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

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| --- | --- | --- | --- | --- |
| **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).**