

















Wednesday, November 25th


Newfoundland Standard Time (GMT-3:30)





09:30	<p>Supporting Resilient Communities Workshop A Introduction to Web-based GIS with Municipal Examples Esri Canada</p> 	<p>Supporting Biodiversity Resilience Workshop A Introduction to Desktop GIS with Conservation Examples Laura King</p> 
10:15	Break	
10:30	continued	continued
11:15	Break	
11:30	continued	continued
12:30	Break	
12:45	<p>Technical Primer Drone Photogrammetry Drone to Business</p> 	
13:45	Break	
14:00	<p>Supporting Resilient Communities Workshop B GIS and Asset Management: Smarter Mapping - Better Decisions Municipalities NL, College of the North Atlantic</p> 	<p>Supporting Biodiversity Resilience Workshop B Introduction to the Google Earth Engine Platform with Real-world Environmental Examples C-CORE</p> 
14:45	Break	
15:00	continued	continued
15:45	Break	
16:00	continued	continued
17:00	Adjourn	
19:30	<p>Greetings Canadian Institute of Geomatics</p>	
19:40	<p>Keynote Map of Biodiversity Importance: A Collaborative Effort to Identify the Places Most Important for Conserving At-risk Species Healy Hamilton, Chief Scientist, NatureServe</p> 	
20:20	Adjourn	




Thursday, November 26th

Newfoundland Standard Time (GMT-3:30)		
08:30	Presentations - Technology 	Presentations - Planning 
09:50	Break	
10:10	Panel Discussion - Emergency Management 	
11:00	Break	
11:20	Presentations - Interpretation 	Presentations - Community 
12:40	Break	
13:00	Presentations - Modeling 	Presentations - Protection 
14:20	Break	
14:40	Keynote No Humans in the Loop: How Machine to Machine Processing is Revolutionizing Remote Sensing and Geomatics Joel Cumming, Chief Technology Officer, SkyWatch 	
15:20	Break	
15:40	Presentations - Stewardship 	Presentations - Responding 
17:00	Adjourn	

Presentations

Session	Speaker	Affiliation	Title
Technology 	Foster, Burns	Teledyne Caris	Deep Learning for GeoSpatial AI: Land and Water
	Nemani, Shreya	Marine Institute	Predicting the Distribution of Coastal Benthic Communities in Placentia Bay, Newfoundland and Labrador
	Noseworthy, Gerard	C-CORE	Modernizing the discoverability and interoperability of geospatial data using STAC
	Ruttgaizer, Ryan	Fugro	Machine Vision and Augmented Reality for Modern Subsea Positioning

Planning 	Cooper, Tom	Memorial University	The Design, Funding, and Management of Infrastructure in Local Municipalities: Using Data to Develop Better Strategies
	McGrath, Heather	Canada Centre for Mapping and Earth Observation	Influence of policy implementation on population change in Calgary floodplain (1971-2016)
	Padilla Ruiz, Marta	Teledyne Caris	Could DGGS be the 'Geomatics' answer to a resilient future?
	Parewick, Kathleen	Municipalities Newfoundland and Labrador	Unlocking Municipal Potential: On the Power of Data
Interpretation 	Belanger, David	Canada Centre for Mapping and Earth Observation	Make a detailed 3D representation of the country available to Canadians
	De Lisle, Daniel	Canadian Space Agency	RADARSAT Constellation Mission serving Canadians
	Gates, Zachary	Memorial University	Improving Spatial Scalability of Boreal Forest Soil Investigations Using Optimized Ground Penetrating Radar (GPR) Methodology
	McKittrick, David	Blue Marble Geographics	Change Detection using Point Cloud Data
Community 	Greig, Mitchell	University of Calgary	Tracking Barbarians: GIS in Ancient History
	Keefe, Jude	University of Guelph	Mapping Circular Food Systems: Visualizing Food Assets in a Proof-of-Concept GIS Data Model for Waste Reclamation towards a Circular Food Economy in Wellington County, ON, and Annapolis Valley, NS
	Kingdon, Robert	University of New Brunswick	Embracing Remote Learning at UNB
	Werle, Dirk	Ærde Environmental Research	Early 1920s Vertical Air Photo Missions in the Maritimes: History, Coverage, and Usefulness a Century Later
Modeling 	Alleosfour, Ahmadreza	University of New Brunswick	Modelling the Baroclinic Conditions of Bay of Fundy – FVCOM Case Study
	Arrey, Ivo	University of Venda	Uncertainty Visualization and Characteristic Space-Time Scales of Soil Moisture Variability in Siloam, South Africa
	Ward, Heather	Stantec	Using Geo-statistics to assist with defining the optimal spatial filters
	White, Joanne	Canadian Forest Service	Establishment of a Remote Sensing Supersite at the Petawawa Research Forest

Protection 	Blackwood, Megan	Stantec	A workflow for Kernel Density Analysis of caribou collar data using ARCGIS model builder
	Edwards, Rebecca	Ducks Unlimited Canada	Ducks Unlimited Canada's Satellite-Based Wetland Inventories in the Western Boreal Forest
	Greene, Randal	NatureServe Canada	Development of an Automated Species Range Mapping Platform
	Piercey, Doug	Canadian Forest Service	A time-series assessment of habitat composition and connectivity for caribou in Newfoundland and Labrador
Stewardship 	Briggs, Robert	C-CORE	River ice monitoring: an integrated space, airborne and in-situ sensing approach
	Ross, Christopher	Nova Scotia Department of Agriculture	Monitoring the Nova Scotia Provincial Dykeland System: Nova Scotia Department of Agriculture – Land Protection & Field Services (Engineering)
	Scriven, Blair	University of Calgary	Near-Real-Time Flood Mapping using HAND model and GIS Derived Synthetic Rating Curves
	Tilley, Brandon	Memorial University	Mapping of Coastal Restoration Areas of Interest in Newfoundland and Labrador
Responding 	Harris, Robert	Government of New Brunswick, 9-1-1 Bureau	GeoOperations: GIS for Emergency Management
	Cooper, Tom	Memorial University	Why is Critical Infrastructure Important to the Province of Newfoundland and Labrador?
	McGrath, Heather	Canada Centre for Mapping and Earth Observation	An online dashboard of real-time hazard and socio-economic variables for the emergency management community
	Harris, Robert	Government of New Brunswick, 9-1-1 Bureau	GIS for Next Generation 9-1-1