

OGC Energy & Utilities Summit:

“Harnessing the Power of Geospatial Information for Smart Energy Communities and Utilities”

Wednesday, June 28th, 8:00-14:45 Newfoundland Time (NDT, UTC -2.30)

Sheraton Hotel Newfoundland, 115 Cavendish Square. St. Johns, NL, Canada

Background

The next Open Geospatial Consortium meetings will be held in St. John’s, Newfoundland and Labrador, from June 26-30th, 2017. The OGC Energy & Utilities DWG is holding a Summit on June 28th. The Summit will engage geospatial experts / service providers, energy utilities, government, etc, to help inform an Energy Data Roadmap, and to identify opportunities for demonstrating interoperable geospatial data and web service (OGC) standards.

Goal:

The intent of this event is to provide an opportunity for the community to meet to:

- Develop understanding of energy data use and exchange
- Facilitate knowledge exchange between energy utility, government, and solution providers
- Inform an Energy Data Roadmap with best practices for using geospatial (OGC) standards
- Inform/Advance Interoperability Demonstration(s) or identify potential actions, time-lines

Participation:

The meeting is open to representatives from all interested organisations, inclusive of both OGC members and non-members. Registration is required for this no-fee event. Remote participation will be available, for those representatives unable to travel.

Please register for this free event, for both in-person and remote attendance, at this link. Information on the event is found at this link: <http://www.opengeospatial.org/event/1706tc>

A draft agenda for the meeting is below. We look forward to a vibrant discussion from all stakeholders in the Geospatial community.

We hope to see you in St. John’s or via remote connection:

Please join my meeting, Wednesday, June 28, 6:30 AM EDT to 1:15 PM EDT:

<https://www4.gotomeeting.com/join/982199437>

Use your microphone and speakers (VoIP) - a headset is recommended.

For questions and more information please contact:

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Preliminary Agenda:

Part 1: INTRODUCTIONS and CONTEXT, 8:00-8:50 a.m.

Welcome, Roundtable Introductions

Background and Summit Goals – co-chairs

- **Speaker:** Scott Simmons, OGC: Introduction to OGC Programs; Spatial Data Infrastructure (SDI); Update on energy related initiatives/liaisons.
- **Speaker:** Bruce Cameron, QUEST: “Overview of QUEST and Energy Data Roadmap project”, will discuss how energy data is needed as part of utility and community programs/accountability

Part 2: ENTERPRISE VIEWPOINT, 8:50-9:45 am

Presentations will address: Key Actors, Drivers, Issues, Challenges/Pain-points, and Opportunities

- **Speaker:** John Simmins, EPRI: Sharing of Utility Data for Smart Cities
- **Speaker:** Bruce Cameron, QUEST: Critical Issues for Energy Data Collection (move 3rd?)
- **Speaker:** Victoria Gunderson, US Dept. of Commerce: Global Trends in Smart Grid Deployment for Smart Cities (remote)

Q&A / Discussion

Break 9:45-10:15

Part 3: INFORMATION VIEWPOINT, 10:15 – Noon

Presentations will outline (high level) Scenarios, Information/Data Requirements, Sources, Gaps

- **Speaker:** Vivian Sultan, University of California, LA: Prediction of consumer participation in solar programs using GIS and deep learning.
- **Speaker:** Prof. Thierry Ranchin, Director, Centre Observation, Impacts, Energy- MINES ParisTech: GEO VENER: Geospatial data, resources and community portal for renewable energies (remote)
- **Speaker:** Eddie Oldfield, Spatial Quest: Mapping for Smart Energy Communities and Utility Networks
- **Speaker:** Jessica Webster, Natural Resources Canada: Data Issues, Promising Practices and Key Methods from CanmetENERGY Integrated Community Energy Mapping Research (remote)
- **Speaker:** Pat Brown, EPRI: Network Model Management – internal and external data dependencies (remote)

Q&A / Discussion

Lunch (on your own)

Part 4: COMPUTATION VIEWPOINT, 13:00-14:45 pm

Presentations/Discussion will address functional areas served by OGC and non-OGC standards (e.g. data collection, transformation, exchange, visualization, protection),

- **Speaker:** John Simmins, EPRI – CIM for DER
- **Speaker:** Dr. Jacinto Estima, Programme Officer, GIS & Information System, IRENA: Global Atlas for Renewable Energy (remote)
- **Speaker:** Phylroy Lopez, NRCAN, CanmetENERGY Housing & Building Simulation Platforms and Research Data Needs (remote)

Q&A / Discussion

Action Planning Round to capture participants’ reflections and identify what should come next.