**Topic List for development of abstracts/documents – OGC Health DWG**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topic Category** | **Sub-Topics / Use Cases** | **Related OGC Standards and non-OGC standards** | **Possible Leads / Contributors / relevant organizations** | **Status****e.g. Abstract, Draft Discussion Doc, Profile of Implementation, Best Practice Doc.** |
| **Environment – Health** | **Radiation-Health applications** * **Radon**
* **Radioactivity**
* **?**

**Weather / Climate-Health applications** **Air Quality - Health****Water Quality - Health****Pollution (agents) - Health****Disease Vectors****Climate Change impacts on Disease Vectors****Heat-health vulnerability assessment and adaptation planning** |  | **AIST** |  |
| **Privacy** | **Privacy Best Practices****Aggregation Best Practices****Anonymisation to appropriate level Best Practices****- Compare/consider National regulations on aggregation of health data at given scales****(Volunteered geo data)** |  |  |  |
| **Ageing Well / Active and Healthy Ageing**  | **Elderly Patient support – improving quality of life****Improved care delivery / ROI** |  |  |  |
| **Integration with Health Data systems/standards** | **Mapping health outcomes, EHR, Assets, clinical data / sentinel events (e.g. interoperability with HL7)** |  |  |  |
| **Integration of Health and non-health data** |  |  | **AIST** |  |
| **(National) Health SDI** | **Health SDI to support local, sub-national, or national health care providers** |  |  |  |
| **Atlas**  | **Create local, regional, national Atlases of Health outcomes or disease spread in population** |  |  |  |
| **Healthy Built Environment(s) /****Age friendly cities**  | **Buildings,** **Neighborhoods,** **Cities** |  |  |  |
| **Population health** | **Map vulnerable populations by area (at appropriate scale)****monitor chronic illness trends (historical and predictive)****enable treatment, proactive Health Care planning/delivery****prevent acute situations**  |  |  |  |
| **Humanitarian**  | **Disaster Relief and Recovery****Crisis notification / alerting****Emergency Response** |  |  |  |
| **Big Data – GIS;**  | **e.g. Ebola / epidemics / pandemics / surveillance (of health and non-health data);** **pathogens, cross-border monitoring / control,** **case tracking management,** **immunization management,** **scalability,****Raster-Vector workflows**  |  | **DTU** |  |
| **LinkedData,**  | **Taxonomy, Semantic ontology, mediation, model, analysis, visualization ; copyrights** |  | **DTU** |  |
| **Indoor and eHealth** | **routing, way finding, exposure monitoring, event monitoring, notification / alert** |  |  |  |
| **Outdoor and eHealth** | **routing, way finding, exposure monitoring, event monitoring, notification / alert** |  |  |  |
| **mobile personal health applications** |  |  |  |  |
| **Medical Imaging and Procedures**  | **Brain, Heart, Catscans, XRays,** **Raster-Vector workflows**  |  | **rasdaman** |  |
| **Human Body as a map****Human Genome as a map?** | **Map visualization / imaging / semantic context,****Geometric Topology,** **Raster-Vector workflows**  |  | **DTU** |  |
| **Other OGC DWGs, SWGs, member applications** | **? (put a request out to DWG/SWG chairs)** |  |  |  |
| **OWS-11 TestBed Scenario outcomes** | **? (put a request to OGC / test-bed participants)** |  |  |  |
| **EMF****Bluetooth****Mobile telecommunication** | **Determine effects of EMF (all frequencies/sources) on human health** |  | **DTU** |  |
| **Location, sharing of data** |  |  | **TRILOGIS** |  |
| **Table join service** |  |  | **Bart / OGC** |  |

**1 page abstracts to be submitted by 31.5.2015**

**The abstract should describe the scope of the planned paper and as far as known the status of and requirements for supporting standards (OGC and non-OGC).**