-Mladenovic, D.** 2017. "Análisis de los bosques urbanos de la Ciudad de México: aplicación del concepto de biotopos urbanos" (Analysis of the Urban Forest of Mexico City: Applying the Concept of Urban Biotopes). VI Congreso Mexicano de Ecología. IV Congress of Ecology. 2017, León, Mexico.

5. Gaudon, J., **Puric-Mladenovic, D.**, Smith, S. 2017. Stand factors affecting the abundance and impact of North American parasitoids attacking the emerald ash borer across southern Ontario. 2017 Joint Annual Meeting Entomological Society of Canada and Entomological Society of Manitoba. Winnipeg, Manitoba, October 22-25, 2017.
6. **Puric-Mladenovic, D.** 2016. The multifunctional role of forests in Southern Ontario: VSP inventory and monitoring. Proceedings OPFA.
7. **Puric-Mladenovic, D.** 2016. [Defining a composite index of vegetation quality](#). The U.S. Regional Association of the International Association for Landscape Ecology (US-IALE) 2016 Annual Meeting - "Landscape Change", April 3-7, 2016, Asheville, North Carolina.
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9. Pulfer, T.L., Hazzard, L., **Puric-Mladenovic, D.** 2014. Understanding Reptile and Amphibian Trends in Relation to Changes in Wetlands: A Pilot in the Essex Region Watershed. p.85-91. Great Lakes Wetlands Day. Proceedings, February 4, 2014, Toronto, Ontario.
10. **Puric-Mladenovic, D.** and Bradley, D. 2012. Integrating invasive plant inventory into VSP protocol and VSP field campaigns. Terrestrial Invasive Plant Species Conference: Understanding Plant Invasions in a Changing World. August 20-22, 2012, Sault Ste. Marie, Ontario, Canada
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13. **Puric-Mladenovic, D.** and Kenney, W.A. 2001. A model of potential natural vegetation and gap-analysis for forest planning and management in settled landscapes. Proceedings of the conference "Woods Talk: Community Action to Conserve Ontario's Woodlands", 14-17 June 2001, York University, Toronto. Federation of Ontario Naturalists. Don Mills, ON.
14. **Puric-Mladenovic, D.** and Kenney, W.A. 1997. Potential natural vegetation as a guide to urban forest planning and management. pp. 320-325 In Jonker, P. M. Caring for Home Place: Protected Areas and Landscape Ecology, Proceedings of the Conference Held September 29 to October 2, 1996, Regina, Saskatchewan. Saskatoon, Sask.: University Extension Press, University of Saskatchewan, 1997. Print.
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16. Gajic, M., **Puric-Mladenovic, D.** and Vilotic, D. 1994. Determination of the origin of Austrian Pine (*Pinus nigra* Arn.) used in afforestation based on anatomical structure of needles. p. 283-288 In P. Marinkovic, S. Vicicevic, B. Stojkov and M. Vujic, eds. Proceedings of the National Conference "The Deliblato Sand - Proceedings VI", October 28-30 1993, Deliblato Sand. Serbia Forest, Belgrade. 288 pp.
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Posters Presentations, Research and Technical Posters

1. Baird, K.M. 2018. *Floristic Quality Assessment for natural areas management in Lake Simcoe watershed* [Poster Presentation]. The 25th Latornell Conservation Symposium - "Lands to Great Lakes - Relationship Status: It's Complicated", November 14, 2018, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
2. **Puric-Mladenovic, D.** and Baird, K.M. 2016. [Woodland Monitoring in Guelph, Ontario](#) [Poster]. Ontario Ministry of Natural Resources and Forestry, City of Guelph and Faculty of Forestry, University of Toronto.
3. Martin, P. 2016. *Management Applications of Vegetation Composition as Monitoring Criteria* [Poster Presentation]. The 23rd Latornell Conservation Symposium - "Green Infrastructure: Collaborating with Nature", November 15-17, 2016, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
4. **Puric-Mladenovic, D.** 2015. *Co-benefits of Natural Cover Monitoring in the Lake Simcoe Watershed to Climate Change Mitigation and Carbon Offsets* [Poster]. The third biennial Lake Simcoe Science Forum held at the 22nd Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario.
5. **Puric-Mladenovic, D.**, Gee, K., Hernandez, P., Stanley, E., Pond, B., Martin, A. 2015. *Natural Cover Monitoring in the Lake Simcoe Watershed* [Poster]. The third biennial Lake Simcoe Science Forum held at the 22nd Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario.
6. **Puric-Mladenovic, D.** 2015. *Natural Cover Monitoring in the Lake Simcoe Watershed* [Poster]. Ontario Ministry of Natural Resources and Forestry - Fall Research Scientists Meeting. September 22-23, 2015, Kempenfelt Conference Centre, Innisfil, Ontario.
7. **Puric-Mladenovic, D.** 2015. *Natural Cover Monitoring in the Lake Simcoe Watershed* [Poster]. Ontario Ministry of Natural Resources and Forestry - Conference "Towards Landscape-scale Management in Ontario", February 3, 2015, Toronto, Ontario.
8. Dschankilic, C. 2015. [Natural Heritage System Planning: Is There More to Learn?](#) [Poster Presentation]. The 22nd Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
9. Bowley, E. 2015. *Forest regeneration in Rouge National Urban Park (RNUP): What the future may hold?* [Poster Presentation]. The 22nd Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
10. Perry, S. 2015. *Understanding the importance of including dead wood measurements in forest management plans: A case study of the Rouge National Urban Park* [Poster Presentation]. The 22nd Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario. (Supervisor: Dr. Danijela Puric-Mladenovic)
11. Poulat, R. 2014. [Carbon Incentives to Conserve Southern Ontario Forests](#) [Poster Presentation]. The 21st Latornell Conservation Symposium - "Growth & Transformation", November 18-20, 2014, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)

12. **Puric-Mladenovic, D.** 2013. *Approaches to Landowner Contact and Successful Partnerships in the Lake Simcoe Region* [Poster]. The 20th Latonnell Conservation Symposium - "Resilience: The Ability to Adapt to Change", November 20-22, 2013, Alliston, Ontario.
13. Martin, A., **Puric-Mladenovic, D.** and Hernandez, P. 2013. *Natural Vegetative Cover Monitoring in the Lake Simcoe watershed* [Poster]. The 20th Latonnell Conservation Symposium - "Resilience: The Ability to Adapt to Change", November 20-22, 2013, Alliston, Ontario.
14. **Puric-Mladenovic, D.** and Spyron, S. 2013. *Approaches to Landowner Contact and Successful Partnerships in the Lake Simcoe Region* [Poster]. The second biennial Lake Simcoe Science Forum, Ontario Ministry of Natural Resources, October 29-30, 2013. Kempenfelt Conference Centre, Innisfil, Ontario.
15. **Puric-Mladenovic, D.** 2013. *Forest Re-Inventory in the Niagara Escarpment Biosphere Reserve* [Poster]. The 10th Leading Edge Conference of the Niagara Escarpment Commission, October 24, 2013, Country Heritage Park, Milton, Ontario.
16. Parkes, S. 2012. [Vegetation Criteria and Indicators to Assess Forests within the Niagara Escarpment Plan](#) [Poster Presentation]. The 19th Annual A.D. Latonnell Conservation Symposium - "Prescription for a Healthy Environment", November 14-16, 2012, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
17. Stanger, N. 2012. [Vegetation Gap Analysis for the Region of Peel](#) [Poster Presentation]. The 19th Annual A.D. Latonnell Conservation Symposium - "Prescription for a Healthy Environment", November 14-16, 2012, Alliston, Ontario. (Supervisor: **D. Puric-Mladenovic**)
18. Lewandowski, M. 2011. *Vegetation Sampling Protocol (VSP)* [Poster]. Faculty of Forestry, University of Toronto, and Ministry of Natural Resources. (Supervisor: **D. Puric-Mladenovic**)
19. MacIntosh, A. and **Puric-Mladenovic, D.** 2008. *An Assessment of Vegetation Mapping to Support Species at Risk (SAR) Recovery Planning in Southern Ontario* [Poster]. Faculty of Forestry, University of Toronto, and Ministry of Natural Resources.
20. **Puric-Mladenovic, D.** and Kenney, W.A. 2001. *A Model of Potential Natural Vegetation and Gap-analysis for Forest Planning and Management in Settled Landscapes* [Poster Presentation]. Conference of the Federation of Ontario Naturalists, Woods Talk: Community Action to Conserve Ontario's Woodlands, June 14-17, 2001, York University, Toronto, Ontario.
21. **Puric-Mladenovic, D.** 1999. *Analysis of Woodland Patterns in Urban and Urban Rural Landscapes* [Poster]. Homecoming Event, Faculty of Forestry, University of Toronto, April 8-9, 1999, Toronto, Ontario.
22. **Puric-Mladenovic, D.** 1997. *Woodland Patterns in the Region of York* [Poster Presentation]. Homecoming Event, Faculty of Forestry, University of Toronto, November 7, 1997, Toronto, Ontario.
23. **Puric-Mladenovic, D.** 1993. *Evergreen Magnolia (Magnolia grandiflora) in Belgrade* [Poster], Faculty of Forestry, University of Belgrade, December 6, 1993, Belgrade, Serbia.
24. **Puric-Mladenovic, D.** 1993. *Landscape and Forest Trees - Ornament and Food* [Poster], Faculty of Forestry, University of Belgrade, December 6, 1993, Belgrade, Serbia.

NEWSLETTER ARTICLES AND FACT SHEETS

1. **Puric-Mladenovic, D.** 2017. [Natural cover monitoring](#). In the Professional Forester - Ontario Professional Foresters Association, Issue 227: The OPFA at 60 – Foresters in Changing Climates Conference Recap Continued, September 2017, Ontario, Canada.
2. **Puric-Mladenovic, D.** 2016. [Natural cover monitoring for the Lake Simcoe watershed: Supporting the Lake Simcoe Protection Plan \(LSPP\)](#) [Fact Sheet], Natural Heritage Information Centre (NHIC), Science and Research Branch, Ministry of Natural Resources and Forestry, Peterborough, ON.
3. Bradley, D and **Puric-Mladenovic, D.** 2015. [Vegetation Sampling Protocol – from paper forms to a digital database](#), Natural Heritage Information Centre Newsletter 2015, Vol. 20, Science and Research Branch, Natural Resources Information Section, Ministry of Natural Resources and Forestry, Peterborough, ON.

4. **Puric-Mladenovic, D.** 2014. [Using the Vegetation Sampling Protocol \(VSP\) to monitor natural cover in the Lake Simcoe watershed](#). Natural Heritage Information Centre Newsletter 2014, Vol. 19, pp. 2-3, Science and Research Branch, Biodiversity and Monitoring Section, Ontario Ministry of Natural Resources, Peterborough, ON. ISSN 1201-7442.

PAPERS IN PREPARATION

1. **Puric-Mladenovic, D.** Landscape Planning and management in Southern Ontario. (In preparation)
2. **Puric-Mladenovic, D.**, Morrison, H., Strobl, S. Allometric formulas and methods for biomass estimates using Vegetation Sampling Protocol data. Southern Science and Information Section, Ontario Ministry of Natural Resources and Forestry.
3. **Puric-Mladenovic, D.** Predictive vegetation modelling and gap analysis as tools for forest conservation and management in settled landscapes.
4. Kenney, W.A. and **Puric-Mladenovic, D.** Neighbourwoods – a tree inventory procedure for urban forest planning and management
5. **Puric-Mladenovic, D.** Csillag, F., Kenney, W.A. A method of mapping pre-settlement surveyors' records for vegetation modelling.
6. **Puric-Mladenovic, D.** and Kenney, W.A. Modeling potential natural vegetation using historical pre-settlement surveyors' records.
7. **Puric-Mladenovic, D.** Application of vegetation maps to landscape planning and management.

REVIEWS

- 2019 Reviewed the journal article by Rossi, F., Breidenbach, J, Puliti, S., Astrup, R. and Talbot, B. [Assessing harvested sites in a forested boreal mountain catchment through Global Forest Watch](#). Remote Sensing, doi.org/10.3390/rs11050543.
- 2018 Reviewed [The Canadian Urban Forest Strategy 2019-2024, Tree Canada](#).
- 2017-pres. Member of the Board of Reviewers for the international scientific journal European Countryside, SCIENDO, owned by Mendel University in Brno and published by De Gruyter Open Ltd.
- 2013-18 Review and consultation for the Canadian Urban Forest Strategy (2013-2018), Tree Canada, as Lead of the Working Group 4: Techniques and Technology for Urban Forest Planning and Management, Canadian Urban Forest Network.
- 2018 Reviewer of *Diversity*, MDPI (Basel, Switzerland). Reviewed the journal article by Batisteli, A.F., Tanaka, M.O., Souza, A.L. 2018. [Bird Functional Traits Respond to Forest Structure in Riparian Areas Undergoing Active Restoration](#). Diversity 2018, 10, 90. doi: 10.3390/d10030090.
- 2018 Reviewed the kids' book "A Forest in the City" by Andrea Curtis.
- 2017 Reviewed the journal article by Canetti, A., Garrastazu, M.C., de Mattos, P.P., Braz, E.M., Netto, S.P. 2017. Understanding multi-temporal urban forest cover using high resolution images, Urban Forestry & Urban Greening (Elsevier), Vol. 29, 2018, Pages 106-112, ISSN 1618-8667, doi: 10.1016/j.ufug.2017.10.020.
- 2017 Reviewed the technical report by Tu, C., Milner, G., Lawrie, D., Shrestha, N., Hazen, S. 2017. [Natural systems vulnerability to climate change in Peel Region](#). Technical Report. Toronto, Ontario: Toronto and Region Conservation Authority and Ontario Climate Consortium Secretariat.
- 2017 Reviewer of *Diversity*, MDPI (Basel, Switzerland). Reviewed the journal article by Batisteli, A.F., Tanaka, M.O., Souza, A.L. 2018. [Bird Functional Traits Respond to Forest Structure in Riparian Areas Undergoing Active Restoration](#). Diversity 2018, 10, 90. doi: 10.3390/d10030090.
- 2015-16 Reviewer of Forests, Forests Editorial Office, MDPI AG, St. Alban-Anlage 66, 4052 Basel, Switzerland.

- 2016 Key Finding Summary Reviewer for ESTR Secretariat. 2016. [Mixedwood Plains Ecozone+ evidence for key finding summary](#).. Canadian biodiversity: ecosystem status and trends 2010, Evidence for Key Findings Summary Report No. 7. Canadian Councils of Resource Ministers. Ottawa, ON. x + 145 p.
- 2016 Reviewed the Best Management Practices guide - Warne, A. 2016. [Purple Loosestrife \(Lythrum salicaria\) Best Management Practices in Ontario](#). Ontario Invasive Plant Council, Peterborough, Ontario.
- 2016 Reviewed the Best Management Practices guide - Warne, A. 2016. [Black locust \(Robinia pseudoacacia L.\) Best Management Practices in Ontario](#). Ontario Invasive Plant Council, Peterborough, Ontario.
- 2016 Reviewed the journal article by Shi, H., Wen, Z., Paull, D., Jiao, F. 2016. . [Distribution of Natural and Planted Forests in the Yanhe River Catchment: Have We Planted Trees on the Right Sites?](#) Forests. 7(11), 258. doi:10.3390/f7110258.
- 2016 Reviewed the journal article by Karrow, T. and Suffling, R. 2016. [Pre-settlement vegetation maps generated using Ontario early survey: An online database providing enhanced map access for researchers](#). The Canadian Geographer / Le Géographe canadien, 60: 135–148. doi:10.1111/cag.12251.
- 2016 Proposals Review for The Ministry of Education, Science and Technological Development of the Republic of Serbia (2010 and 2016).
- 2015 Reviewed the Tree Canada's survey "Strategic Direction for Tree Canada 2015: The Direction of the Organization and its Mission", as part of the process to review and renew the strategic directions and the Canadian Urban Forest Strategy.
- 2015 Reviewed the technical guide: Sherman, Kellie. 2015. [Creating an Invasive Plant Management Strategy: A Framework for Ontario Municipalities](#). Ontario Invasive Plant Council. Peterborough, ON. 12pp.
- 2015 Contributed to: Murray, G. 2015. *Minister's Five Year Report on Lake Simcoe: To protect and restore the ecological health of the Lake Simcoe watershed*. Ministry of the Environment and Climate Change.
- 2014 Reviewed the book chapter: Chapter 13: Landscape Ecology by Roger Suffling, in Ecology: A Canadian Context, 2nd Edition. By Freedman, B., Hutchings, J., Gwynne, D., Smol, J., Suffling, R., Turkington, R., Walker, R. and Bazely, D. Published by Nelson College Indigenous, April 21, 2014, ISBN-10: 0176510141 / ISBN-13: 978-0176510145.
- 2014 Contributed to the Climate Change Research Report by Douglas, A.G., Lemieux, C.J., Nielsen, G., Gray, P.A., Anderson, V., MacRitchie, S. 2014. [Responding to the Effects of Climate Change in the Lake Simcoe Watershed: A Pilot Study to Inform Development of an Adaptation Strategy on a Watershed Basis CCRR 37](#), Science and Information Resources Division. Ontario Ministry of Natural Resources, Peterborough, Ontario, ISBN: 978-1-4606-3554-4.
- 2014 Reviewed the Climate Change Research Report by Furrer, M., Gillis, M., Mussakowski, R., Cowie, T. and Veer, T. 2014. Are Ontario Ministry of Natural Resources' Monitoring Programs supporting informed decision making about Climate Change? In [Monitoring Programs Sponsored by the Ontario Ministry of Natural Resources and their Relevance to Climate Change CCRR 38](#), Science and Information Resources Division. Ontario Ministry of Natural Resources, Peterborough, Ontario, ISBN: 978-1-4606-3642-8.
- 2014 Reviewed the M.A. thesis: Davidson, J. L. (2014). [An Ecological Analysis of Late Woodland Settlement Patterns in the Rouge River Watershed](#), Southern Ontario. Trent University, Peterborough, Ontario, Canada.
- 2011-14 Evaluation of scientific projects in Serbia 2011-2014 for the Ministry for Science and Technological Development, Belgrade. Serbia. Project: [Establishment of Wood Plantations Intended for Afforestation of Serbia](#) by Dr. Dragica Vilotić et al.

- 2013 Reviewed the Monograph: [*How Much Habitat is Enough?*](#) Third Edition. Canada. Environment Canada. Canadian Wildlife Service, Toronto, Ontario. 127p. ISBN: 978-1-100-21922-6.
- 2012 Reviewed the book: Cirillo, C. and Podolsky, L., [*Health, Prosperity and Sustainability: The Case for Green Infrastructure in Ontario*](#), Toronto, Ont.: Green Infrastructure Ontario Coalition and Ecojustice, 2012.
- 2011 Reviewed the Land Stewardship: Achievements in Stewardship since the Adoption of the Oak Ridges Moraine Conservation Plan. 2011. Oak Ridges Moraine Foundation (ORMF). King City, Ontario.
- 2011 Reviewed the journal article by Stanfield, L.W. and Jackson, D.A. 2011. [*Understanding the Factors That Influence Headwater Stream Flows in Response to Storm Events*](#). Journal of the American Water Resources Association (JAWRA) 1-22. doi:10.1111/j.1752-1688.2010.00518.
- 2010 Reviewed the journal article by Patterson, J.E.H. and Malcolm, J.R. 2010. [*Landscape structure and local habitat characteristics as correlates of Glaucomys sabrinus and Tamiasciurus hudsonicus occurrence*](#), Journal of Mammalogy, Volume 91, Issue 3, 16 June 2010, Pages 642–653, doi:10.1644/09-MAMM-A-118.1.
- 2010 Reviewed the report “Fostering collaboration among stakeholders in sustainable landscape planning in southern Ontario: A discussion paper for the Stewardship Network of Ontario”, prepared by North-South Environmental Inc. 2010. Ministry of Natural Resources, Peterborough, Ontario, May 5, 2010.
- 2010 Evaluation of the national Serbian project proposals for the Ministry of Education and Science of the Republic of Serbia, July-December 2010.
- 2009 Reviewed the Estimation of ecosystem service values for Southern Ontario, by Troy, A., and Bagstad, K. (2009. Prepared for the Ontario Ministry of Natural Resources. Spatial Informatics Group: Pleasanton, California.
- 2009 Peer Reviewer of the research proposal for The Social Sciences and Humanities Research Council of Canada (SSHRC).
- 2009 Reviewed and contribution to the OMNR southern region Natural Heritage Framework (Internal document) Peterborough, ON.
- 2008 Reviewed the proposals to estimate ecosystem service for Southern Ontario Ministry of Natural Resources.
- 2008 Reviewed the technical guide “[*Data Mining Desktop Survival Guide – Data Mining with Rattle and R Guide*](#)”, Togaware Series of Open Source Desktop Survival Guides by Williams, G., 2008, and tested the data mining tool Rattle. ISBN 0-9757109-2-3.
- 2006 Reviewed the technical report “[*The Land Between Collaborative*](#)” by Couchiching Conservancy & Kawartha Heritage Conservancy, Berman, L.
- 2005 Reviewed the journal article by Hilts, S. and Mitchell, P. 2005. [*Caring for your land: A stewardship handbook for Oak Ridges Moraine landowners*](#). Centre for Land and Water Stewardship, University of Guelph.
- 2004 Reviewed the book by Vilotić, D.M., Tucović, A., **Puric-Mladenovic, D.**, Isajev, V. (ed.) 2004. Ginkgo biloba L.: Live fossil, Challenge, Ornament, Medicine. Faculty of Forestry, University of Belgrade, 109 pp., ISBN 86-7299-101-X.
- 2003 Reviewed and tested the Federation of Ontario Naturalist’s methodology for Significant Woodlands Strategy Guidelines: Level 2, GIS-based, assessment of woodlands.
- 2003 Reviewed the Toronto and Region Conservation Authority’s methodology for Designing a Target Terrestrial Natural Heritage System.

Presentations - Conferences, Symposiums and Forums

1. Vroom, F. 2018. National urban forest trends: Study of urban forest carbon stocks and management by municipalities. The International Urban Forestry Congress (IUFC): The Urban

- Forest – Diverse in Nature, September 30 – October 3, 2018, Vancouver, British Columbia [Contributed **Puric-Mladenovic, D.**].
2. Baird, K.M., and **Puric-Mladenovic, D.** 2018. Floristic Quality Assessment for Natural Areas Management in Southern Ontario [PowerPoint Presentation]. The 4th North American Congress for Conservation Biology – “Conservation Science, Policy and Practice: Connecting the Urban to the Wild”, Society For Conservation Biology North America (SCBNA), July 21-26, 2018, Toronto, Ontario.
 3. **Puric-Mladenovic, D.** and Shapiera, M. 2018. [Baseline condition of natural cover in the Lake Simcoe Watershed](#) [Presentation]. International Association for Great Lakes Research (IAGLR) 61st Annual Conference on Great Lakes Research – “Great Science for Tomorrow's Solutions”, June 18-20, 2018, Toronto, Ontario.
 4. Baird, K.M., and **Puric-Mladenovic, D.** 2018. [Floristic Quality Assessment for natural areas monitoring in Lake Simcoe watershed](#) [Presentation]. International Association for Great Lakes Research (IAGLR) 61st Annual Conference on Great Lakes Research – “Great Science for Tomorrow's Solutions”, June 18-20, 2018, Toronto, Ontario.
 5. Toledo-Garibaldi, M. and **Puric-Mladenovic, D.** 2018. Conservation and Planning of the Urban Forest of Mexico City (“Conservación y planeación del bosque urbano de la Ciudad de México”). Presentation for the Program “Women for Climate, C40 Cities” and Mexico City’s Ministry of Environment. January 24, 2018, Mexico City, Mexico
 6. Toledo-Garibaldi, M. and **Puric-Mladenovic, D.** 2018. Conservation and Planning of the Urban Forest of Mexico City. National Commission for the Use and Knowledge of Biodiversity. February 12, 2018, Mexico City, CONABIO, Mexico.
 7. Toledo-Garibaldi, M and **Puric-Mladenovic, D.** 2017. “Análisis de los bosques urbanos de la Ciudad de México: aplicación del concepto de biotopos urbanos”. VI Congreso Mexicano de Ecología. León, México, 2017. (“Analysis of the Urban Forest of Mexico City: Applying the Concept of Urban Biotopes”. IV Congress of Ecology. León, México. 2017).
 8. Gaudon, J., **Puric-Mladenovic, D.**, Smith, 2017. Stand Factors Affecting the Abundance and Impact of North American Parasitoids Attacking the Emerald Ash Borer across Southern Ontario. 2017 Joint Annual Meeting Entomological Society of Canada and Entomological Society of Manitoba, October 22-25, 2017, Fairmont Hotel, Winnipeg, Manitoba.
 9. **Puric-Mladenovic, D.** 2017. [Monitoring and measuring forests in southern Ontario: why does it matter?](#) Ontario Professional Foresters Association 60th OPFA Annual Meeting - “The OPFA at 60: Foresters in Changing Climates”, Delta Hotel, May 18, 2017, Guelph, Ontario.
 10. **Puric-Mladenovic, D.** 2017. Southern Ontario Woodlands: What do we know about them, what do we expect from them, what are the risks, their roll in land use planning. 2017 Ontario Woodlot Association Woodlot Conference & Tours (AGM) - “Forests in an Urban Setting”, Newmarket Community Centre, 200 Doug Duncan Drive, April 29, 2017, Newmarket, Ontario.
 11. **Puric-Mladenovic, D.** and Aray, Y.H. 2016. Re-Inventory of the Niagara Escarpment Biosphere Reserve [PowerPoint Presentation]. The 23rd Latornell Conservation Symposium - “Green Infrastructure: Collaborating with Nature”, November 15-17, 2016, Alliston, Ontario.
 12. **Puric-Mladenovic, D.** 2016. Integrating Invasive Species Management in Forest and Landscape Conservation [PowerPoint Presentation]. The 2016 Ontario Invasive Plant Council (OIPC) Annual General Meeting and Invasive Plant Conference & Carolinian Canada Ecosystem Recovery Forum - “Restoring Resilience: Big Impacts across Small Spaces”, October 25-26, 2016, Toronto Botanical Gardens, North York, Ontario.
 13. **Puric-Mladenovic, D.** 2016. American chestnut: historical distribution and future opportunities [PowerPoint Presentation]. The Canadian Chestnut Council 2016 Annual General Meeting - “American chestnut: A Symposium 2016”, October 15, 2016, Tim Horton Children’s Foundation Onondaga Farm, St. George, Ontario.

14. Muckle, S.B. and **Puric-Mladenovic, D.** 2016. Mapping Important Amphibian Habitat using Standardized Vegetation Sampling [PowerPoint Presentation]. The 3rd Annual Meeting of the Canadian Herpetological Society, September 16-19, 2016, Toronto Zoo, Toronto, Ontario.
15. **Puric-Mladenovic, D.** and Pond, B. 2016. Assessing Natural Cover Quality in the Lake Simcoe Watershed [PowerPoint Presentation]. In: **Puric-Mladenovic, D.**, Crossman, J. and Young, J. 2016. (Co-chairs) Integrated Management and Monitoring of Lake Simcoe and its Watershed. International Association for Great Lakes Research (IAGLR) 59th Annual Conference on Great Lakes Research - "Great Lakes Solutions: Integrating Across Disciplines and Scales", June 6-10, Guelph, Ontario.
16. **Puric-Mladenovic, D.** 2016. Defining a Composite Index of Vegetation Quality [PowerPoint Presentation]. The U.S. Regional Association of the International Association for Landscape Ecology (US-IALE) 2016 Annual Meeting - "Landscape Change", April 3-7, 2016, Asheville, North Carolina.
17. **Puric-Mladenovic, D.** 2016. Our Forests: Benefits and Threats - Changing our ways of forest and landscape management [PowerPoint Presentation]. 2016 Winter Speaker Series, Hastings Stewardship Council, February 11, 2016, Madoc, Ontario.
18. **Puric-Mladenovic, D.** 2015. Natural Heritage and Terrestrial Monitoring – Why does it matter? [PowerPoint Presentation]. The 22nd A.D. Latornell Conservation Symposium - "Weathering Change", November 17-19, 2015, Alliston, Ontario.
19. Elliott, K. and **Puric-Mladenovic, D.** 2015. Greenspace in Ontario – Urban, Rural and Everything in Between: More than just percent forest cover? [Panel Discussion]. Ontario Biodiversity Summit 2015: Enhance Resilience - The Big Picture: Bridging the Urban/Rural Divide., May 19-22, 2015, Niagara Falls, Ontario.
20. Kenney, W. A. and **Puric-Mladenovic, D.** 2014. Community Engagement in Urban Forest Stewardship: Neighbourwoods© Approach [PowerPoint Presentation]. Presented at The 11th Canadian Urban Forest Conference, Urban Forests by Design, September 30-October 2, 2014, Victoria, BC.
21. Nielsen, G. and **Puric-Mladenovic, D.** 2014. Natural Heritage Systems (NHS) and Forests as Climate Adaptation Tools [PowerPoint Presentation]. Carolinian Canada Ecosystem Recovery Forum 2014 - "The Big Picture After 15 Years – Revisioning the Vision", October 29, 2014, Royal Botanical Gardens, Burlington, Ontario.
22. **Puric-Mladenovic, D.**, Gee, K., Martin, A., Hernandez, P. 2014. Terrestrial monitoring in the Lake Simcoe Watershed [PowerPoint Presentation]. International Association for Great Lakes Research (IAGLR) 57th Annual Conference on Great Lakes Research – "Ecosystem in Transition", May 26-30, 2014, Hamilton, Ontario.
23. Pulfer, T.L., Hazzard, L., **Puric-Mladenovic, D.** 2014. Understanding Reptile and Amphibian Trends in Relation to Changes in Wetlands: A Pilot in the Essex Region Watershed [PowerPoint Presentation]. 2014 Great Lakes Wetlands Day, The Great Lakes Wetlands Conservation Action Plan (GLWCAP), February 4, 2014 Toronto, Ontario.
24. **Puric-Mladenovic, D.** 2013. Forests in our Settled Landscapes of Ontario [PowerPoint Presentation]. The 24th Annual Trenton Woodlot Conference, Hastings Stewardship Council, November 22, 2013, Trenton, Ontario.
25. **Puric-Mladenovic, D.** 2013. Vegetation Sampling Protocol: Landscape Inventory and Monitoring Applications [PowerPoint Presentation]. Carolinian Canada Ecosystem Recovery Forum 2013 - "Tracking the Big Picture", November 5, 2013, Royal Botanical Gardens, Burlington, Ontario.
26. **Puric-Mladenovic, D.** and Hernandez, P. 2013. Fragmentation of Natural Cover within the Lake Simcoe Watershed [Presentation]. The second biennial Lake Simcoe Science Forum, Ontario Ministry of Natural Resources, October 29-30, 2013, Kempenfelt Conference Centre, Barrie, Ontario.

27. Martin, A., **Puric-Mladenovic, D.**, Hernadez, P. 2013. Terrestrial Vegetation Monitoring in the Lake Simcoe Watershed: Analyzing and Designing a Vegetation Sampling Protocol Plot Network [PowerPoint Presentation]. The second biennial Lake Simcoe Science Forum, Ontario Ministry of Natural Resources, October 29-30, 2013, Kempenfelt Conference Centre, Barrie, Ontario.
28. **Puric-Mladenovic, D.** 2013. Understanding the Benefits of Urban Forests in Southern Ontario [PowerPoint Presentation]. Grey to Green Conference: A Conference on the Economics of Green Infrastructure, May 21 – 22, 2013, Toronto, Ontario.
29. **Puric-Mladenovic, D.** and Kenney, W.A. 2013. Urban Forest and Human Health [PowerPoint Presentation]. The Ontario Professional Forestry Association, Annual General Conference: Our Working Forest. April 10-12, 2013, Ottawa, Ontario.
30. **Puric-Mladenovic, D.** 2012. Vegetation Inventory - Why we need to go back to the basics? [PowerPoint Presentation]. The 19th Latornell Conservation Symposium "Prescription for a Healthy Environment", November 14-16, 2012, 1 pp. (Abstract), Alliston, Ontario.
31. Buck, J., **Puric-Mladenovic, D.**, Bradley, D. 2012. Making Invasive Species Inventory Useful [PowerPoint Presentation]. The 19th Latornell Conservation Symposium "Prescription for a Healthy Environment", November 14-16, 2012, Alliston, Ontario.
32. **Puric-Mladenovic, D.** and Bradley, D. 2012. Integrating Invasive Plant Inventory into VSP Protocol and VSP Field Campaigns [PowerPoint Presentation], The Terrestrial Invasive Plant Species Conference (TIPS) – "Understanding Plant Invasions in a Changing World", conference organized by Ontario Ministry of Natural Resources (OMNR), Invasive Species Research Institute (ISRI), Ontario Invasive Plant Council (OIPC) and the Ontario Federation of Anglers and Hunters (OFAH), and funded by the Invasive Species Centre (ISC), August 20-22, 2012, Sault Ste. Marie, Ontario.
33. **Puric-Mladenovic, D.** and Gee, K. 2012. A Vision for Terrestrial Vegetation Inventory and Monitoring for the Lake Simcoe Watershed. International Association for Great Lakes Research (IAGLR) 55th Annual Conference on Great Lakes Research - "From Greatest Lakes flow mighty Rivers", May 14 - 18, 2012, Cornwall, Ontario.
34. **Puric-Mladenovic, D.** 2011. Natural Heritage Systems (NHS): Science or science fiction? The 18th Latornell Conservation Symposium "Water - the Future of the Source ". November 16-18, 2011, 1 pp (Abstract), Alliston, Ontario.
35. Hayashi, K., Malcolm, J.R., Kramm, D., **Puric-Mladenovic, D.** and Shi, H. 2011. Canada Climate-induced Tree Migration in Southern Ontario: Pathways and Source Populations. The 96th Ecological Society of America's History and Records (ESA) Annual Meeting, August 7- 12, 2011, Austin, Texas.
36. **Puric-Mladenovic, D.** 2011. An Opportunity for Vegetation Inventory and Monitoring in the Lake Simcoe Basin. The first biennial Lake Simcoe Protection Plan Science Forum: Science at Work. May 26-27, 2011, Kempenfelt Conference Centre, Innisfil, Ontario.
37. Furer, M., Gleeson, J., Kilgour, B., MacIntosh, A., Mussakowski, R., **Puric-Mladenovic, D.**, Nielsen, G., Stanfield, L. and Strobl, S. 2011. Developing an Integrated Climate Change Monitoring Program for the Lake Simcoe basin (Facilitated Session). The first biennial Lake Simcoe Protection Plan Science Forum: Science at Work. May 26-27, 2011, Kempenfelt Conference Centre, Innisfil, Ontario.
38. Spang, L., Voros, S., **Puric-Mladenovic, D.**, Milian, K., Woeller, K. and Strobl, S. 2011. Designing Natural Heritage Systems in Southern Ontario Using a Science-Based Approach and Stakeholder Engagement. The first biennial Lake Simcoe Protection Plan Science Forum: Science at Work. May 26 & 27, 2011, Kempenfelt Conference Centre, Innisfil, Ontario.
39. Puric-Mladenovic, D 2010. Reclaiming the Past to Inform the Future [PowerPoint Presentation]. The 17th A.D. Latornell Conservation Symposium "Biodiversity - Connection People, Land and Water. November 17-19, 2010, 1 pp (Abstract), Alliston, Ontario.

40. **Puric-Mladenovic, D.**, Malcolm, J., She, H., Buck, J. 2010. Vulnerability Assessment Terrestrial Ecosystems / Vegetative Cover. Lake Simcoe Climate Change Adaptation Science Workshop, November 24-25, 2010, Kempenfelt Conference Centre, Innisfil, Ontario.
41. **Puric-Mladenovic, D.** 2009. Pre-settlement Vegetation Modeling and Mapping. American chestnut. The Canadian Chestnut Council – “American chestnut: A Symposium 2009”, October 31, 2009, Tim Horton Children’s Foundation Onondaga Farms, St. George, Ontario.
42. **Puric-Mladenovic, D.**, Malcolm, J, Shi, H. 2008. Possible Impacts of Climate Change on Ontario’s Forests. The Lindsay Winter Woodlot Conference - “Caring for Tomorrow’s Forests”. February 21, 2008, Lindsay, Ontario.
43. **Puric-Mladenovic, D.**, Malcolm, J, Shi, H. 2008. Future Distributions of Trees and Forests in Ontario. ISAO Conference 2008 – “The Changing Climate of Arboriculture”, The ISAO 59th Annual Educational Conference and Trade Show, the Ontario Chapter of the International Society of Arboriculture, February 13-15, 2008, Niagara Falls, Ontario.
44. **Puric-Mladenovic, D.** 2008. Predictive Vegetation Modeling & Mapping: Uses for NHS and SAR. Southern Region Joint Natural Heritage and Planning Forum. October 7 – 9, 2008, Four Points Sheraton, St. Catharines, Ontario.
45. **Puric-Mladenovic, D.** and Strobl, S. 2007. Methodologies Used in Identifying Natural Heritage Systems within the Natural Spaces Project. The Parks Research Forum of Ontario (PRFO) 2007: Parks and Protected Areas in Urban and Highly Settled Regions. April 4-5 2007, University of Waterloo, Waterloo, Ontario.
46. **Puric-Mladenovic, D.** 2007. A New Approach for Identifying Natural Heritage Stewardship. Ontario Professional Planners Institute Conference - “Lifestyle 2007 – Blue Skies Planning”. October 3-5, 2007, Town of the Blue Mountains, Ontario.
47. **Puric-Mladenovic, D.** 2007. A Scenario Based Modelling Approach to Support Strategic Landscape Conservation. The CIF-IFC Conference – “Forests in Settled Landscapes: Working Together to Protect and Enhance”, Faculty of Forestry, University of Toronto, August 20-23, 2007, Toronto, Ontario.
48. **Puric-Mladenovic, D.**, Malcolm, J, Shi, H. 2007. Possible Impacts of Climate Change on Ontario’s Forests: Planning and Management Implications. The Ontario Stewardship Program 2007 Annual General Meeting and Conference. May 29–31, 2007, Tim Horton’s Camp- Lorimer Lake, Parry Sound, Ontario.
49. **Puric-Mladenovic, D.** and Strobl, S. 2007. Developing a Science-based Approach for Delineating Natural Heritage System in Southern Ontario. Paper submitted to The 7th International Association for Landscape Ecology (IALE) World Congress with the theme “25 Years of Landscape Ecology: Scientific Principles in Practice”, Theme 5: Monitoring at the Landscape scale. July 8 – 12, 2007, Wageningen, the Netherlands.
50. **Puric-Mladenovic, D.** 2006. Landscape Planning and Management. OMNR Planners’ Forum. October 23-24, 2006, Midhurst District Office, Midhurst, Ontario.
51. **Puric-Mladenovic, D.** 2006. Landscape Planning and Management. OMNR Planners’ Forum. October 26, 2006, Peterborough, Ontario.
52. **Puric-Mladenovic, D.** et al. 2006. Piloting a New Approach to Fine Scale Vegetation Mapping with Southern Ontario Conservation Partners. Parks Research Forum Ontario. Cross-Border Approaches to Protected Areas, Heritage Conservation, and Tourism, April 27-29, 2006, Niagara Falls, Ontario.
53. **Puric-Mladenovic.** 2005. Application of SOLRIS to Natural Heritage Planning, The 12th annual A.D. Latornell Conservation Symposium - “Healthy Waters - Healthy Communities”, November 16-18, 2005, Alliston, Ontario.
54. **Puric-Mladenovic, D.** 2005. Oak Ridges Moraine Conservation and Restorations Analysis - Application to MNR Districts. Southern Region IM Forum, OMNR, October 26, 2005, Peterborough, Ontario

55. Malcolm, J.R., **Puric-Mladenovic, D.**, Shi, H. 2005. Implications of Migration Limitation for Global Warming-induced Changes in North Temperate Tree Communities. The 90th Annual Meeting of the Ecological Society of America (ESA) and IX INTECOL International Congress of Ecology - "Ecology at multiple scales/Ecologie: une question d'échelles", 7-12 August 2005, Montréal, Québec.
56. **Puric-Mladenovic, D.** 2005. Conservation Areas on the Oak Ridges Moraine using Systematic Conservation Planning Approach. Parks Research Forum of Ontario (PRFO), May 6, 2005, University of Guelph, Guelph, Ontario.
57. **Puric-Mladenovic, D.** and Strobl, S. 2005. Delineating Conservation areas on the Oak Ridges Moraine using a systematic conservation planning approach. The 5th North American Forest Ecology Conference in Aylmer, June 16, 2005, Aylmer, Quebec.
58. and Strobl, S. 2005. Modeling Savannah / Prairie Distribution and its Restoration on the Oak Ridges Moraine. The 20th Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology (US-IALE), March 12-16, 2005, Syracuse, New York.
59. **Puric-Mladenovic, D.** and Strobl, S. 2004. A Restoration Strategy for the Oak Ridges Moraine, The 11th annual A.D. Latornell Conservation Symposium - "Stewardship from Strategies to Actions", November 17-19, 2004, Alliston, Ontario.
60. **Puric-Mladenovic, D.** 2002. Predictive Vegetation Modeling as a Planning Tool. The 5th Canadian Urban Forestry Conference - "Urban forest planning: sustainable forests for healthy communities", co-hosted by the Regional Municipality of York, the Ontario Urban Forestry Council and the Tree Canada Foundation, October 7-9, 2002, Markham, Ontario.
61. **Puric-Mladenovic, D.** 2001. Predictive Vegetation Modeling for Forest Management in the Region of York. The 8th annual A.D. Latornell Conservation Symposium – "Conservation, Water and Health: The Ripple Effect", November 14-16, 2001, Alliston, Ontario.
62. **Puric-Mladenovic, D.** 2000. Land Development Pressure on Peri-urban Forests: A Case Study in the Regional Municipality of York. Paper presented at the 16th Annual CONFOR Graduate Student Conference in Forestry and Environmental Sciences, February 4-5, 2000, Faculty of Forestry, University of Toronto, Toronto, Ontario.
63. **Puric-Mladenovic, D.** 1999. Predictive Vegetation Modeling for Forest Planning and management in urban-rural landscapes. The 2nd Annual Forest Research Symposium, The Regional Municipality of York, September 15, 1999, Newmarket, Ontario.
64. **Puric-Mladenovic, D.** 1999. Changes in Forest Cover Proportion and Pattern under Urban Expansion: a Case Study of York Region, Southern Ontario. Paper presented at the 15th Annual CONFOR Graduate Student Conference in Forestry and Environmental Sciences, February 4-7, 1999, Atlantic Oaks by the Sea Resort, Bar Harbor, Maine.
65. **Puric-Mladenovic, D.** and Duffy, N. 1998. Current Urban Forestry Practices in Europe. Presented at the OSTC Annual Conference and Educational Seminar, October 5, 1998, Black Creek Pioneer Village, Toronto, Ontario.
66. **Puric-Mladenovic, D.** 1998. Changes in Forest Cover Proportion and Pattern under Population Growth – Case Study of York Region and Southern Ontario. The first Annual Forest Research Symposium - "We're in a forest state of mind". The Regional Municipality of York Transportation Department, September 4, 1998, Newmarket, Ontario.
67. **Puric-Mladenovic, D.** and Kenney, W.A. 1996. Potential Natural Vegetation as a Guideline for Urban Forest Planning. pp. 320-326 in P. Jonker, J. Vandall, L.Baschak and d. Gauthier. Proceedings of the conference "Caring for Home - Protected Areas and Landscape Ecology, September 29- October 1, 1996. Regina, Saskatchewan. 360 pp.
68. Gajic, M., **Puric-Mladenovic, D.** and Vilotic, D. 1994. Determination of the Origin of Austrian Pine (*Pinus nigra* Arn.) used in Afforestation based on Anatomical Structure of Needles. p. 283-288 In P. Marinkovic, S. Vicicevic, B. Stojkov and M. Vujic, eds. Proceedings of the National

- Conference "The Deliblato Sand - Proceedings VI" , 28-30 October 1993, Deliblato Sand. Serbia Forest, Belgrade. 288 pp.
69. Gajic, M. and **Puric, D.** 1991. Relation of species from the genus *Acer* L. of Flora of Serbia and of Flora Europaea. p. 413-416 in M. Gajic, ed. Proceedings of the Symposium "Nedeljko Kosanin and botanical sciences", Belgrade-Ivanjica. Serbian Academy of Science and Arts, Belgrade, University of Belgrade: Botanical Institute and Botanical Garden and Ivanjica Forestry. Belgrade-Ivanjica. 416p.
70. Gajic, M. and **Puric, D.** 1991. Origin of Austrian Pine (*Pinus nigra* Arn.) planted in green areas of the City of Kraljevo. p. 409-411 in M. Gajic, ed. Proceedings of the Symposium "Nedeljko Kosanin and botanical sciences", Belgrad-Ivanjica. Serbian Academy of Science and Arts- Belgrade, University of Belgrade: Botanical Institute and Botanical Garden and Ivanjica Forestry. Belgrade-Ivanjica. 416p.

Other invited talks and presentations

1. **Puric-Mladenovic, D.** 2016. Biomass and carbon estimates: Case studies using VSP data. Eastern Ontario Model Forest, January 27, 2016, Kemptville, Ontario.
2. **Puric-Mladenovic, D.** 2015. Natural cover monitoring in the Lake Simcoe watershed and VSP. Presented to Forestry – City of Guelph, October 1, 2015, Guelph, Ontario.
3. **Puric-Mladenovic, D.** 2015. Natural cover monitoring in the Lake Simcoe watershed and VSP. Presented to the Integrated Monitoring Framework (IMF) - Natural Heritage/Landscape Ecology/Non-Forested Ecosystems Task team. Ministry of Natural Resources and Forestry (OMNRF), February 13, 2015, Peterborough, Ontario.
4. **Puric-Mladenovic, D.** 2015. Natural cover monitoring in the Lake Simcoe watershed and VSP. Presented to the Integrated Monitoring Framework (IMF) – Integrated Forest Monitoring team, January 27-28, 2015, Toronto, Ontario.
5. **Puric-Mladenovic, D.** 2015. Natural cover monitoring in the Lake Simcoe watershed and VSP. Presented to The Federal Urban Park – Rouge National Urban Park, January 14, 2015, Toronto, Ontario.
6. **Puric-Mladenovic, D.** 2014. VSP monitoring application and natural cover monitoring in the Lake Simcoe watershed. Presented at the workshop “Working together to increase York Region’s woodland cover”, The Regional Municipality of York, December 9, 2014, Newmarket, Ontario.
7. **Puric-Mladenovic, D.** 2013. Workshop on Vegetation Inventory and Monitoring - Utilizing Vegetation Sampling Protocol. University of Waterloo. Waterloo Summit Centre for the Environment, March 20, 2013 & April 29, 2013, Huntsville, Ontario
8. **Puric-Mladenovic, D.** 2013. Vegetation Sampling Protocol (VSP) monitoring. Terrestrial Monitoring Network. Conservation Halton, June 5, 2013, Burlington, Ontario.
9. **Puric-Mladenovic, D.** 2013. Urban Forests: Southern Ontario. OMNR Natural Heritage Forum, Ontario Ministry of Natural Resources, October 15, 2013, Peterborough, Ontario.
10. **Puric-Mladenovic, D.** 2013. Predictive Vegetation, Species and Habitat Modeling and Mapping in Southern Ontario [Presentation]. Ontario Council of University Libraries (OCUL) Directors Meeting, Laurentian University, May 10, 2013, Sudbury, Ontario.
11. **Puric-Mladenovic, D.** 2013. Pre-settlement (historical) vegetation and landscape condition modeling and mapping for the Regional Municipality of Peel. June 26, 2013, Regional Municipality of Peel, Brampton, Ontario.
12. **Puric-Mladenovic, D.** 2013. The Process behind Natural Heritage System Design for Southern Ontario. Kawartha Naturally Connected, January 24, 2013, Peterborough, Ontario.
13. **Puric-Mladenovic, D.** and Strobl, S. 2012. Methods and Tools for Integrating SAR Protection into Strategic Landscape Management. Presentation to the Species at Risk (SAR) Branch

- Management Team, Ontario Ministry of Natural Resources. October 31, 2012, Peterborough, Ontario.
14. **Puric-Mladenovic, D.** 2012. Predictive Vegetation, Species and Habitat Modeling. OMNR, Peterborough, July 19, 2012.
 15. **Puric-Mladenovic, D.** 2012. Decision Support Tools and Information Needs for Urban Forest Management. May 11, 2012, City of Oakville, Ontario.
 16. **Puric-Mladenovic, D.** 2012. Natural Heritage Systems (NHS) Design and some hints about Marxan, conservation features and targets. The Kawartha's naturally Connected project: The Scenario Planning Team Meeting, Peterborough, Ontario, February 7, 2012.
 17. **Puric-Mladenovic, D.** 2011. NHS Design and Some Hints about NHS Planning. The Kawartha's, Naturally Connected project: The Scenario Planning Team Meeting, September 27, 2011. Peterborough, Ontario.
 18. **Puric-Mladenovic, D.** 2011. Southern Ontario Vegetation Inventory. April 5, 2011, Ontario.
 19. **Puric-Mladenovic, D.** and Buck, J. 2010. Postcards from the Pre-settlement Past. November 8, 2010.
 20. **Puric-Mladenovic, D.** 2010. Forests and Natural Heritage Systems Planning in Southern Ontario. The Canadian Institute of Forestry (CIF) southern Ontario chapter meeting hosted by the OMNR, June 25 2010, Peterborough, Ontario.
 21. **Puric-Mladenovic, D.** 2010. Applications of Vegetation and Habitat Models for Natural Resources Planning. February 4, 2010, Trent-Severn Waterway National Historic Site of Canada, Peterborough, Ontario.
 22. **Puric-Mladenovic, D.** 2010. Pre-settlement Vegetation, Vegetation Modeling and Mapping. Regional Municipality of York, January 27, 2010, Newmarket, Ontario.
 23. **Puric-Mladenovic, D.** 2009. Predictive Vegetation Modeling (PVM) for the eco-district 6e10 and GPE – St. Lawrence Islands National Park. February 25, 2009.
 24. **Puric-Mladenovic, D.** 2008. An Overview of the Natural Spaces Scenario Analysis and Modeling Approach. The Natural Resources Socio-economic Network South Western Ontario, May 14-15, 2008, Port Burwell, Ontario.
 25. **Puric-Mladenovic, D.** 2008. Predictive Vegetation Modeling (PVM) for the eco-district 6e10-GPE – St. Lawrence Islands National Park. Meeting with Conservation Authorities, January 2008.
 26. **Puric-Mladenovic, D.** 2007. Landscape Planning and Management. OMNR Muskoka District. December 4, 2007, Muskoka District, Ontario.
 27. **Puric-Mladenovic, D.** 2007. Rapid Vegetation Sampling: Fixed Plot & Polygon. June 6, 2007. Credit Valley Conservation Authority, Mississauga, Ontario.
 28. **Puric-Mladenovic, D.** and Strobl, S. 2007. Pre-settlement Vegetation, Vegetation Data and Maps: Applications. Niagara Peninsula Conservation Authority, May 2, 2007, Welland, Ontario.
 29. **Puric-Mladenovic, D.** 2007. Natural Spaces' A Proposed Modelling and Scenario-Based Approach for Identifying Natural Heritage Systems in Southern Ontario: NHS scenario analyses for Ecodistricts 7e5. OMNR Guelph District Leadership Team. April 30, 2007. Guelph, Ontario.
 30. **Puric-Mladenovic, D.** 2007. Natural Spaces' A Proposed Modelling and Scenario-Based Approach for Identifying Natural Heritage Systems in Southern Ontario: NHS scenario analyses for Ecodistrict 7e5. OMNR - A Green Space Program for Southern Ontario. February 15, 2007, Peterborough, Ontario.
 31. **Puric-Mladenovic, D.** 2007. Natural Spaces' A Proposed Modelling and Scenario-Based Approach for Identifying Natural Heritage Systems in Southern Ontario: NHS scenario analyses for Ecodistrict 6e6. OMNR - Midhurst & Aurora MNR Districts. February 15, 2007, Ontario.
 32. **Puric-Mladenovic, D.** 2006. Pre-settlement Vegetation, Vegetation Data and Maps: Applications. Regional Municipality of Peel, December 7, 2006, Brampton, Ontario.

33. **Puric-Mladenovic, D.** 2006. Vegetation Sampling and Modeling. November 26, 2013. Toronto and Region Conservation Authority, Toronto, Ontario.
34. **Puric-Mladenovic, D.** 2006. Natural Heritage System (NHS) Approach. Presentation to the Eastern Ontario Model Forest (EOMF) Forest Science Committee Meeting, November 10, 2006, Kemptville, Ontario.
35. **Puric-Mladenovic, D.** 2006. Landscape Planning and Management. OMNR Southern Region Planning Unit. September 2006, Peterborough, Ontario.
36. **Puric-Mladenovic, D.** 2006. Landscape Management, Concepts, Principles and Approaches Regional Advisory Committee Southern Region. April 27, 2006, Wigamong Inn Resort, Halliburton, Ontario.
37. Strobl, S., **Puric-Mladenovic, D.**, Johnson W. 2006. Oak Ridges Moraine Conservation and Restorations Analysis - Applications, SCOCA meeting with Conservation Authorities. January 11, 2006, Trenton, Ontario.
38. **Puric-Mladenovic, D.** 2006. Natural Spaces Natural Heritage System (NHS) Approach. Presentation to the OMNR Kemptville, December 19, 2006, Kemptville, Ontario.
39. **Puric-Mladenovic, D.** 2005. Pre-settlement and Potential Natural Vegetation (PNV) - Applications. November 24, 2005, Credit Valley Conservation Authority, Mississauga, Ontario.
40. **Puric-Mladenovic, D.** 2005. Modeling and Mapping Historical (Pre-settlement) and Potential Natural Vegetation (PNV). October 30, 2005, Regional Municipality of Durham, Whitby, Ontario.
41. **Puric-Mladenovic, D.** 2005. Modeling and Mapping Historical (Pre-settlement) and Potential Natural Vegetation (PNV). October 28, 2005, Regional Municipality of Halton, Oakville, Ontario.
42. **Puric-Mladenovic, D.** 2005. A Restoration Strategy for the Oak Ridges Moraine. Presentation to the Willow Beach Field Naturalists and Northumberland Stewardship Council Meeting, May 11, 2005, Cobourg, Ontario.
43. Strobl, S. and **Puric-Mladenovic, D.** 2005. A Restoration Strategy for the Oak Ridges Moraine. Presentation to MNR Aylmer District, February 16, 2005, Aylmer, Ontario.
44. **Puric-Mladenovic, D.** 2004. Landscape Management: Concepts, Principles and Approaches. Annual OMNR leadership retreat, OMNR Southern Region, November 23, 2004, Kempenfelt Centre, Innisfil, Ontario.
45. Strobl, S., **Puric-Mladenovic, D.** 2004. A Restoration Strategy for the Oak Ridges Moraine. ORM Stewardship Strategy Session Black Creek, Black Creek, November 3, 2004, Toronto, Ontario.
46. Strobl, S., **Puric-Mladenovic, D.** 2004. Towards a Restoration Strategy for the Oak Ridges Moraine. ORM Public Stewardship Alliance Committee MNR, Aurora District, October 12, 2004, Aurora, Ontario.
47. **Puric-Mladenovic, D.** 2004. Predictive Vegetation Modeling and Validation Techniques, Lunch and Learn Series, Ontario Ministry of Natural Resources, October 18, 2004, Peterborough, Ontario.
48. **Puric-Mladenovic, D.** 2004. Historic Forest Cover in the Region of York: a Vision for the Future. Presentation to the Regional Municipality of Durham and Regional Municipality of Peel, April and May 2004, Oshawa and Brampton, Ontario.
49. **Puric-Mladenovic, D.** 2004. A Restoration Strategy for the Oak Ridges Moraine. Presentation to Willow Beach, May 11, 2004, Cobourg, Ontario.
50. **Puric-Mladenovic, D.** 2004. Historic Forest Cover in York Region, a Vision for the Future. Presentation to potential bidders on significant woodland study for the Region of York Region, March 26, 2004, Newmarket, Ontario.
51. **Puric-Mladenovic, D.** 2004. Protection and Restoration of Native Forest Types. Presentation to the Ontario Ministry of Natural Resource (OMNR) Oak Ridges Moraine vegetation strategy meeting, January 20, 2004, Aurora, Ontario.

52. **Puric-Mladenovic, D.** 2003. Forest(s) of the Regional Municipality of York. Presentation to the York regional significant woodlands technical advisory committee and the regional staff, the Regional Municipality of York, December 12, 2003, Newmarket, Ontario.
53. **Puric-Mladenovic, D.** 2003. Predictive Vegetation Modeling for Forest Conservation and Management in Settled Landscapes. Presentation to planning and forestry staff, the Regional Municipality of York, September 25, 2003, Newmarket, Ontario.
54. **Puric-Mladenovic, D.** 2001. Predictive Vegetation Modeling for Forest Management in Settled Areas. Forestry in South Central Region, The Regional Municipality of York November 1-2, 2001, Newmarket, Ontario.
55. **Puric-Mladenovic, D.** 2000. Predictive Vegetation Modeling for Forest Planning and Management in Urban-Rural Landscapes. Presentation for a delegation of forest managers from China, Faculty of Forestry, University of Toronto, March 8, 2000, Toronto, Ontario.
56. **Puric-Mladenovic, D.** 1999. Predictive Vegetation Modeling for Forest Planning and Management in Urban-Rural Landscapes. Presentation for a delegation of urban foresters from China. Faculty of Forestry, University of Toronto, November 17, 1999, Toronto, Ontario.
57. **Puric-Mladenovic, D.** and Kenney, W.A. 1998. Urbanization and Forest Fragmentation. Canadian Institute of Forestry (CIF) meeting hosted by the Urban Forestry Group, Faculty of Forestry, University of Toronto, November 17, 1998, Toronto, Ontario.
58. **Puric-Mladenovic, D.** 1998. Woodland Patterns in Urban and Peri-urban Landscapes. Presentation to students and faculty members, Faculty of Forestry, University of Toronto. February 4, 1998, Toronto, Ontario.

Seminars and workshops

- 2016 **Puric-Mladenovic, D.** 2016. *Forests in settled landscapes: Where human and environmental needs co-exist*. Science and Research Branch - Science Insights Seminar, Ontario Ministry of Natural Resources and Forestry, October 20, 2016, Sault Ste. Marie, Ontario.
- 2016 **Puric-Mladenovic, D.** 2016. *Woodlands Inventory and Monitoring in Urban and Peri-urban Ontario*. York University, January 25, 2016, Toronto, Ontario.
- 2014 **Puric-Mladenovic, D.** 2014. Ontario's Settled Landscapes: Past, Present and Future, OFRI Seminar Series. Ontario Ministry of Natural Resources, April 5, 2014, Peterborough, Ontario.
- 2014 **Puric-Mladenovic, D.** 2014. *Update on forest cover related policies in the Lake Simcoe Protection Plan, including progress toward monitoring/quantifying of 'High Quality' natural cover*. Presentation to the Lake Simcoe Coordinating Committee and Lake Simcoe Science Committee, November 2014. Aurora, Ontario.
- 2013 **Puric-Mladenovic, D.** 2013. *Kawarthas, Naturally Connected - Science behind Natural Heritage System Design and Planning for southern Ontario*. Life Sciences Seminar Series, September 7, 2013, Trent University, Peterborough, Ontario.
- 2012 **Puric-Mladenovic, D.** 2012. *Workshop on Policy Modernization: Landscape Approach*, Ontario Ministry of Natural Resources (OMNR), May 31, 2012, Peterborough, Ontario. Workshop aimed at developing "Taking a Broader Landscape Approach – A Policy Framework for Modernizing Ontario's Approach to Natural Resource Management".
- 2011 **Puric-Mladenovic, D.** 2011. *Workshop on Cumulative Effects Assessment Practitioners*, Ontario Ministry of Natural Resources (OMNR), January 26-27, 2011, Toronto, Ontario. Workshop aimed at developing an interim policy direction and a science plan to address, strategically and tactically, cumulative effects assessment.
- 2011 **Puric-Mladenovic, D.** 2011. *Landscape and Conservation Planning in Southern Ontario*, Faculty of Forestry, University of Toronto, March 31, 2011, Toronto, Ontario.
- 2011 **Puric-Mladenovic, D.** 2011. [Predictive Vegetation Modelling and Mapping for eco-district 6e10 \[Map\]](#). Eastern Ontario Vegetation Inventory & ELC Inventory Workshop. March 8, 2011. Rideau Valley Conservation Authority, Manotick, Ontario.

- 2011 **Puric-Mladenovic, D.** 2011. *Settled landscapes*, Faculty of Forestry, University of Toronto, September 2011, Toronto, Ontario.
- 2011 **Puric-Mladenovic, D.** 2011. *Pre-settlement Mapping for the City of Hamilton*. Sponsored by the City of Hamilton, The Ministry of Natural Resources and the Hamilton – Wentworth Stewardship Council, March 1, 2011, Hamilton Conservation Authority, Hamilton, Ontario.
- 2010 **Puric-Mladenovic, D.** 2010. *Vegetation, Habitat and Species Modelling in Southern Ontario*. CASIOPA Workshop: Habitat Suitability Modelling, University of Waterloo, February 18th 2010, Waterloo, Ontario.
- 2010 Puric-Mladenovic, 2010. *Planning approaches internationally and at home and how these relate to settled landscapes system planning*. Workshop on Decision Support Tools for Conservation Planning in Settled Landscapes, Faculty of Forestry, University of Toronto, , December 15-17, 2010, Toronto, Ontario.
- 2010 **Puric-Mladenovic, D.** and Clark, G. 2010. *Predictive Modeling*. Forest Biomass Discovery Workshop 2. April 24, 2010, Queens University, Kingston, Ontario.
- 2010 **Puric-Mladenovic, D.** 2010. Workshop on *Decision Support Tools for Conservation Planning in Settled Landscapes*. Faculty of Forestry, University of Toronto, December 15-17, 2010, Toronto, Ontario. Organized workshop aimed to bridge the gap between science and decision making with over 90 participants from the academia, government and industry, including the Minister of Natural Resources, Christian Paradis and the Dean of the Faculty of Forestry, University of Toronto, Dr. Smith, S.M.
- 2010 **Puric-Mladenovic, D.** 2010. *Vegetation, Habitat and Species Modelling in Southern Ontario*. CASIOPA Workshop: Habitat Suitability Modelling, University of Waterloo, February 18, 2010, Waterloo, Ontario.
- 2010 **Puric-Mladenovic, D.** 2010. *Predictive Vegetation Modeling and Landscape Management and Planning*. Faculty of Forestry, University of Toronto, January, 2010, Toronto, Ontario.
- 2009 **Puric-Mladenovic, D.** 2009. *Science and Application: Settled Landscape*. Serbian Forests and Faculty of Forestry, University of Belgrade, June, 2009, Serbia.
- 2009 Invited to participate in *Climate Change and the Urban Forest Workshop*, The Clean Air Partnership, March 9, 2009 Toronto, Ontario.
- 2009 Invited to participate in *NHS Planning in Forested Landscapes*. Natural Heritage and Planners Forum Southern Region: Mini-NHS Workshop – What do Districts Need to Move Forward? October 7-9, 2008, St. Catharines, Ontario.
- 2008 Invited to participate in *Significant Woodlands & Significant Wildlife Habitat Study*. Peel Region & Town of Caledon Workshop, Region of Peel, June 17, 2008
- 2008 **Puric-Mladenovic, D.** 2008. *Landscape Modeling Tools*. Southern Region MNR Geospatial Science and Information Workshop by SSIB, OMNR, March 4 – 6, 2008, Niagara Falls, Ontario.
- 2007 **Puric-Mladenovic, D.** 2007. *Natural Spaces' A Proposed Modelling and Scenario-Based Approach for Identifying Natural Heritage Systems in Southern Ontario: NHS scenario analyses for Ecodistrict 6e6*, Natural Heritage System Workshop, February 27, 2007, Newmarket, Ontario.
- 2007 **Puric-Mladenovic, D.** 2007. *Natural Spaces' A Proposed Modelling and Scenario-Based Approach for Identifying Natural Heritage Systems in Southern Ontario: NHS scenario analyses for Ecodistricts 7e5*, Natural Heritage System Workshop Vineland Station - Rittenhouse. February 20, 2007, Ontario.
- 2007 Pulham, G., Strobl, S., **Puric-Mladenovic, D.** 2007. Workshop on *A New Approach for Identifying Natural Heritage System*, Ontario Professional Planners Institute Conference: Lifestyle 2007 – Blue Skies Planning. Training for Ontario professional planners. October 3-5, 2007, Town of the Blue Mountains, Ontario.
- 2007 **Puric-Mladenovic, D.** 2007. *Conservation in the Inhabited Landscapes of Southern Ontario*. Faculty of Forestry, University of Toronto, November 2007, Toronto, Ontario.

- 2006 **Puric-Mladenovic, D.** 2007. Natural Heritage System Scenario Analysis Outputs for eco-district 6e6. OMNR Natural Spaces NHS 6e6 workshop, February 27, 2007. Newmarket, Ontario.
- 2007 **Puric-Mladenovic, D.** 2007. Natural Heritage System Scenario Analysis Outputs for eco-district 7e5. OMNR Natural Spaces NHS 7e5 workshop, February 20, 2007, Rittenhouse, Vineland, Ontario.
- 2006 **Puric-Mladenovic, D.** 2006. *Landscape Management and Planning*. Faculty of Forestry, University of Toronto, November 2006, Toronto, Ontario.
- 2006 **Puric-Mladenovic, D.** 2006. Historical Vegetation Mapping – Applications. Meeting with the historical vegetation mapping project partners. December 9, 2006, Brampton, Ontario.
- 2006 **Puric-Mladenovic, D.** 2006. *Natural Heritage System (NHS) Model Overview - Deriving Targets from Gap Analyses*. OMNR Natural Spaces Program – Stakeholders Workshop, June 2006, University of Trent, Peterborough, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. Sampling Methodology for Predictive Vegetation Mapping. Ontario Parks Workshop. Peterborough, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. *Landscape Management: Concepts, Principles and Approaches*. Faculty of Forestry, University of Toronto, December 1, 2005, Toronto, Ontario.
- 2005 Strobl, S., **Puric-Mladenovic, D.** Johnson, W. 2005. Oak Ridges Moraine Restoration Data Demonstration for Conservation Priority Area 3 - Applications. ORM restoration strategy technology transfer, ORMF, November 15, 2005, Ontario.
2005. **Puric-Mladenovic, D.** 2005. *An Overview of Information Management & Spatial Analysis Projects: Relevance to Eastern Ontario*. Workshop on National Agri-Environmental Standards Initiative (NAESI) Project - Decision Support Process for Habitat Based Biodiversity Standards, November 9-10, 2005, Merrickville, Ontario.
- 2005 Strobl, S., **Puric-Mladenovic, D.** Johnson, W. 2005. Oak Ridges Moraine Restoration demonstration for Conservation Priority Area 2 – Applications. ORM restoration strategy technology transfer, ORMF, November 2, 2005, Caledon, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. *Oak Ridges Moraine (ORM) Conservation and Restorations Analysis Application to Districts*. OMNR Southern Region Workshop, October 26, 2005. Peterborough, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. Application of the Oak Ridges Moraine Restoration Mapping. Interactive session with Oak Ridges Moraine Foundation. August 26, 2005, CLOCA-Oshawa, Ontario.
- 2005 Strobl, S., **Puric-Mladenovic, D.**, Johnson, W. 2005. *A Restoration Strategy for the Oak Ridges Moraine*. Workshop for ORM Stewardship Coordinators, OMNR, June 9, 2005, Peterborough, Ontario.
- 2005 Strobl, S., **Puric-Mladenovic, D.**, Johnson, W., Arends, R. 2005. *A Restoration Strategy for the Oak Ridges Moraine*. ORM Restoration Strategy Workshop. Black Creek Pioneer Village, April 18, 2005, Toronto, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. *A Restoration Strategy for the Oak Ridges Moraine*. Geographic Information Workshop (MNR and CA staff). Niagara, Ontario, 23-Mar-05
- 2005 Strobl, S. and **Puric-Mladenovic, D.** 2005. *Integrated Land Management Workshop*, Environment Canada, March 1, 2005, Toronto, Ontario.
- 2005 **Puric-Mladenovic, D.** 2005. Sampling Methodology for Predictive Vegetation Mapping. The Peterborough Lift Lock Visitor Centre. January 26, 2005. Peterborough, Ontario.
- 1997 **Puric-Mladenovic, D.** 1997. Conducted tree identification seminars on the community project 'Count Your Trees In' for the non-profile organization Local Enhancement & Appreciation of Forests (LEAF), Urban Forests Centre, Faculty of Forestry, University of Toronto.
- 1997 **Puric-Mladenovic, D.** and Hauffman, D. 1997. Co-lead workshop on *Building Urban Forests Awareness and Action with Public and Politician*, The Canadian Forestry Association Third

Canadian Urban Forests Conference, May 28-31, 1997, Halifax Regional Municipality, Nova Scotia.

KNOWLEDGE AND TECHNOLOGY TRANSFER

Mapping products and mapping applications

1. **Puric-Mladenovic, D.** 2019. **Puric-Mladenovic, D.**, Baird, K., MacDonald, S., Barakat, R. 2019. University of Toronto Forest Carbon Stock. Faculty of Forestry, University of Toronto. Feb 1st, 2019. [Maps at <https://s3.amazonaws.com/forests-settled-urban-landscapes.org/0Maps/CarbonUofT/UofTForestTreesCarbon.pdf>]
2. **Puric-Mladenovic, D.** and Araya, Y. 2018. Predictive modeling of forest biomass and carbon stock across the urban-rural Lake Simcoe Watershed [Map]. Lake Simcoe Watershed Natural Cover Monitoring. Faculty of Forestry, University of Toronto & Ontario Ministry of Natural Resources and Forestry. [Map at <http://forests-settled-urban-landscapes.org/VSP/Results/docs/PredictedBMS.pdf>]
3. **Puric-Mladenovic, D.** and Araya, Y. 2018. Urban canopy mapping for population centers in the Lake Simcoe Watershed [Map]. Lake Simcoe Watershed Natural Cover Monitoring. Faculty of Forestry, University of Toronto [Map at http://forests-settled-urban-landscapes.org/VSP/Results/docs/UC_Map.pdf].
4. **Puric-Mladenovic, D.** and Araya, Y. 2018. Early successional forest mapping in the Lake Simcoe Watershed [Map]. Lake Simcoe Watershed Natural Cover Monitoring. Faculty of Forestry, University of Toronto [Map at <http://forests-settled-urban-landscapes.org/VSP/Results/images/WDSuccessionalFor.jpg>]
5. **Puric-Mladenovic, D.** and Araya, Y. 2018. Persistence and Shade Classes for Woodland in the Lake Simcoe Watershed [Map]. Lake Simcoe Watershed Natural Cover Monitoring. Faculty of Forestry, University of Toronto [Map at <http://forests-settled-urban-landscapes.org/VSP/Results/docs/WoodlandClass.pdf>]
6. **Puric-Mladenovic, D.** and Araya, Y. 2018. [Resampling of the Niagara Escarpment Biosphere Reserve](#) [Technical Report and Map]. Niagara Escarpment: Forest Change Over Time. Ontario Ministry of Natural Resources and Forestry.
7. **Puric-Mladenovic, D.** 2018. Land Use Carbon Inventory: An Example of Single Tree Carbon Stock on U of T Campus [Map]. Map generated from Neighbourwoods® Tree Inventory Data 2017 and ESRI Topographic BaseMap 2018 using ArcMap10.5, April 10, 2018. Faculty of Forestry, University of Toronto. [Map at <https://s3.amazonaws.com/forests-settled-urban-landscapes.org/0Maps/UTSTGcarbon/index.html>]
8. **Puric-Mladenovic, D.**, Yung, Y. and Bardekjian, A. 2017. [Canada's Urban Forest Footprint: Mapping the Extent and Intensity of Urban Forestry Activities](#). Faculty of Forestry, University of Toronto [Interactive Maps <http://forests-settled-urban-landscapes.org/UrbanForestryFootprint>].
9. **Puric-Mladenovic, D.** 2015 [Neighbourwoods® Tree Inventory: The Annex - Public and Private Trees](#) [Map]. Faculty of Forestry, University of Toronto and Neighbourwoods.
10. **Puric-Mladenovic, D.** Pre-settlement Landscape Vegetation Modeling in the *meta-map database* of historical vegetation maps for Southern Ontario, University of Waterloo, Geospatial Centre Library.
11. **Puric-Mladenovic, D.** Pre-settlement Landscape Vegetation Modeling and Mapping for the Southwestern Golden Horseshoe, including Hamilton, Halton, Peel, Toronto and York Regions and the Credit Valley Watershed –Probability of American Beech-Basswood Vegetation.

- University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/danijela-puric-mladenovic>]
12. **Puric-Mladenovic, D.** Pre-settlement Landscape Vegetation Modeling and Mapping for the Southwestern Golden Horseshoe, including Hamilton, Halton, Peel, Toronto and York Regions and the Credit Valley Watershed –Probability of Wetland Areas. University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/danijela-puric-mladenovic>]
 13. **Puric-Mladenovic, D.** Pre-settlement vegetation mapping for the Regional Municipality of York completed in 2003. University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/danijela-puric-mladenovic>]
 14. **Puric-Mladenovic, D.** Pre-settlement vegetation mapping for Temagami, University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/danijela-puric-mladenovic>]
 15. **Puric-Mladenovic, D.** Historical vegetation mapping for the Region of Peel. University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/danijela-puric-mladenovic>]
 16. **Puric-Mladenovic, D.** Pre-settlement vegetation of Algonquin Provincial Park. University of Waterloo, The Geospatial Centre Library. [Map at <https://uwaterloo.ca/library/geospatial/collections/digital-projects/historicalsoils-veg/index-artus-franscecut-heidenreich-puric-mladovich-and/puric-mladenovic-and-pinto>]
 17. **Puric-Mladenovic, D.** 2011. [Pre-settlement Landscape Vegetation Modeling and Mapping for the Southwestern Golden Horseshoe, including Hamilton, Halton, Peel, Toronto and York Regions and the Credit Valley Watershed – Probability of American Beech-Basswood Vegetation](#) [Map]. Faculty of Forestry, University of Toronto. Historical map in KMZ format available from University of Waterloo, The Geospatial Centre Library.
 18. **Puric-Mladenovic, D.** 2011. [Pre-settlement Landscape Vegetation Modeling and Mapping for the Southwestern Golden Horseshoe, including Hamilton, Halton, Peel, Toronto and York Regions and the Credit Valley Watershed – Probability of Wetland Areas](#) [Map]. Faculty of Forestry, University of Toronto.
 19. **Puric-Mladenovic, D.** 2011. [Historical Vegetation Mapping for the Region of Peel](#) [Map], Faculty of Forestry, University of Toronto.
 20. **Puric-Mladenovic, D.** and Clark, G. 2010. [Predictive Modeling and Mapping of Biomass and Carbon for the Bruce Peninsula - Eco-district 6e-14](#) [Map]. Faculty of Forestry, University of Toronto.
 21. **Puric-Mladenovic, D.**, Buck, J., Bradley, D., Arends, R. and Strobl, S. 2008. [Digital Atlas of Predicted Species Distributions, Vegetation Assemblages and Habitat Characteristics for the Eco-district 6e10 and GPE - St. Lawrence Islands National Park, Version 1.0](#) [Map]. Information Management and Spatial Analysis Unit, Southern Science and Information Section, OMNR, Peterborough, Ontario.
 22. Malcolm, J.R., Kramm, D., **Puric-Mladenovic, D.** and Shi., H. 2008. A Climate Change Atlas of Ontario's Trees, Version 2 [Map]. Faculty of Forestry, University of Toronto.

23. **Puric-Mladenovic, D.** 2005 . [Pre-settlement Vegetation of Algonquin Provincial Park](#) [Map], Faculty of Forestry, University of Toronto. Historical map in KMZ format available from University of Waterloo, The Geospatial Centre Library.
24. **Puric-Mladenovic, D.** and Pinto, F. 2005. [Pre-settlement Vegetation Mapping for Temagami Provincial Park](#) [Map], Faculty of Forestry, University of Toronto. Historical map in KMZ format available from University of Waterloo, The Geospatial Centre Library.
25. **Puric-Mladenovic, D.** and Johnson, W. 2005. Oak Ridges Moraine Restoration Priority Areas and Data. ORMF, November 15, 2005, Ontario (CD)
26. Malcolm, J., **Puric-Mladenovic, D.** and Shi, H. 2004. A Climate Change Atlas for 134 Forest Tree Species of Ontario, Canada [Map]. Faculty of Forestry, University of Toronto, Toronto, Ontario, Canada.
27. **Puric-Mladenovic, D.** 2003. [Pre-settlement Vegetation Mapping for the Regional Municipality of York](#) [Map]. Faculty of Forestry, University of Toronto.
28. Malcolm, J., **Puric-Mladenovic, D.** and Shi, H. 2003. Adaptive Responses to Climate Change-induced Tree Migration in Ontario. Final Report to the Ontario Living Legacy Trust, April 30, 2004. Faculty of Forestry, University of Toronto, 43 pp. + appendices and maps (CD)

Technical products, software, tools

- 2018 **Puric-Mladenovic, D.** *Neighbourwoods® Collector for ArcGIS App*. [User Manual].
- 2018 Kenney, W.A. and **Puric-Mladenovic, D.** 2018. *Neighbourwoods® community-based inventory system – Memento Data Collection App Installation and Use* [User Manual].
- 2015 **Puric-Mladenovic, D.** 2015. *Vegetation Sampling Protocol - Microsoft Access Data Entry and Management Program*.
- 2004 **Puric-Mladenovic, D.** and Kenney, W.A. 2004. *University of Toronto Urban Forest Management System* [Software and Program Update].
- 2003 Best Management Practices Database for the Raisin Region Conservation Authority, ON (Oct. 2003)
- 2001 **Puric-Mladenovic, D.** 2001. *for the City of Toronto sampling* [Software for data entry].
- 2001 Kenney, W.A., **Puric-Mladenovic, D.**, Rusak, D. and van Wassenar, P. 2001. *Moving from Planting Trees to Planning Forest* [CD]. A collection of urban forestry resources for community groups.
- 2000 **Puric-Mladenovic, D.** 2000. *Urban Forest Management System for the City of Kingston – Program Customization*.
- 2000 Kenney, W.A. and **Puric-Mladenovic, D.** 2000. *Neighbourwoods Community-based Inventory System* [Data Entry Software].
- 1999 Kenney, W.A. and **Puric-Mladenovic, D.** 1999. *Urban Forest Management System for the City of Kingston* [Software and Program Manual].
- 1998 Kenney, W.A. and **Puric-Mladenovic, D.** 1998. *Urban Forest Management System for the City of Thunder Bay* [Software and Program Manual].
- 1997 Kenney, W.A. and **Puric-Mladenovic, D.** 1997. *University of Toronto Urban Forest Management System* [Software data entry and reporting].
- 1996 Kenney, W.A. and **Puric-Mladenovic, D.** 1996. *Street Tree Inventory Program: Regional Municipality of York* [Software].
- 1996 Kenney, W.A. and **Puric-Mladenovic, D.** 1996. *Count Your Trees In – community-based inventory system* [Data Entry Software].

PUBLIC OUTREACH AND COMMUNITY INVOLVEMENT

Advice, knowledge sharing, and technology transfer

1. Provided Neighbourwoods® Training for community members and volunteers of LEAF - Local Enhancement & Appreciation of Forests (Toronto, May 26-28, 2017).
2. Advice and community walk for Landscape of Landmark Quality - Trees and Plantings Review as part of [the Landmark project: revitalizing the University of Toronto's historic core](#) (June 2017-present).
3. Tree mapping for Landscape of Landmark ([the Landmark project: revitalizing the University of Toronto's historic core](#)) Quality - Trees and Plantings Review (June 2017-January 2018)
4. Participated in the micro-documentary, "[Women Branching Out: A diversity of careers in arboriculture and urban forestry](#)" [Video], In YouTube, By Adrina Bardekjian and Fleming College, Ontario (July 23, 2018).
5. Participated in the LEAFs Young Urban Forest Leaders Program which provides hands-on experience in the field of urban forestry and community engagement, LEAF (Local Enhancement & Appreciation of Forests) (Toronto, September 17, 2017).
6. "[Women turn over new leaf in forestry](#)", in Metro Toronto, By Sarah-Joyce Battersby (March 30, 2017).
7. Knowledge sharing about the Urban Forest Inventory: Neighbourwoods© and VSP Information Booth, TCDSB EcoSchools Conference 2017 for students from 32 secondary schools in TCDSB, Etobicoke, Ontario (Toronto, April 5, 2017).
8. "[Growing an interest in urban forestry for Toronto women](#)", in Metro Toronto & metronews.ca. (March 30, 2017).
9. Supported the Citizen Forester program that empowers individuals with the knowledge on how to care for and protect trees and forest. The first group of citizens was trained on October 6, 2016, St. George Campus, University of Toronto, Toronto, Ontario.
10. "[Citizen Forester program empowers residents to protect Toronto's trees](#)", in City Centre Mirror, By Justin Skinner (November 08, 2016)
11. "[Citizen foresters take up the cause for Toronto's urban forest](#), in Metro News, By May Warren, (October 14, 2016)
12. "[Changes to tree bylaws need to be more specific: residents](#)", in THE AURORAN, By Brock Weir, Vol.13 No.18, Week of March 13, 2012 – 9.
13. "[Stresses on trees and forests](#)", Presentation to the Aurora Council, Tree cutting bylaw workshop organized by organized by RAYS and Save Aurora Trees, Town of Aurora (March 5, 2012).
14. Kenney, W.A. and Puric-Mladenovic, D. 2006. "[Neighbourwoods](#)", Canadian Trees, Vol. 2, No. 2, pp. 16-18.

Interviews

1. "[Tree huggers](#)", in the ON Nature Magazine, By Susan Grimbly (March 5, 2010).
2. Interviewed for Erra-Banner "[Changing face of forests](#)", The Regional Municipality of York, ON (March 14, 2004).
3. Interviewed for "[Trees are becoming endangered species](#)", in Markham Economist and Sun, Markham, ON (June 27, 2002).

Cited / refereed too

1. ["Growing T.O.'s tree love - Cabbagetown group planting the seeds of citizen forestry"](#), in Metro Toronto, By May Warren (October 14, 2016).
2. ["An Army of Tree Lovers: U of T's Faculty of Forestry is teaching Torontonians how to care for one of the city's most valuable resources – its trees"](#), in University of Toronto Magazine, By Scott Anderson (October 11, 2016).
3. ["ReLEAF's Citizen Forester Program Growing Trees from Seed"](#), in Cabbagetown Preservation Association Newsletter, Autumn 2016, volume 26, issue 2.
4. ["Long Branch Neighbourhood Association launches Neighbourhoods program"](#), in toronto.com (June 30, 2018).
5. ["Future Impacts of Having a Neighbourhoods® Inventory for Long Branch"](#), in the Long Branch Neighbourhood Association News (June 2018).
6. ["Volunteers to take inventory of Bloomfield's trees"](#), in The Picton Gazette (May 3, 2018).
7. ["Woodlot Conference – A Day in the Forest"](#), in Central Hastings News, Metroland East (October 31, 2013).
8. ["Local Wood Initiative aims to boost economy, reduce carbon"](#), in Central Hastings News, toronto.com, By Diane Sherman (February 18, 2016).
9. ["Our forests: Benefits and threats"](#), Trenton Woodlot Conference 2016, Hastings Stewardship Council (February 11, 2016).
10. ["Tree Project takes root in Leslieville and Riverdale"](#), in toronto.com (April 25, 2010).
11. ["Temperature rising: From the lush Carolinian zone in the south to the spectacular boreal of the north, climate change threatens to bring forest ecosystems to the brink of collapse"](#) by Douglas Hunter, Ontario Nature (November 29, 2010)
12. ["Trent-Severn Waterway Completes Vegetation Field Work"](#), vegetation sampling and modelling work publicized in the Trent-Severn Waterway Newsletter - Action for Habitat Health (Spring 2009).
13. Environment Hamilton. 2005. Kirkendall tree inventory results. Trees Count, Environment Hamilton Newsletter, Feb 2005 Issue.
14. Ambrosii, A.C. 2007. The Toronto District School Board: Setting an Example for Urban Forest Management. *"Community Experiences in Urban Forestry"*, Eastern Ontario Model Forest, Kemptville, Ontario, Vol. 1, pp. 18-19.
15. Cited in *"Forests destroyed by development: research"*, in The Liberal newspaper (May 11, 1999).

Popular writing

1. **Puric-Mladenovic, D.** 1994. Calendar of garden works during March and April. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.13. 45 p.
2. **Puric-Mladenovic, D.** 1994. Acacia sp. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.13. p. 45.
3. **Puric-Mladenovic, D.** 1994. Erica Flowers amidst winter. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.12. p.42.
4. **Puric-Mladenovic, D.** 1994. Acacia sp. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.12. p. 41.
5. **Puric-Mladenovic, D.** 1993. Winter maintenance of cypress trees. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.11. p.39
6. **Puric-Mladenovic, D.** 1993. Planting containerized Christmas trees. The power of nature - bi-weekly environmental magazine. Belgrade. No.11. p. 38.
7. **Puric-Mladenovic, D.** 1993. Fire bush in the middle of winter. The Power of Nature - bi-weekly environmental magazine. Belgrade. No.11. p. 39

Educational material for teachers and students

1. **Puric-Mladenovic, D.** (2005). [Pre-Settlement vegetation modeling in Algonquin Park](http://forests-settled-urban-landscapes.org/Presettlement/index.html), Ontario. Faculty of Forestry, University of Toronto. In: Examination paper and markscheme pack: November 2018 examination session DVD/USB and Digital Download [Digital Download, DVD, USB, PDF on a secure website]. Den Haag, The Netherlands: International Baccalaureate (IB) Publishing Ltd, March 2019. Available at: <http://forests-settled-urban-landscapes.org/Presettlement/index.html> (Accessed: 23 November 2018).
2. **Puric-Mladenovic, D.** (2005). [Pre-Settlement vegetation modelling in Algonquin Park](http://forests-settled-urban-landscapes.org/Presettlement/index.html), Ontario. Faculty of Forestry, University of Toronto. In: Environmental systems and societies standard level paper 1 November 2018 (individual PDF) [PDF on a secure website]. Den Haag, The Netherlands: International Baccalaureate (IB) Publishing Ltd, March 2019. Available at: <http://forests-settled-urban-landscapes.org/Presettlement/index.html> (Accessed: 23 November 2018).

COURSE DEVELOPMENT, TEACHING AND SUPERVISION

Graduate and undergraduate courses, Faculty of Forestry, University of Toronto

Graduate courses

FOR 3011-H, International Forest Conservation Field Camp - International Field Course (2018)

Developed an international forestry field course (a 12-day course) that covered diverse aspects of forestry education, research and practice in European and Serbian forestry. Topics covered include: ecological engineering, reforestation, seed collection and nursery production, reforestation, using forest to manage hydrology, landscape planning and conservation within cultural and historical context, landscape architecture and urban forestry, forest conservation and national parks, public education, non-timber forest products such as water quality, medicinal plants, human wellbeing, wellness tourism, wildlife and game management.

Professional Development Courses and Certificate in Forestry Studies Program - Urban Forest Conservation Planning: Urban and Cultural Landscapes (2013)

The set of three 12-week online courses (CUF400, CUF401 and CUF 403) was developed for a wide range of professionals who are working in urban and settled/cultural landscapes and dealing with forests and trees either directly or indirectly. The courses are aimed at professionals who are closely involved in urban and rural planning, biodiversity conservation, restoration, urban and rural forest management and planning, landscape planning, conservation planning, policy development or decision-making.

CUF400: Urban Forest Conservation

This course provides an extensive overview of urban forest conservation, planning and management. It covers the following topics: a) the history of urban development, forests and forestry; b) ecology, composition, structure and functions of urban forests; c) inventory and mapping methods to support strategic urban forest planning and management; d) social, cultural, policy and land-use planning aspects defining the urban forest; e) natural, environmental and social connections between urban and rural forests; f) establishment, planning and maintenance of the urban forest; and g) planning for green areas. The course topics examine forest characteristics and functions across urban areas of different sizes, and various land-uses within cities.

CUF401: Forest Conservation Planning in Cultural Landscapes

This course offers a comprehensive overview of forests and forestry as part of landscape and conservation planning in developed (settled) landscapes. It teaches students how to incorporate forests in conservation and land-use planning and how to identify priority forest conservation and restoration areas. Forests and forestry are discussed from a landscape planning perspective — including strategies used to retain and improve existing biodiversity elements, protect and enhance ecological functions, improve environmental benefits, enhance aesthetics, adapt to climate and other environmental changes, inform and guide land development and land use planning.

CUF403: GIS Field and Laboratory Methods Advanced Module

This course is designed to provide students with opportunities for hands-on development of specific skills either in the field or in a computer/GIS lab. Depending on the student's interest, field and GIS-lab methods may include a) urban forest inventory from single trees to woodlots; b) inventory information and methods of inventory data analysis; c) urban canopy and forest cover mapping; d) application of conservation planning tools.

Undergraduate Course at the School of Environment, Resources and Sustainability, Faculty of Environment, University of Waterloo

ERS 340: Ecosystem Assessment, Environment and Resource Studies (2014)

The environmental assessment course includes a 3-day vegetation sampling and monitoring component. The Vegetation Sampling Protocol is covered in a field setting and adapted to the needs of undergraduate and graduate students. It teaches students the advanced skills in the collection and analysis of vegetation and forest ecosystem data, sampling design, standardized vegetation sampling methodologies, vegetation inventory and monitoring techniques, fixed-area plot establishment, plant identification and soil sampling. Course topics are covered through lectures (10%), field demonstrations, training and hands-on exercises (90%).

Undergraduate Course, Landscape Architecture and Planning, Faculty of Forestry, University of Belgrade

Urban Dendrology (1989-1990)

Developed a four-hour weekly labs as part of a full year urban dendrology course. The lab included tree identification based on herbarium collection and outdoor activities. The course also comprises of week-long field trip. A practical test was developed to enable efficient marking and precise assessment of knowledge and skills in tree identification.

Professional Filed Courses

Vegetation Sampling Protocol Field Course (2005-present)

Developed a field (5 to 10-days) course geared towards forest and vegetation sampling, field data collection techniques and methods). Course topics include: sampling design, standardized vegetation sampling methodologies, vegetation inventory and monitoring techniques, fixed-area plot establishment, plant identification and nomenclature, tree measurements, environmental site description, soil sampling, rare species observations, field data recording and data management methods, navigating with high-accuracy GPS equipment, and field equipment operation and maintenance. Course topics are covered through lectures (10%), field demonstrations/training (20%) and hands-on exercises (70%).

Neighbourwoods® Field Course (2000-present)

Neighbourwoods® field training courses are based on the Neighbourwoods® Tree Inventory and Monitoring Protocol developed by Dr. A. Kenney and Dr. D. Puric-Mladenovic at the Faculty of Forestry, University of Toronto. It was developed as a comprehensive and standard tree inventory protocol to assist communities and professionals in collecting the tree information they need to strategically plan and manage their urban forests. Neighbourwoods® data have been used to support numerous research and scientific studies. Course topics include standardized urban tree inventory techniques, tree health condition assessment, tree identification and nomenclature, recording and mapping tree location, description and assessment of a site, tree measurements, field data recording and mapping methods.

ACADEMIC TEACHING

Faculty of Forestry, University of Toronto

Course Instructor

2018	FOR3011H: International Forest Conservation Field Camp (graduate two -weeks field course, May 2018)
2015-16	FOR418H1F & FOR1585H1: Urban Forest Conservation Field Camp (graduate and undergraduate two-weeks field course, May 2015-16)

2015-19	FOR3005S: Stresses in the Forest Environment/ co-teaching
2012	FOR416H1F: Urban Forest Conservation/ co-teaching
2011	FOR416H1F: Urban Forest Conservation, teaching

Course Instructor and Supervisor Directed Studies and Undergraduate Research Papers

Advanced Topics in Forestry I and II (FOR1900H and FOR1901H), Directed Readings - Undergraduate Research Paper (FOR403H1), Natural Resources Management I and II (FOR1413HF and FOR1413HS).

2019	FOR1413HS: Natural Resources Management II. Mapping and measuring urban tree canopy loss and changes through time (case study Long Branch community, Toronto). Jacqueline De Santis (MFC student), Winter 2019.
2019	FOR1900HF: Advanced Topics in Forestry II. The temperate forests of South-Central Chile, with emphasis on Ecology and dynamics of native forests and exotic tree plantations in the Nahuelbuta region. Francisco Albano Bucci Morales, (Ph.D. candidate), Winter, 2019.
2018	FOR1413HS: Natural Resources Management II. Citizen science, public involvement in inventory and monitoring. Mohamed Master (MFC student), Fall 2018.
2017	FOR403H1: Undergraduate Research Paper. Forest succession on abandoned agricultural fields in Eastern North America. Monika Strak (undergraduate student), Winter 2017.
2016	FOR1900HF: Advanced Topics in Forestry I. Urban forestry: community tree inventory and spatial analysis, Maria Toledo-Garibaldi (Ph.D. candidate), Fall 2016
2016	FOR1412HF: Natural Resources Management II. Sampling design for monitoring urban woodlots. Andrew Puchalski (MFC student), Fall 2016.
2016	FOR1413HS: Natural Resources Management II. Plant identification and visual database for the Rouge National Urban Park. Yu Ki Yung (MFC student), Summer 2016.
2016	FOR1901HS: Advanced Topics in Forestry II. Richard Dickinson (Ph.D. candidate), Summer 2016.
2016	FOR1412H: Natural Resources Management II. Plant functional traits relevant to Southern Ontario forests. Jenn Baici (MFC student), Winter 2016.
2016	FOR403H1: Undergraduate Research paper. The state of urban forests in southern Ontario: analysis and map of the urban forest survey. Maria al Zayat (undergraduate student), Winter 2016
2015	FOR1412HF: Natural Resources Management II. Quantifying landscape fragmentation in the Lake Simcoe Watershed. Dschankilic Christen (MFC student), Fall 2015.
2015	FOR1412HS: Natural Resources Management II. A comparative study evaluating the accuracy of spatial interpolation in predicting biomass in small woodlots. Stephine Muckle (MFC student), Winter 2015.
2013	FOR1412HF: Natural Resources Management II. Landscape characteristic and matrix influence on native vegetation - spatial analysis GIS measures, Noah Borges (MFC student), Fall 2013.
2013	FOR403H1: Undergraduate Research paper. Urban trees: winter identification and tree ecology, Michael Marcucci (undergraduate student), Winter 2013.
2012	FOR1412HF: Measures (GIS-based) of landscape fragmentation and their application to the Peel region area. Nathaniel Stanger (MFC student), Fall 2012.

Guest Lecturer

2013-18	FOR416H1F: Urban Forest Conservation
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2012-19	FOR3005S: Stresses in The Forest Environment
2012-19	FOR400: Advanced Seminar in Forest Conservation
2012-17	FOR418H1 & FOR1585H1 Urban Forest Conservation Field Camp
2012-13	FOR3004S: Forest Management Decision Support Systems
2012-18	FOR418H1F & FOR1585H1: Urban Forest Conservation Field Camp

Course Instructor Online Certificate Course (interactive course)

2012-13	CUF400: Urban Forest Conservation
2013-14	CUF401: Forest Conservation Planning in Cultural Landscape

Teaching Assistant (During Ph.D. Studies)

2003	FOR3004H: Forest Management and Decision Support Systems
2003	FOR3005H: Stresses in the Forest Environment
2001	FOR3002H: Applied Forest Ecology
2000-02	FOR301H1: Forestry and Forest Conservation Practices (2000/01 and 2001/02)
2000-01	FOR3006H: Case Study Analysis in Forest Management

Faculty of Environment, University of Waterloo

School of Environment, Resources and Sustainability - Course Co-Instructor

2014-18	ERS 340: Ecosystem Assessment. Teaching vegetation monitoring and field sampling component of the course Training for students of the summer Co-op program, University of Waterloo. Waterloo Summit Centre for the Environment, Huntsville, Ontario (2014-16)..
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Faculty of Forestry, University of Belgrade (Serbia), Landscape Architecture Department.

Lecturer

1992-94	Dendrology with silvics, forest and tree ecology and their applications to landscape design, planning and urban forest management (full-year undergraduate courses course). Responsible for all aspects of teaching and administering the course. Delivered two-hour lectures, four-hour labs each week during fall and spring semesters, organized field trips, evaluated tests and exams and co-supervised students on their final B.Sc. thesis.
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Course Instructor

1989-92	Dendrology with silvics, forest and tree ecology and their applications to landscape design, planning and urban forest management (full-year undergraduate courses course). Responsible for all for teaching practical dendrology lab (four hours a week), field course (seven days), designed and evaluated practical/ tree identification exams.
1991-92	Dendrology with silvics for foresters. Teaching dendrology lab and field course (full-year course).

Invited Lecturer

2017	Toronto's Canopy: How do we protect it; how do we grow it?. Lecture to Canadian Perspectives Lecture Series of the Senior Alumni Association, University of Toronto, November 8, 2017, Toronto, Ontario.
2016	Urban Ecology: with an Emphasis on Forests and Tre". Lecture to extra-curricular program students at Victoria College – Science in the Public Sphere, Victoria College, University of Toronto, October 6, 2016, Toronto, Ontario.

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| 2011 | Landscape and Conservation Planning in Southern Ontario. Lecture to the graduate students at the Faculty of Forestry, University of Toronto, March 31, 2011, Toronto, Ontario. |
| 2011 | Settled Landscapes. Taught to the graduate students at the Faculty of Forestry, University of Toronto, September 2011 Toronto, Ontario. |
| 2010 | Predictive Vegetation Modeling and Landscape Management and Planning. Lecture to the graduate students at the Faculty of Forestry, University of Toronto, January 2010, Toronto, Ontario. |
| 2009 | Forest in Settled Landscapes: Science and Application. Serbian Forests and Faculty of Forestry, University of Belgrade, Serbia Forests, Belgrade, June 2009, Serbia. |
| 2007 | Conservation in the Inhabited Landscapes of Southern Ontario. Lecture to the graduate students at the Faculty of Forestry, University of Toronto, November 2007, Toronto, Ontario. |
| 2006 | Landscape Management and Planning. Lecture to the graduate students at the Faculty of Forestry, University of Toronto, November 2006 Toronto, Ontario. |
| 2005 | Landscape Management: Concepts, Principles and Approaches. Lecture to the graduate students at the Faculty of Forestry, University of Toronto, December 1, 2005, Toronto, Ontario. |
| 2005 | Landscape Planning and Vegetation Restoration of the Oak Ridges Moraine. Lecture to undergraduate course (invited by Dr. R. Suffling) School of Planning, University of Waterloo, 2005, Waterloo, Ontario. |
| 2005 | Landscape Planning Concepts and Principles. Lecture to undergraduate course (invited by Dr. R. Suffling) School of Planning, the University of Waterloo (invited by Dr. R. Suffling), 2005, Waterloo, Ontario. |
| 2003 | Forests in Settled Landscapes. Lecture to Master of Forest Conservation (MFC) students, Faculty of Forestry, University of Toronto, March 10, 2003, Toronto, Ontario. |
| 2000 | Forest Fragmentation in Settled Landscapes. Lecture to Master of Forest Conservation (MFC) students, Faculty of Forestry, University of Toronto, March 7, 2000, Toronto, Ontario. |

SUPERVISION OF GRADUATE STUDENTS / RESEARCH SCHOLARS

Graduate Students

Doctoral/Ph.D. students

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| 2018-19 | Ph.D. Co-Supervisor of Bucchi-Morales, Francisco, Ph.D. Candidate, Department of Earth Sciences, University of Toronto. Active and passive processes of forest restoration in the Nahuelbuta region, southern Chile. Co-supervisor with Dr. S. Cowling (degree deferred). |
| 2015-pres. | Ph.D. Co-Supervisor of Toledo-Garibaldi, María, Ph.D. Candidate, Faculty of Forestry, University of Toronto. Urban biotopes and planning of green systems at the landscape scale in Mexico City. Enrolled in the program September 2015; Holder of a CONACYT Scholarship and IDRC Doctoral Research Award. Co-supervisor with Dr. S. Smith. |

M.Sc. students

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| 2018-pres. | MacDonald, Shannon, M.Sc. Candidate, Faculty of Forestry, University of Toronto. LiDAR-based modelling of biomass in urban woodlots. |
| 2017-pres. | Baird, Katherine, M.Sc. Candidate, Faculty of Forestry, University of Toronto. Floristic quality as a monitoring indicator of the quality of urban and peri-urban woodlots. |

Supervision of Master of Forest Conservation (MFC) Capstone Papers

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| 2018 | Reynoso Maldonado, Luis. Evidence-Based Management of Common Buckthorn (<i>Rhamnus cathartica</i> L.) in Urban Woodlots. |
| 2018 | Hoang, Thuyen. Oak Regeneration at Seven Urban Woodlots of Mississauga Ontario. |
| 2018 | Pita, Kathleen. Monitoring and Management of Invasive Species. |

- 2018 O'Brien, Jenna. Impacts of Urban Forest Structure on Bat Populations in Kitchener, Ontario, Canada.
- 2018 Master, Mohammed. Forest conservation on private lands.
- 2018 Yu, Qianli. *Neighbourwoods*: application for budgeting operational urban forest activities.
- 2018 Lammers, Amber-Lynne. Monitoring forest condition in Hamilton's natural areas.
- 2017 Rowcliffe, Megan. Using Coefficients of Conservatism to prioritize patches for natural area management in Kitchener, Ontario.
- 2017 Sathiyasiri, Artheez. [Beech Bark Disease in Ontario: Implications to Forest Structure and Composition](#) [online].
- 2017 Prevost, Glen. [Victoria Park Woodlot Management Plan, Cambridge, ON](#) [online].
- 2017 Das, Joy Kishore. Plant diversity in pine plantations in the Lake Simcoe watershed.
- 2017 Brodey, Laura. [Rare Vascular Plants in the Lake Simcoe Watershed: Planning, Prediction and Protection](#) [online].
- 2017 Hong, Ying. [The Habitat Preference of The Invasive Common Buckthorn in West Holland Sub-watershed, Ontario](#) [online].
- 2017 Chu, Tiffany. [Quantifying the Impact of Emerald Ash Borer and Ash Loss within the Lake Simcoe Watershed](#) [online].
- 2017 Yung, Yu Ki. [State of Urban Forest Policy and By-law across Ontario Municipalities](#) [online].
- 2016 Chavez, Elpidio. [Inventory of Available Spaces for Planting New Trees in the St. George Campus of the University of Toronto](#) [online].
- 2016 Scott, Joseph R.H. Silviculture: a tool for conservation.
- 2016 Young, Megan Alexandra. Tree condition and composition as a function of residential density in Coburg, Ontario.
- 2016 Martin, Pamela. Vegetation composition as monitoring criteria: management applications in the Lake Simcoe watershed.
- 2016 Barakat, Rebecca. [A Comparison of Aboveground Biomass Estimates from Different Allometric Formulas using Vegetation Sampling Protocol in Rouge National Urban Park](#).
- 2016 Yang, Yuqi. [Future of Ash genus \(*Fraxinus* spp.\) in Prospect Cemetery - A Management Plan](#).
- 2016 Thurston, Emma. Managing urban natural areas: a case study from Kitchener, Ontario.
- 2016 Dschankilic, Christen. Natural Heritage System planning: Is there more to learn?
- 2016 Pang, Steven. Assessing tree survivorship for the Toronto District School Board: potential benefits of tree maintenance.
- 2016 Ramkumar, Tania. Mapping the distribution and abundance of invasive *Rhamnus cathartica* and *Rhamnus frangula* to set conservation priorities in the city of Kitchener.
- 2015 Harding, Matthew. Developing a conceptual model for tree stewardship and maintenance for the Toronto District School Board.
- 2015 Chevalier, Daniel. Managing Mount Pleasant Cemetery as a multi-functional urban green space.
- 2015 Perry, Suzanne. An evaluation of coarse woody debris in Rouge National Urban Park.
- 2015 Bowley, Emma. Natural forest regeneration in Rouge National Urban Park (RNUP): What the future may hold.
- 2014 Poulat, Ricardo. Carbon offset markets towards conservation of peri-urban forests in southern Ontario.
- 2013 Borges, Noah. Influence of land-use disturbance on the distribution of invasive plant species in the Niagara Escarpment Plan area.
- 2012 Brouwer, Gina. [Cobourg's heritage canopy: preserving and celebrating significant trees](#).
- 2012 Stanger, Nathaniel. Vegetation gap analysis for the Region of Peel.
- 2012 Parzei, Stephanie. Rouge National Urban Park: Conservation Plan Strategy.

- 2012 Parkes, Steven. Vegetation criteria and indicators to assess forests within the Niagara Escarpment Plan.
- 2011 Day, Aaron N. Assessing forest inventory and monitoring information to support forest management and conservation planning in the Lake Simcoe watershed.
- 2011 Tremblay, Amanda. Woodlot management response plan for the City of Ottawa using ecological and social risk assessments for Emerald Ash Borer (*Agrilus planipennis*).
- 2011 Ali, Farhad. Measures of tree species diversity in the urban forest.
- 2011 Spyron, Suzanne. Projecting tree dimensions and age from tree diameter of Maple trees in the Town of Oakville.
- 2010 Marcin, Lewandowski. Landscape-scale assessment of the Oak Ridges Moraine Foundation-funded ecological restoration projects between 2003 and 2009. Call for better data reporting.
- 2010 Kalkowski, Izabela. An assessment of current forest-cover mapping practices in Southern Ontario: a case study in the Regional Municipality of York.
- 2009 Aslam, Shahwar. The application of pre-settlement vegetation mapping in the conservation of southern Ontario's landscapes: The perspective of practitioners and end-users.

Co-supervisor of Master of Forest Conservation (MFC) students

- 2018 Huang, Xiaoyu. How often to update tree inventory? Co-supervisor Dr. Krigstin, S.G.
- 2012 Craig, Allison. An Integrated Method for Quantifying Visitor Pressure on Urban Woodlands: the case of Oakville, Ontario.
- 2011 Jacobsen, Eric. Environmental governance and participatory ecology: The changing landscape of southern Ontario. Co-supervisor Dr. Thomas, S.C., Gee, K.

External Advisor and Internship Supervisor of Master of Forest Conservation (MFC) student

- 2008 MacIntosh, Alexander J.M. An assessment of vegetation mapping to support species at risk (SAR) recovery planning in southern Ontario. Supervisor Dr. Kenney, A.

Post-Doctoral Fellows

- 2017-18 Araya, Yikalo worked on modelling forest biomass and carbon stock across an urban-rural landscape combining, field data, spatial and remotely sensed information (Feb 2017-Aug.2018).
- 2013-14 Martin, Adam was involved in research related to natural cover monitoring and quality in the Lake Simcoe Watershed.

Research Assistants

- 2019 Dowely, Scott, a field team lead for natural areas sampling and monitoring in the City of Kitchener.
- 2019 Blainey, Ian a field team lead for natural areas sampling and monitoring in the City of Mississauga.
- 2019 Baird, Katherine, a field team lead for natural areas sampling and monitoring in the City of Toronto.
- 2018 Harness, Hunter Tess a field team lead for natural areas sampling and monitoring in the City of Guelph.
- 2016-19 Barakat, Rebecca, worked as a Research Assistant and a field team lead for natural areas sampling and monitoring in the City of Toronto (2019), the Rouge National Urban Park (2016), Lake Simcoe Watershed (2017) and the City of Kitchener (2018). She also worked on a collaborative project with the OMNRF and the University of Toronto on urban forest carbon projects, and an urban forest municipal database for Ontario and Canada.
- 2017-18 Yung, Yuki, Member of the VSP inventory and monitoring teams in Rouge National Urban Park (2016) and the City of Kitchener (2018). As part of Mitacs Accelerate fund, Yuki

- contributed to Canada's Urban Forestry Footprint project: Mapping the extent and intensity of urban forestry activities.
- 2017-19 MacDonald, Shannon, as a research assistant contributed to the mapping of the historical vegetation report for Rouge National Urban Park (RNUP) (2017), national urban forest carbon inventory (2017-18), carbon estimates (2018) for the university of Toronto properties, and natural areas sampling and monitoring in the City of Kitchener (2018).
- 2016-18 Baird, Katherine, Member of the VSP Lake Simcoe Watershed Natural Vegetation Cover Monitoring project (2016-17). She assisted with the Natural areas in the City of Guelph report, and analysis, and also contributed to the mapping of the historical vegetation report for Rouge National Urban Park (RNUP) (2017) and carbon estimates (2018) for the university of Toronto properties.
- 2015-16 Araya, Yikalo worked on quantifying and analyzing vegetation change for the Niagara Escarpment region (Nov.2015-Dec.2016).
- 2017 Richard Dickson, a field team lead for natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Martin, Pamela, a field team lead for natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Harness, Hunter Tess a field team lead for natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Scott, Dowely, crew assistant for natural areas sampling and monitoring in the Lake Simcoe Watershed
- 2017 Zhou, Angela, a field team lead for natural areas sampling and monitoring in the City of Kitchener.
- 2017 Crawford, Corey, a field team lead for natural areas sampling and monitoring in the City of Cambridge.
- 2016 Harness, Hunter Tess crew assistant for natural areas sampling and monitoring in the City of Cambridge.
- 2015-17 Wisniowski, Catherine. Member of the VSP Lake Simcoe Watershed Natural Vegetation Cover Monitoring project conducting vegetation field inventory and monitoring. Catherine also assisted with database management, landowner contact, project management, report writing and editing.
- 2014-17 Ramkumar, Tania. Member of the VSP inventory and monitoring teams for the City of Kitchener (2015, 2016) and the Lake Simcoe Watershed Natural Vegetation Cover Monitoring project (2017). Tania also assisted with editing the VSP manual and website, data verification, landowner contact and invasive plants literature review.
- 2015 Biroac, Aleks contributed to a literature review pertaining to forest conservation research initiatives in settled and urban landscapes. He also helped with updating the Neighbourwoods[®] inventory and monitoring protocol.
- 2014-15 Sorka, Olivia worked on project coordination and planning for the Lake Simcoe Watershed Natural Vegetation Cover Monitoring project. Olivia also assisted with the VSP manual and VSP field forms formatting and editing.
- 2014-15 Metcalfe, Emily worked on a collaborative project with the OMNRF and the University of Toronto related vegetation sampling and forest carbon projects, and an urban forest municipal database for Ontario and Canada.
- 2014 McKenzie, Annie was in charge of landowner contact, picture project activities for the Lake Simcoe Watershed Natural Vegetation Cover Monitoring project.
- 2013-14 Spyron, Suzanne assisted with literature review about forest conservation research initiatives in settled and urban landscapes. Susan also contributed to the 'Successful approaches for landowner contact and partnership: Natural cover monitoring for the Lake Simcoe watershed' (2017) report.

- 2011 Kalkowski, Izabela assisted with literature review and reference management about forest conservation research initiatives in settled and urban landscapes.
- 2008 Morrison, Heather. Test VSP tree measurements for biomass estimates.

MFC student internships, student Interns, visiting scholars

Master of Forest Conservation Internship Supervision

- 2019 Shakespeare, Matthew. Natural areas sampling and monitoring in the City of Kitchener.
- 2019 Rimsa, Rakika T. Natural areas sampling and monitoring in the City of Mississauga ON.
- 2019 Ricketts-Moncur, Graham. Natural areas sampling and monitoring in the City of Toronto.
- 2019 Goyal, Mamta. Natural areas sampling and monitoring in the City of Toronto.
- 2019 Cardoso, Jenna. Tree inventory for Loretto Maryholme -retreat, Roches Point, ON
- 2018 De Santis, Jacqueline M. Neighbourwoods tree inventory – Long Branch, Toronto.
- 2018 Maldonado, Luis Fernando Reynoso. Natural areas sampling and monitoring in the City of Guelph.
- 2018 Hoang, Thuyen. Natural areas sampling and monitoring in the City of Mississauga Ontario.
- 2018 Panwar, Vishakha. Natural areas sampling and monitoring in the City of Mississauga Ontario.
- 2018 Pita, Kathleen. Natural areas sampling and monitoring at Camp Scugog, Durham Region, ON.
- 2018 O'Brien, Jenna. Natural areas sampling and monitoring in the City of Kitchener.
- 2018 Master, Mohammed. Natural areas sampling and monitoring a private woodlot in Lanark, ON.
- 2018 Yu, Qianli. Neighbourwoods tree inventory and VSP in Sunnybrook Hospital.
- 2018 Kuitenbrouwer, Peter. Neighbourwoods tree inventory and VSP in Sunnybrook Hospital.
- 2017 Rowcliffe, Megan. Natural areas sampling and monitoring in the City of Kitchener
- 2017 Prevost, Glen. Natural areas sampling in [Victoria Park and Portuguese Swamp, Cambridge, ON.](#)
- 2017 Sathiyasiri, Artheez. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Das, Joy Kishore. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Brodey, Laura. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Hong, Ying. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2017 Chu, Tiffany. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2016 Yung, Yu Ki. Natural areas sampling and monitoring in the Rouge Federal Urban Park.
- 2016 Chavez, Elpidio, Neighbourwoods and a [available planting space inventory in the St. George Campus, University of Toronto.](#)
- 2016 Scott, Joseph R.H. Natural areas sampling and monitoring in the City of Kitchener
- 2016 Young, Megan Alexandra. Neighbourwoods tree inventory in Coburg, Ontario.
- 2016 Martin, Pamela. Natural areas sampling and monitoring in the Lake Simcoe Watershed.
- 2016 Barakat, Rebecca. Natural areas sampling and monitoring [in the Rouge National Urban Park.](#)
- 2015 Thurston, Emma. Natural areas sampling and monitoring in the City of Kitchener.
- 2015 Pang, Steven, Neighbourwoods tree inventory in the Toronto District School Board.
- 2015 Ramkumar, Tania. Natural areas sampling and monitoring in the City of Kitchener
- 2015 Harding, Matthew. Neighbourwoods tree inventory in the Toronto District School Board.
- 2015 Perry, Suzanne. Natural areas sampling and monitoring [in the Rouge National Urban Park.](#)
- 2015 Bowley, Emma. Natural areas sampling and monitoring [in the Rouge National Urban Park.](#)
- 2014 Poulat, Ricardo. Forest sampling and monitoring in the Lake Simcoe Watershed.
- 2014 Pansis, Gilles. Forest sampling and monitoring on the Georgina Island, ON.
- 2013 Borges, Noah. Data management of the historical sampling for the Niagara Escarpment plan area.
- 2012 Brouwer, Gina. Neighbourwoods tree inventory in Coburg, Ontario.
- 2012 Stanger, Nathaniel. Historical vegetation information digitizing and mapping.

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| 2012 | Parkes, Steven. Re-sampling and monitoring forests within the Niagara Escarpment Plan. |
| 2011 | Day, Aaron N. Testing VSP, natural areas sampling and monitoring in the Lake Simcoe Watershed. |
| 2011 | Jacobson, Eric. Testing VSP, natural areas sampling and monitoring in the Lake Simcoe Watershed. |
| 2010 | Marcin, Lewandowski. Standardizing restoration activities and mapping restoration areas (2004-2010) on the Oak Ridges Moraine. |
| 2009 | Aslam, Shahwar. Historical and pre-settlement vegetation literature review and reference management. |
| 2008 | MacIntosh, Alexander J.M. Testing VSP, natural areas sampling and monitoring in southern Ontario and Toronto. |

Supervision of Student Interns/Visiting Scholars

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| 2014 | Bruno Somensari Dallegrave Góes. Visiting undergraduate forestry student from Brazil. As part of the Science without Borders (SwB) / Ciência sem Fronteiras (CsF) Student Research Placement program, a nationwide student scholarship initiative from the Brazilian government to support the collaborative study of science, technology and innovation, May 19 to August 25, 2014. |
| 2014 | Renata Aguayo Lopes da Silva. Visiting undergraduate forestry student from Brazil. As part of the Science without Borders (SwB) / Ciência sem Fronteiras (CsF) Student Research Placement program, May 7 to August 15, 2014. |
| 2012 | Markus Hohl, Exchange Graduate Student from Germany. Internship on the Niagara Escarpment – Field Sampling using Vegetation Sampling Protocol. |

EXAMINATION COMMITTEES, FACULTY OF FORESTRY, UNIVERSITY OF TORONTO

Ph.D. Thesis Committee Member

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| 2013-pres. | Sivarajah, Sivajanani. Research Project: Schoolyard trees improve learning and mediate ultraviolet radiation for children. |
| 2013-pres. | Dickinson, Richard. Research Project: Mechanisms of invasion by dog-strangling vine (<i>Vincetoxicum rossicum</i>) in Ontario. |

M.Sc. Thesis Committee Member

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| 2018-pres. | Maloney, Jamie. Research Project: Use of insect communities from window-pane traps to test the sustainability of forest management in northern temperate hardwood forests. |
| 2015 | Sywenky, Alexandra. Research Project: Impacts of Emerald Ash Borer-induced tree mortality on understory communities in urban, agricultural and forested landscapes (degree not completed) |
| 2011-15 | Apostoli, Melissa Ashley. Research Thesis: Thirty to fifty Years of change in forests of the Western Lake Ontario Region. |
| 2006-08 | Patterson, Jesse Eric-Henry. Research Thesis: Forest fragmentation effects and the cavity nest material requirements of northern flying squirrels and red squirrels in a fragmented secondary hardwood forest region of Ontario, Canada. |

External Examiner, Ph.D. Departmental Qualifying Oral Examination

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| 2017 | Gaudon, Justin. Ph.D. Departmental Qualifying Examination. Thesis: Natural Enemies of Wood-boring Beetles in Northeastern Temperate Forests and Implications for Biological Control of the Emerald Ash Borer (<i>Coleoptera: Buprestidae</i>) in North America. |
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- 2016 DeJonge, Rhoda Bernadette. Ph.D. Departmental Qualifying Examination. Thesis: Examining host specificity of *Chrysochus* spp. (Coleoptera: Chrysomelidae) to inform management of invasive dog strangling vine *Vincetoxicum rossicum* (Apocynaceae).
- 2014 Mustari, Shabnam. Ph.D. Departmental Qualifying Examination, June 16, 2014 (second attempt). Thesis: Valuing changes in diversity attributes of private forest land in southern Ontario.
- 2015 Dickinson, Richard. Ph.D. Departmental Qualifying Examination. Thesis: Mechanisms of invasion by dog-strangling vine (*Vincetoxicum rossicum*) in Ontario.
- 2013 Mustari, Shabnam. Ph.D. Departmental Qualifying Examination, November 6, 2013 (first attempt). Thesis: Valuing changes in diversity attributes of private forest land in southern Ontario.
- 2013 Dickinson, Richard. Transfer exam from MSc to Ph.D., October 2013.

External Examiner, Ph.D. Departmental Oral Examination

- 2018 Gaudon, Justin. Ph.D. Departmental Oral Examination on October 11, 2018. Thesis: Natural Enemies of Wood-boring Beetles in Northeastern Temperate Forests and Implications for Biological Control of the Emerald Ash Borer (Coleoptera: Buprestidae) in North America.
- 2017 DeJonge, Rhoda Bernadette. Ph.D. Departmental Oral Examination on September 28, 2017. Thesis: Examining host specificity of *Chrysochus* spp. (Coleoptera: Chrysomelidae) to inform management of invasive dog strangling vine *Vincetoxicum rossicum* (Apocynaceae).

External Examiner, Ph.D. Final Oral Examination

- 2019 Gaudon, Justin. Ph.D. Final Oral Examination on January 25, 2019, and Ph.D. Departmental Oral Examination on. Thesis: Natural Enemies of Wood-boring Beetles in Northeastern Temperate Forests and Implications for Biological Control of the Emerald Ash Borer (Coleoptera: Buprestidae) in North America.
- 2017 DeJonge, Rhoda Bernadette. Ph.D. Final Oral Examination on November 30, 2017. Thesis: Examining host specificity of *Chrysochus* spp. (Coleoptera: Chrysomelidae) to inform management of invasive dog strangling vine *Vincetoxicum rossicum* (Apocynaceae).

Chair of Ph.D. Qualifying Departmental Examination Committee

- 2017 Gaudon, Justin. Qualifying Examination. Research Project: Natural Enemies of Wood-boring Beetles in Northeastern Temperate Forests and Implications for Biological Control of the Emerald Ash Borer (Coleoptera: Buprestidae) in North America.
- 2016 Chen, Heyu. Ph.D. Qualifying Examination, September 27, 2016.
- 2015 Sivarajah, Sivajanani. Ph.D. Qualifying Examination (first attempt), November 25, 2015.

ADDITIONAL CONTRIBUTIONS AND STUDENT SUPPORT

Neighbourwoods® (A. Kenney and D. Puric-Mladenovic) contributions to Master of Forest Conservation (MFC) students capstone papers and internships

- 2018 Thacker, Mallory. LEAF's Adopt-a-Street-Tree Program.
- 2018 Gong, Zhuoran. The impact of emerald ash borer in the core of Toronto, comparison between community and institution.
- 2018 Tran, Truc. Assessing the success of a pilot tree planting project in three low-income communities in Toronto.
- 2018 Kuitenbrouwer, Peter. Can forest medicine cure Canada's busiest hospital? (co-supervision of MFC Internship).
- 2017 Dowell, Kimberly. Assessing Adopter Experience and Tree Health for Local Enhancement & Appreciation of Forest (LEAF)'s Adopt-A-Street-Tree Program in the City of Toronto.

- 2013 Herridge, Janise Elizabeth. Is community input helpful for restoring natural spaces on a university campus?: a case study of York University, Toronto, Canada.
- 2013 Nepal, Ram Chandra. Ash tree removal from Toronto District School Board (TDSB) properties: Impacts on canopy coverage and its recovery strategy.
- 2013 Moore, Lisa. Protective tree cages and tree health within the Toronto District School Board.
- 2013 Boyko, Dimitrii. Planting location effects in relation to the health of Fraxinus species in the city of Toronto, ON.
- 2013 Gong, Yanquan. Improving urban forest diversity in the face of invasive EAB: University of Toronto St. George campus case study.
- 2012 Brouwer, Gina. Coburg's heritage canopy: preserving and celebrating significant trees.
- 2012 Zhou, Xin. The EAB Management Program and its comparison with i-tree streets and the CTLA approach.
- 2012 Melamed, Sarah. Cover your ash! Community Ash tree management in the face of EAB.
- 2012 Rocca, Leopoldo. The urban forest of York University: a preliminary assessment of canopy structure in Keele campus.
- 2011 Pitek, Andrew Peter. The Trees of the Toronto District School Board: An urban forest strategic management plan to developing a carbon project.
- 2009 Suksagar, Amanda. *Is neighbourhood wealth within the Toronto area a barrier to greenspace use?*
- 2009 Volz, Brian. *Exploring applications of a tree inventory database as a tool for the Toronto District School Board Grounds Division.*
- 2008 Potts, Louise. *Neighbourhoods: Inventory Protocol or Strategic Management Planning Tool?: An Assessment of Community Implementation in Southern Ontario.*
- 2007 Kragh Keller, Julie. *Strategic Urban Forest Management Plan for Harbour Village, Toronto.*
- 2007 McAuslan, J. Angus B. *Exploring the socioeconomic, school board, and school specific factors affecting the urban forest on properties of the Toronto District School Board.*
- 2006 Suh, Franklin. *Hidden treasure of the Toronto District School Board: the trees.*
- 2004 Ambrosii, Adrina Caroline Bardekjian. *Tree inventory management plan for the Toronto District School Board.*
- 2000-present Neighbourwoods® urban forest inventory trainings to Master of Forest Conservation (MFC) students, Faculty of Forestry, University of Toronto.

Neighbourwoods® (A. Kenney and D. Puric-Mladenovic) methods, protocol and data (only several selected contributions listed)

- 2018 Tree species from the Neighbourwoods tree inventory data sets used to support Sivarajah S Ph.D. (paper Sivarajah S, Smith S.M., Thomas, S.C. 2018. Tree cover and species composition effects on academic performance of primary school students. PLOS ONE 13(2): e0193254. doi: 10.1371/journal.pone.0193254.).
- 2018 Bowley, E., Graziano, A., Nattoji, N. and Perry S. Playter Urban Forest Management Plan. Prepared for the Playter Area Residents' Association (PARA). Faculty of Forestry, University of Toronto.
- 2008 He, Ziya. Delivering the Ontario elementary curriculum on school grounds: using trees and other natural features for environmental education.

- 2004 Podolsky, Liat. Species Diversity and Age Class Structure: University of Toronto's Urban Forest.
- 2004 Irvine, Todd James. Conducting a street inventory with GPS technology: lessons learned from a pilot study.

Other Research Support

- 2015 Provided statistical support and guidance in urban forest ecology for: Apostoli, M. A. (M.Sc. Candidate). *Thirty to Fifty Years of Change in Forests of the western Lake Ontario region*. Faculty of Forestry, University of Toronto. ProQuest Dissertations Publishing, 10158297.
- .2007 Provided support with statistics and model development for: Hogg, A.R. and Todd, K.W. *Automated Discrimination of Upland and Wetland Using Terrain Derivatives*. Canadian Journal of Remote Sensing, Vol. 33, Suppl. 1, pp. S68-S83, 2007. doi: 10.5589/m07-049.
- 1999 Provided support in GIS ArcView for: Duffy, N.M. (M.Sc. Candidate), *Design Limitations to Potential Leaf Area in Urban Forests*. Faculty of Forestry, University of Toronto.

PROFESSIONAL TEACHING, TRAININGS AND COURSES

Field sampling, monitoring and inventory methods

Course Instructor

Neighbourwoods®

- 2000-pres. Neighbourwoods® urban forest inventory training for professionals and community groups. Estimated over 300 professionals, volunteers and students trained.

Vegetation Sampling Protocol (VSP)

- 2005-19 Vegetation Sampling Protocol Training to support Natural Cover Inventory and Monitoring. Training held in collaboration between Faculty of Forestry, University of Toronto and Ministry of Natural Resources and Forestry (OMNRF). Estimated about 600 professionals, volunteers and students trained.
- 2013 [Vegetation Sampling Protocol \(VSP\) training tailored to the Seneca College instructors. \(May 2013\).](#)

A certified Marxan course instructor (certified by University of Queensland, Australia and PacMARA -the Pacific Marine Analysis and Research Association).

- 2015 Marxan training for graduate students, Faculty of Forestry, University of Toronto, Toronto, Ontario.
- 2015 *Landscape and Green Systems Planning using Marxan*. The Introduction to Marxan course for the U.S. Fish and Wildlife Service Landscape Conservation Cooperatives: U.S. Fish & Wildlife Service. Shepherdstown, West Virginia, February 4, 2015.
- 2011 *Landscape and Natural Heritage Systems (NHS) planning*. Marxan for Managers (and other Decision Support Tools) Workshop, University of Kent, Canterbury, United Kingdom, July 4-6, 2011.
- 2011 The Introduction to Marxan Course, Faculty of Forestry, University of Toronto, Toronto, Ontario, December 13-14, 2011.
- 2010 The Introduction to Marxan Course, Faculty of Forestry, University of Toronto, Toronto, Ontario, December 16-17, 2010.
- 2010 *Landscape and Natural Heritage Systems (NHS) planning using MARXAN*. PacMARA - Marxan Workshop and Training, Ottawa, Canada, July 7, 2010.

PUBLIC EDUCATION AND TRAINING

Neighbourwoods® community outreach and urban forest inventory hands-on training. Training lead or co-lead with W.A. Kenney.

- 2019 Hands-on (two days) training for the Long Branch Neighbourhood Association and volunteers, St. George Campus, Toronto, Ontario (June 2019).
- 2018 Hands-on (two days) training for the Long Branch Neighbourhood Association and volunteers, St. George Campus, Toronto, Ontario (May 2018)
- 2018 Neighbourwoods® urban forest inventory training for the Town of Bloomfield, Prince Edward County, Ontario (June , 2018).
- 2017 Neighbourwoods® urban forest inventory training for a team of students from Faculty of Forestry, the University of Toronto under the [2017-18 HVRA Re-inventory Initiative, Harbord Village Residents' Association \(HVRA\)](#).
- 2013-16 Neighbourwoods® Tree Inventory Training. St. George Campus, University of Toronto, Ontario.
- 2010 Hands-on (two days) Neighbourwoods® Tree Inventory Training for community groups and volunteers in Riverdale, Toronto, Ontario (May 29-30, 2010).
- 2001 Workshop on 'Neighbourwoods: Moving from Planting Trees to Planning Forest', Black Creek Pioneer Village, September 29, 2001 Toronto, Ontario. Co-lead with Dr. Kenney, W.A. and van Wassenauer, P.

Other Public Education's Contributions

Puric-Mladenovic, D. (2005). [Pre-Settlement Vegetation Modeling in Algonquin Park](#), Ontario. Faculty of Forestry, University of Toronto. In: *Examination paper and markscheme pack: November 2018 examination session DVD/USB and Digital Download* [Digital Download, DVD, USB, PDF on a secure website]. Den Haag, The Netherlands: International Baccalaureate (IB) Publishing Ltd, March 2019. Available at: <http://forests-settled-urban-landscapes.org/Presettlement/index.html> (Accessed: 23 November 2018).

Puric-Mladenovic, D. (2005). [Pre-Settlement Vegetation Modeling in Algonquin Park](#), Ontario. Faculty of Forestry, University of Toronto. In: *Environmental systems and societies standard level paper 1 November 2018 (individual PDF)* [PDF on a secure website]. Den Haag, The Netherlands: International Baccalaureate (IB) Publishing Ltd, March 2019. Available at: <http://forests-settled-urban-landscapes.org/Presettlement/index.html> (Accessed: 23 November 2018).

SECURED RESEARCH FUNDING AS LEAD APPLICANT / PRINCIPAL RESEACHER

2019-2020	Woodlot monitoring in Mississauga, <i>City of Mississauga</i> (\$22,600)
2019-2020	Vegetation monitoring and novel ecosystems, <i>City of Kitchener</i> (\$24,923).
2019-2020	Quality of natural areas and ravine forests in the City of Toronto, <i>City of Toronto</i> (\$50,000)
2018-2019	Carbon stock and sequestration from trees on University of Toronto properties (\$4,500), <i>University of Toronto - Facilities & Services</i> .
2018-2019	Canada's urban forest carbon inventory: assessing land use stratification approaches, <i>Tree Canada</i> (\$18,000)
2018-2019	MITCS Mitacs Career Connect (\$10,000)
2018-2019	Woodlot monitoring in Mississauga, <i>City of Mississauga</i> (\$16,560)
2018-2019	Natural areas monitoring in the City of Guelph, <i>City of Guelph</i> (\$23,523).
2015-2019	Vegetation monitoring and novel ecosystems, <i>City of Kitchener</i> (four years project. \$100,900).
2017-2018	Ontario Land Use Carbon Inventory – Settled Lands, <i>Ontario Ministry of Natural Resources and Forestry (OMNRF)</i> , Policy Branch (\$63,000)
2017-2018	Canada's urban forest inventory and carbon stock estimation: improvements to the existing methodology, <i>Environment Canada and Tree Canada</i> (\$30,760)
2017-2018	MITCS Mitacs Career Connect (\$10,000).
2017-2018	Baseline condition of natural cover in the Lake Simcoe Watershed, <i>Ontario Ministry of Natural Resources and Forestry (OMNRF)</i> , Regional Operation Division (\$300,000)
2016-2019	Forest biomass and carbon modelling for the Lake Simcoe Watershed, <i>Lake Simcoe Conservation Authority</i> (\$36,000)
2017-2018	Woodlot monitoring in Cambridge, <i>City of Cambridge</i> (\$22,000)
2017-2018	Measuring Canada's Urban Forest Footprint <i>Mitacs Accelerate</i> and <i>Tree Canada</i> (\$15,000).
2015-2018	The Niagara Escarpment Re-Inventory Analysis & Lake Simcoe Protection Plan terrestrial biodiversity monitoring, <i>Ontario Ministry of Natural Resources and Forestry (OMNRF)</i> , Science and Research Branch (\$37,500).
2016-2017	Integrative multipurpose sampling design to support natural cover monitoring in the Rouge National Urban Park, <i>Parks Canada</i> (\$ 14,965).
2016-2017	Ash monitoring in natural areas and EAB impact on Ash population in natural areas, <i>City of Guelph</i> (\$34,000).
	Puric-Mladenovic, D. and Baird, K. 2017. <i>Natural Areas Monitoring in the City of Guelph: Emerald Ash Borer impact on Ash populations in natural areas</i> . 76pp. [report] Retrieved from

	2016-2017	Natural Resources Canada, Green Jobs Initiative (support for Catharine Wisnowski (\$10,000)
2017-2018		Forest carbon modelling for the Lake Simcoe watershed, Ontario Ministry of Environment and Climate Change (MOECC) (\$69,000)
2016-2017		Scaling up of the site-level monitoring information in the Lake Simcoe Watershed, Ontario Ministry of Natural Resources and Forestry (OMNRF) (\$90,000). Puric-Mladenovic, D. (2016). Lake Simcoe Watershed Natural Vegetation Cover Monitoring Program. In <i>Forests in Settled & Urbanized Landscapes</i> [Webpage].
2015		Quantifying forest carbon offsets in southern Ontario: potential applications of existing inventory and monitoring protocols, <i>Ontario Ministry of Natural Resources and Forestry (OMNRF), Peterborough</i> (\$4,520).
2012-2016		Design of a site-level terrestrial monitoring strategy for the Lake Simcoe Watershed defining high quality natural cover, <i>Ministry of the Environment and Climate Change (MOECC)</i> (\$250,000)
2014		Lake Simcoe Region Conservation Authority and Chippewas of Georgina Island. Funds for MFC internship (\$ 5,000)
2013-2014		Historical landscape and vegetation of the Region of Peel, <i>the Region of Peel</i> (\$24,000).
2013-2014		Georgina Island Forest Sampling, <i>Lake Simcoe Region Conservation Authority</i> (\$5,000)
2013		Forest change over time: Niagara Escarpment, <i>Niagara Commission</i> (\$6,000).
2011-2012		Invasive Species Monitoring, <i>Invasive Species Centre Partnership Fund, Invasive Species Centre</i> (\$50,000). Puric-Mladenovic, D. et al. (2012). Towards improved understanding of the distribution and abundance of invasive plant species in southern Ontario Forests . Ontario Ministry of Natural Resources and Forestry (OMNR).
2012		Butternut digital data mining in eastern Ontario, <i>Forest Genes Conservation Ontario</i> (\$19,000)
2011-2012		Forest Resampling on the Niagara resampling, Niagara Escarpment Bio-Sphere (estimated \$ 30,000)
2010-2011		Forest offsets pilots on Ontario private lands, <i>Ontario Ministry of Natural Resources</i> (\$35,000).
2010		Performance measures and analysis of stewardship and restoration accomplishments on the Oak Ridges Moraine, <i>Oak Ridges Moraine Foundation</i> (\$24,240)
2009-2010		Bruce Peninsula biomass modelling, Parks Canada (\$30,000). Puric-Mladenovic, D. and Clark. G. (2010). Predictive modeling and mapping of biomass and carbon for Eco-district 6E-14. Faculty of Forestry, University of Toronto. In <i>Forests in Settled & Urbanized Landscapes</i> [Webpage].
2009		Quantifying and mapping biomass and carbon from southern Ontario forests, <i>Ministry of Natural Resources</i> , (\$28,000)

- 2009 Allometric formulas for biomass estimates. Fund for student internship by *Ministry of Natural Resources*, (\$7,000)
- 2008-2009 Predictive modeling 6e10-St. Lawrence Islands National Park, Parks Canada (\$30,000).
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