Geospatial – Powering the fourth Industrial Revolution

Welcome

9.30

Simon Navin, Conference Chairman
Programme Manager, Smart Practice
Ordnance Survey

SESSION 1: Geospatial: Maximising the digital economy

KEYNOTE:

9.35

Growing the Geography profession in Government

David Wood, Head of Geography, Government Science and Engineering, UK

In January this year David Wood was appointed as the first cross-government head of geography in addition to his role as head of analysis and performance at HM Courts and Tribunals Service. The awareness of geography as a professional discipline within government is regarded as part of the Government science and engineering professions. David is supported in his role by the Central Government Geography Group (CGGG), which represents communities of geographers across government. David has been working with them to develop a strategy to grow, professionalise and champion geography across Government.

KEYNOTE:

10.00

Data for the public good – digital transformation in economic infrastructure

Mark Enzer, Chief Technical Officer, Mott MacDonald, UK

There are high hopes for digital transformation in the built environment: to improve delivery of new assets and performance of existing ones. Relative to other industries, the built environment has been slow to benefit from digital transformation. There is a clear connection between infrastructure data and outcomes, because better decisions, based on better data, lead to better outcomes. The industry puts a value on physical assets, but not yet on their digital twin. We must treat data as a resource and value information as an asset, then we'll have a real digital economy and an even stronger case for digital transformation.

KEYNOTE:

10.25

The Geospatial Commission

William Priest, Director
The Geospatial Commission, UK

Facilitator: Abigail Page
Chair of the Association for Geographic Information, UK

PANEL DEBATE:

10.35

- **How will geospatial enable the growth of the economy?**
- **What is the value to UK Plc?**
- **Where does the future of geospatial lie?**

Panellists:




- Ed Parsons, Geospatial Technologist, Google, UK
- Charles Kennelly, CTO, ESRI UK
- Miranda Sharp, Head of Smart City Practice, Ordnance Survey, UK
- Andrew Trigg, Head of Data at Land Registry, HM Land Registry, UK

11.25 Coffee Break

SESSION 2: How is data used to transform society for public good?

Session Introduction

11.45

Facilitator: James Kavanagh
Director of Land, RICS, UK

Using imagery to best effect in disaster relief

11.50

Alan Mills, Preparedness Coordinator, MapAction, UK

The space and UAV sectors are increasingly offer data and services during emergencies. This should be welcomed as the capacity for the humanitarian community to deliver aid to vulnerable populations in 2018 is severely stretched. The need to be more efficient and make better use of resources is key to improving the efficiency of aid delivery. MapAction has been mapping the extent of disasters, mainly in developing countries, their impacts on populations and the progress of relief delivery to help humanitarians coordinate better. Surprisingly, our use of satellite imagery has been relatively limited to date, and UAV data are yet to be routinely integrated into our field work. MapAction is working with others to investigate bottlenecks to find robust but flexible models that can get important data optimally to the field.

Creating a community technology partnership: a place-based approach to information technology and capability

12.10

Dr Kim Foale, Founder/ Head Geek, Geeks for Social Change, UK

Creating socially engaged and technological interventions with impact to reduce social isolation, is an enormous challenge. Three distinct worlds—neighbourhood assets, academia, and technology—must work in concert. However, these fields have no natural social overlaps of place, economy, experience or culture; operational differences exist at every scale from macro to micro. A Community Technology Partnership (CTP) is our attempt to tackle this inequality, enabling citizens, organisations, businesses and governmental providers to work together. By considering IT skills, information, and facilities in an area, a CTP aims to empower resident-led partnerships to improve the quality, quantity and availability of local information. The first intervention using this methodology is called PlaceCal.

AR and Geo location impacts

12.30

Zulf Choudhary, Managing Director, Sparta Digital, UK

Geo-location has been critical for thousands of years. Used by rulers and military general alike to plan and develop strategy. In the last 100 years it has got into the hand of ordinary people via OS maps etc. But now there is new set of tools to both engage and excite users AR.

Conference Programme

12.50 Lunch (delegate lunches will be served on a balcony outside the conference area)

SESSION 3: How can digital businesses grow utilising geospatial technology

Session Introduction

13.50

Facilitator: Stefan Webb
Head of Projects, Future Cities Catapult, UK

Risks and benefits of building a business around Geo-Data

13.55

Gregory Menvielle, CEO, SmartNotify, UK

In a world where Geo-information is getting simpler and cheaper to work with, what are the risks and benefits of using geo-data to build a business. Gregory will go around real-world examples of how your organisation can benefit from the breadth of geo-data and also how fake (yet real) data can kill your company if you are not careful.

An open relationship: the benefits of connecting corporates and startups

14.15

Laura Alderson, Executive Assistant to the CEO, Geovation Hub/Ordnance Survey, UK

Using examples from Geovation, Ordnance Survey's open innovation initiative, Laura Alderson will explore the relationship between corporates and start-ups in the geospatial industry. What benefits do these relationships provide to the geospatial sector? How can large organisations support new digital businesses to grow in the UK? What can corporates learn from how start-ups operate?

Geospatial data and the future of insurance: a flying robot case study with Flock

14.35

Ed Leon Klinger, CEO, Flock, UK

Flock is a London-based, VC-backed insurtech pioneering the use of real-time data to calculate drone flight risk. Flock has partnered with Allianz to launch its first product: Flock Cover, a mobile application providing pay-as-you-fly insurance for drones. In this presentation, Flock will explain how geospatial data has been crucial to their product's success.

14.55 Tea Break

SESSION 4: Growing business through new data capture technology and requirements

Session Introduction

15.25

Facilitator: Paul Cruddace,
Business Change and Innovation Manager, Ordnance Survey, UK

Are you climate mission and analytics ready? Earth Observation technological advances for businesses and society

15.30

John Remedios, Director for the National Centre for Earth Observation, UK

The UK science community is a world leader in designing, delivering and exploiting high-quality climate observations from satellites. These observations offer evidence and assurance for understanding of environmental change. NCEO and other UK scientists are already exploiting these observations through big data analytics and models, reducing dimensionality and developing solutions for local scale monitoring, regional representations and model-mediated information. Wider societal and commercial uptake includes change monitoring, land management, assessment of vulnerable assets and populations as climate changes. For businesses seeking to exploit this data for the mass market, policy and operational decision-making products, this talk will provide valuable insight.

A year in review as a Space investor

15.50

James Bruegger, Investment Director and Managing Partner, Seraphim Capital, UK

As the world's only venture capital fund focused on investing into the SpaceTech ecosystem, Seraphim Capital has over the last two years developed a unique perspective on all of the innovation occurring in everything from nanosatellites and drones, to space-enabled geospatial analytics. Seraphim Managing Partner James Bruegger will be talking about some of the key trends and insights Seraphim has developed during this time, highlighting some of the new emerging category leaders that could come to define the geospatial industry over the forthcoming decade.

#technology + #innovation = #opportunity: An SME's perspective on the changing role of the surveyor

16.10

Dave Norris, Director, Plowman Craven, UK

The role of the surveyor is unquestionably changing. From traditional measured surveys, through to complex 3D modelling and information management, the demands on the geospatial specialist are constantly evolving. Using examples from past and present projects, David Norris will explore how technology and innovation has driven constant change within an industry-leading organisation, and how ever-changing client requirements are being met by new products and services. A glimpse to the future
will reveal the threats but more importantly the huge opportunities for the geospatial specialist.

Chairman's closing remarks

16.30

Simon Navin, Conference Chairman
Programme Manager, Smart Practice
Ordnance Survey, UK