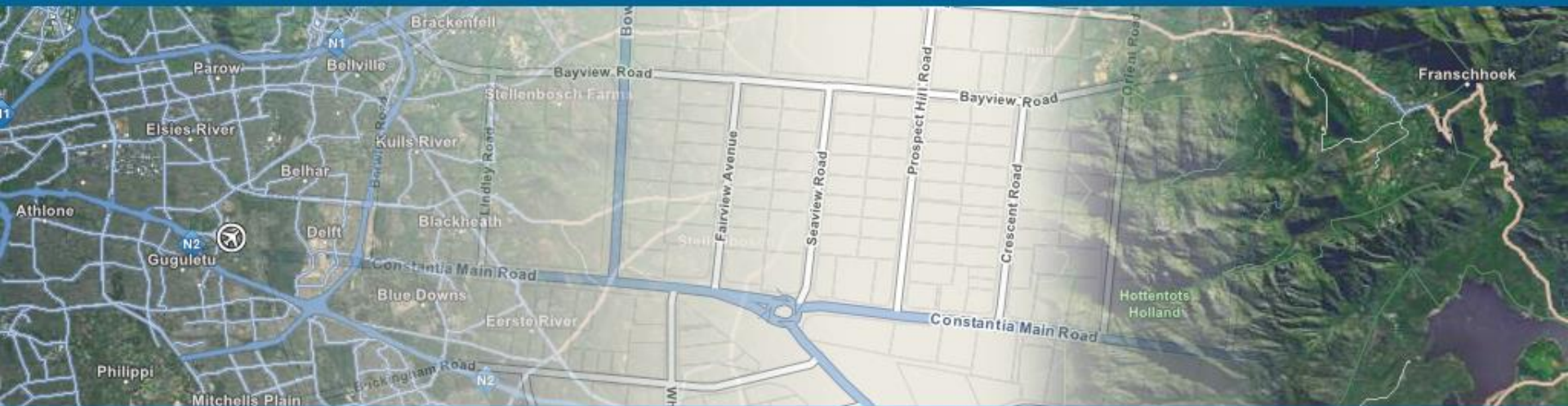


ISO/TC 211 contribution to the wider standards development community

Standards in Action
Chris Body



Outline

- What matters to us
- Our Liaison (Internal & External)
- Collaboration Opportunities
- Final thoughts

What matters to us

- ISO/TC 211 is responsible for a couple of important topics/disciplines associated with the development of geographic information/geomatics standards
 - Geodesy (positioning), coordinate referencing,
 - Addressing
 - Navigation
 - Discrete Global Grid Systems
 - Land Information
 - Land Property
 - Land Use
 - Imagery

What matters to us

- Good information management
 - Principles of our data development (General Feature Model)
 - Metadata
 - Quality
 - Semantics, Ontologies, Terminologies, Vocabularies
 - Data models and their management

What matters to us

- Working Groups
 - WG4 – Geospatial Services
 - WG6 – Imagery
 - WG7 – Information Communities
 - WG9 – Information Management
 - WG10 – Ubiquitous Public Access
 - Joint Working Groups

Current Engagement Work

- Existing standards engagement work
 - ISO TR 23262 GIS (Geospatial)/BIM Interoperability
ISO/TC 59/SC13 Organisation of Information about Construction Works
 - ISO TR 19169 Gap analysis: To map and describe the differences between the current Geographic Data Files (GDF) and ISO/TC 211 conceptual models to suggest ways harmonise and resolve conflicting issues.
ISO/TC 204 Intelligent Transport Systems

Current Engagement Work

- Existing Key Internal Liaison
 - ISO/IEC JTC1/AG11 Digital Twin
 - ISO/IEC JTC1/WG11 Smart Cities
 - ISO/IEC JTC1/SC24 Computer Graphics, Image Processing and Environmental Data Representation
 - ISO/IEC JTC1/SC32 Data Management and Interchange
 - ISO/IEC JTC1/SC 41 Internet of Things and Related Technologies
 - ISO/TC 20/SC13 Space Data and Information Transfer Systems
 - ISO/TC 20/SC16 Unmanned Aircraft Systems
 - ISO/TC 59/SC13 Organisation of Information about Construction Works
 - ISO/TC 69 Applications of Statistical Methods

Current Engagement Work

- Existing Key Internal Liaison
 - ISO/TC 154 Processes, Data Elements and Document in Commerce, Industry & Administration
 - ISO/TC 172/SC6 Geodetic and Surveying Instruments
 - ISO/TC 184/SC4 Industrial Data
 - ISO/TC 204 Intelligent Transport Systems
 - ISO/TC 207 Environmental Management
 - ISO/TC 268 Sustainable Cities and Communities
 - ISO/TC 307 Blockchain and Distributed Ledgers Technologies

Current Engagement Work

- Existing Key External Liaison
 - Committee on Earth Observation Satellites/Working Group on Systems and Services (CEOS/WGISS)
 - Defence Geospatial Information Working Group (DGIWG)
 - Energistics
 - European Commission Joint Research Centre (JRC)
 - Global Spatial Data Infrastructure (GSDI)
 - IEEE Geoscience and Remote Sensing Society
 - International Association of Geodesy (IAG)
 - International Association of Oil and Gas Producers (IOGP)
 - International Federation of Surveyors (FIG)
 - International Hydrographic Organization (IHO)

Current Engagement Work

- Existing Key External Liaison
 - International Society for Photogrammetry and Remote Sensing (ISPRS)
 - Open Geospatial Consortium (OGC)
 - United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)
 - United Nations Group of Experts on Geographical Names (UN-GEGN)
 - Universal Postal Union (UPU)
 - W3C
 - World Bank
 - World Meteorological Organization (WMO)

Collaboration Opportunities

- Industry and Academia
- We need to do more than just engage, we did to collaborate and contribute
- How can we internally improve this engagement
- External liaison – brings other ideas

Final thoughts

- We all want interoperability – actually it's a must
- We need to do more than just engage, we need to collaborate and contribute
- Improve our procedures within WGs so we can properly collaborate and contribute

Questions