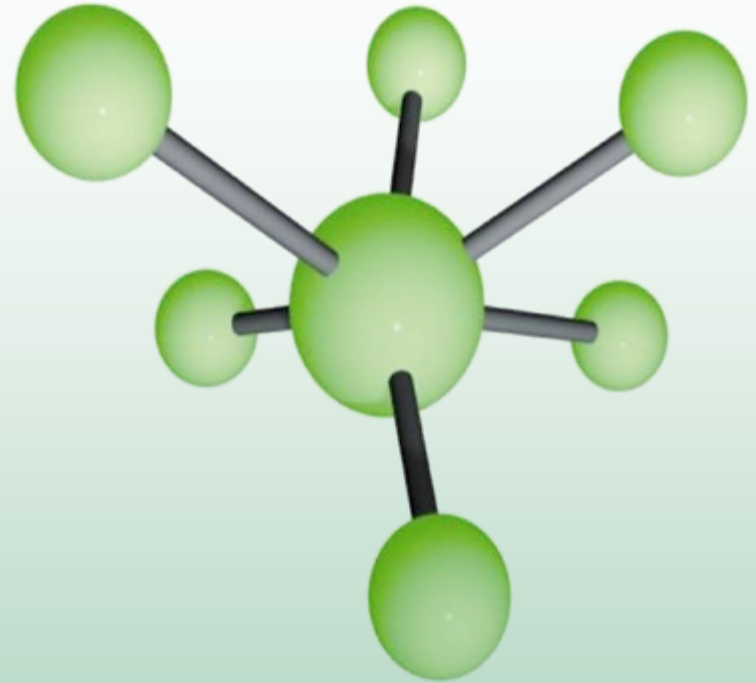


S@NY

Sensors Anywhere
FP6-033564



Disaster, Risk & Emergency Management in Europe

IST 2006 - Workshops and Networking Sessions

Helsinki, 23. November 2006

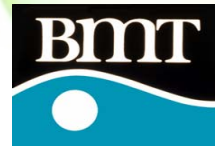
Gerald Schimak, ARC Seibersdorf research GmbH

SANY is an
Integrated Project
(contract number 0033564)

co-funded by the Information
Society and Media DG of
the European Commission
within the RTD activities
of the
Thematic Priority Information
Society Technologies”



Project acronym	SANY
Project reference	IST-2006-033564
Project type	Integrated Project
Start date	01/09/2006
Duration	36 months
Budget	11,2 M€
EC contribution	7,0 M€



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Information Society
Technologies

- ✿ SANY addresses in-situ sensors and sensor networks and pursues five major objectives:
 - Specify a **open architecture** for all kind of fixed and moving sensors, sensor networks, and other sensor-like sources of information -> **Standard**
 - Develop **advanced data fusion and DSS** services -> **Standard**
 - Assure that a **reference implementation** of the architecture is **operational** as GMES building block in **2008**
 - Assure that the new **architecture is generic** and provides added value for users and providers
 - Assure that the **outcome of SANY is accepted** by end users and **international organisations** to a future standard applicable to GMES

✱ Transducer technology

- SANY shall use state of the art transducer technology.

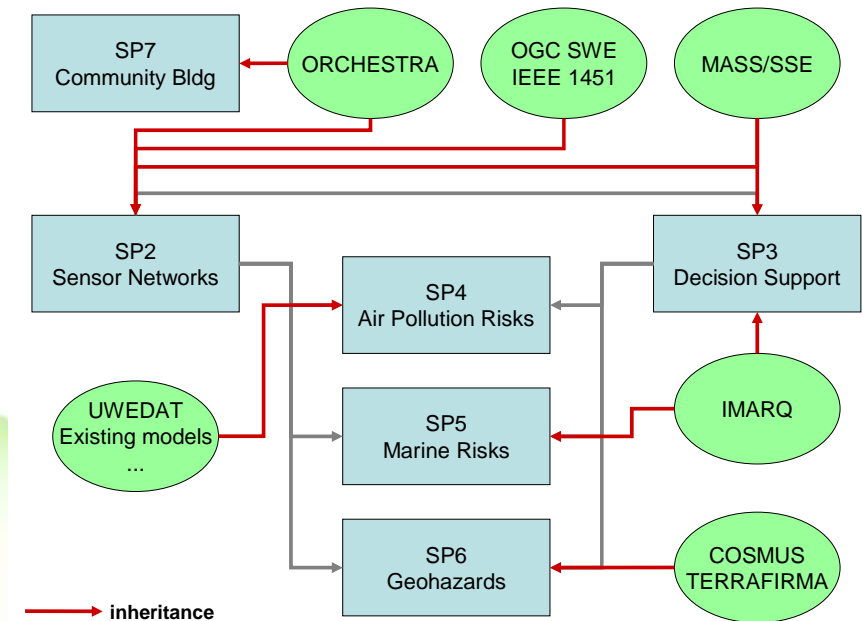
✱ Satellite and HAP technology

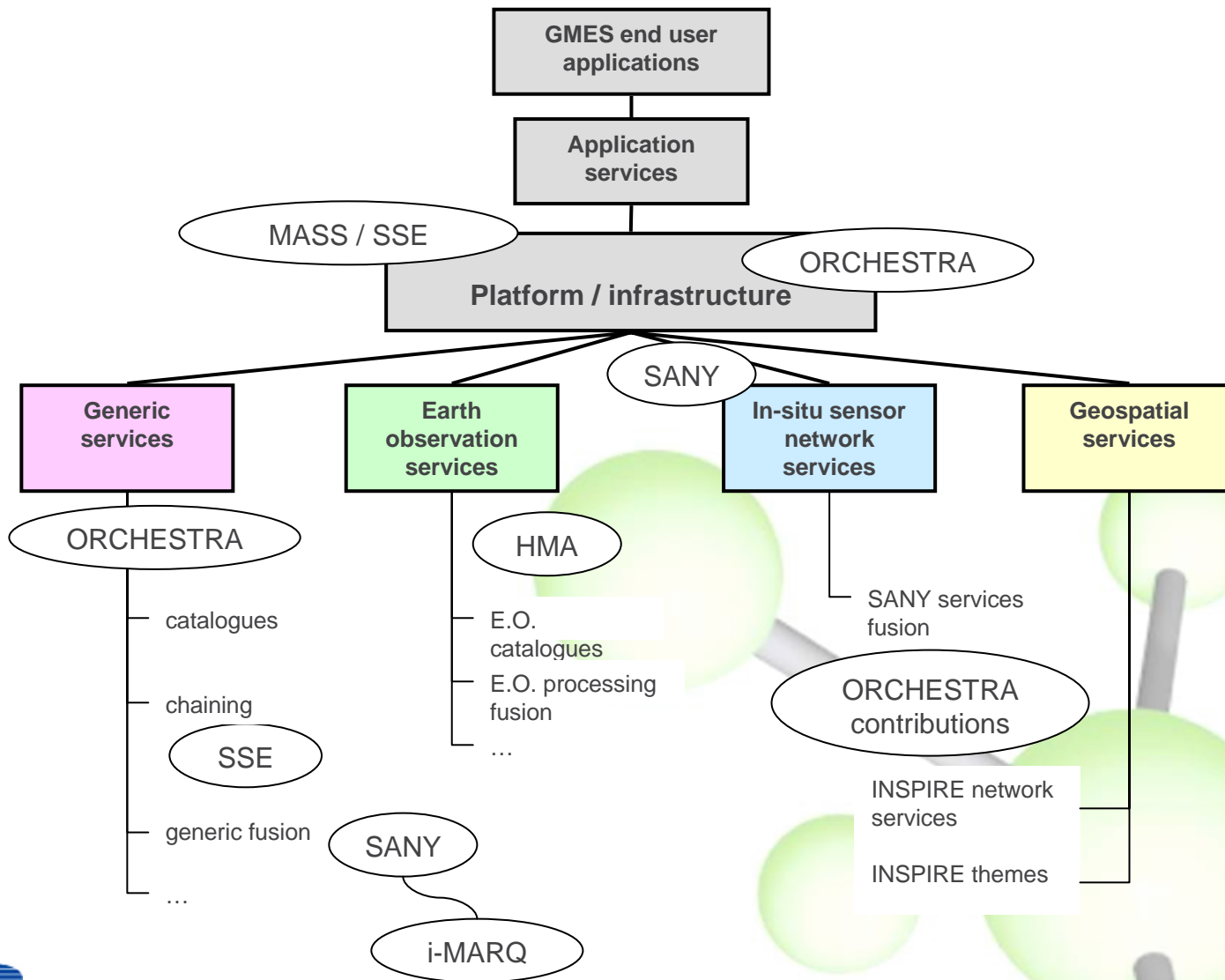
- SANY is only interested in assuring the interoperability with these sources of sensor data
-

✱ Communication technology and protocols

- SANY services and validation applications shall use state of the art communication technology and protocols (e.g. wireless networking components).

- ✿ Build upon existing technology
 - ORCHESTRA IP, MASS/SSE, OGC SWE & IEEE 1451
- ✿ Public availability of the architecture specifications
- ✿ Standardization approach through Open Geospatial Consortium





- ✱ Air pollution (immision / emission)
 - Plug & measure
 - Cross-border data & services
 - Online dispersion modelling
- ✱ Marine risks (coastal water management)
 - Integrating moving & stationary sensors
 - Integrating external sensor-like data sources
 - Extensive use of fusion technology
- ✱ Geo hazards (building instability)
 - Rapid deployment
 - Self configuration

- ✿ Better understanding of processes related to natural and man-made disasters. Facilitating risk management- and prevention tasks, by heavily improving:
 - **Interoperability** of data and services across man-made administrative and environmental domain borders.
 - **Easy and simple** data and services **discovery** mechanism.
 - **Easy and simple access** to all relevant data sources
 - **Robust sensor networks** capable of surviving the disasters
 - **Rapid deployment** of new sensor networks when ever needed
 - Proficient and reliable way of building **relevant indicators** from heterogeneous data sources (including models)-> data fusion.

- ✿ Started 2 month ago!
- ✿ First organisational and technical consolidation phase achieved (two intensive training sessions on SWE, ORCHESTRA, MASS-SSE, etc. held)
- ✿ First Technical Presentations deliverable done – currently under QA
- ✿ Project Quality and Management Handbook nearly done – (internal deliverable)
- ✿ All SP's got kicked-off!
- ✿ First coordination meetings with other IPs (OSIRIS, ORCHESTRA) held

✿ Next steps:

- Report on technical review (M5)
- Requirements Specs of SP4/5/6 (M8)
- Sensor architecture specs (M12)
- Architectural Design Document (M16)

Public deliverables will be available for download on SANY-IP.EU web site!

Subscribe to SANY newsletter!!!!

