

2nd ARTES Applications Workshop

Session: Security and Civil Protection

N. Hübner

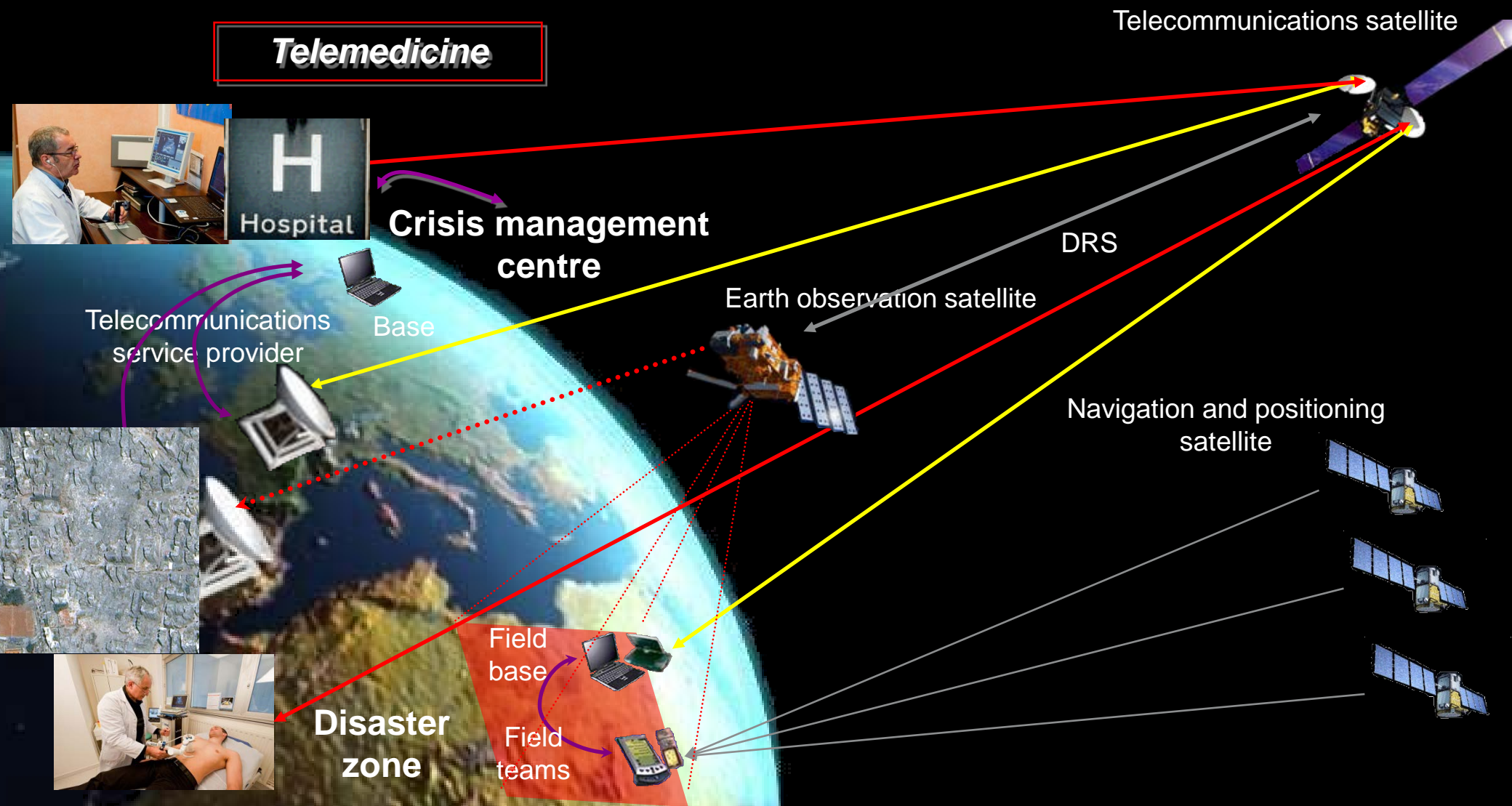
Head of Feasibility Studies Section
Integrated and Telecom related Applications Department
European Space Agency

Harwell

20/4/2012

Integrated Application Promotion

UK Civil Resilience



Space for Safety and Security – Feasibility Studies (DN):

- **Land Border Control**

Users: Hellenic Police

- **Integrating Space Assets for UK Resilience**

Users: Civil Contingencies Secretariat (CCS) (backbone user), Department for Environment, Food and Rural Affairs, Department for Transport, Highways Agency, Environment Agency, Health Protection Agency, Welsh Assembly Government, Government Office for the East of England, East Coast Flood Planning Group

- **PIMS - Pipeline Integrity Monitoring using Space Assets**

Users: GasUnie (NL), Sasol Gas (South Africa)

- **SASISA – Small Aircraft Service for Instant Situational Awareness**

Users: GasUnie (NL), Sasol Gas (South Africa)

Space for Safety and Security – Feasibility Studies (OC):

- **Satellite Systems and Operations for Unmanned Aerial Systems (UAS)**

ESA Collaboration Partner: European Defence Agency

Users: Guardia Civil (E), Portos do Madeira (P), German Police, others

- **Space Assets for Demining Assistance (3x)**

ESA Collaboration Partner: GICHD (Geneva International Centre for Humanitarian Demining)

Users: National Mine Action Centre of Sudan, South Sudan Demining Authority, MAG (UK), MineTech Int. (UK), EXPAL (E), Chilean Mine Action Centre, Agenzia Industrie Difesa (I), Appalti Bonifiche Costruzioni (I), Fondation Suisse de Deminage FSD (CH)

- **Prediction, Monitoring and Alerting of Landslides and Subsidence Affecting the Transport Infrastructure**

ESA Collaboration Partner: Transport Scotland, Network Rail (Scotland)

Users: (contract in negotiation phase)

Space for Safety and Security – Demonstration Projects

- **Nuclear Safeguard and Verification**
ESA Collaboration Partner and User: IAEA
- **FAAPS - Fully Automated Aqua Processing Service**
User: Office of the Styrian Government - Department for Water Protection

**Project Web Pages available for all closed and running IAP activities
on the IAP website at: iap.esa.int**

What's next?

Integrated Applications Promotion

Upcoming IAP Activities



Competitive Tenders – recently closed:

- Improvement of Maritime Safety in the Baltic Sea through Enhanced Situational Awareness (FS): Tender closed on 21 March 2012
- Coastal Surveillance and Water Quality monitoring in the Baltic Sea (FS): Tender closed on 16 April 2012

Competitive Tenders – currently open:

- Satellites complementing UAS for maritime surveillance services (DP): Tender open from 22 February until 2 May 2012
- Special Meteorological Services for Maritime Search and Rescue (FS): Tender open from 15 March until 10 May 2012

Competitive Tenders – upcoming:

- Piracy Prevention and Commercial Navigation in Insecure Waters (FS): begin May 2012
- Improvement of the Safety at Railway Level Crossings (FS): begin May 2012
- Improved Alpine Avalanche Forecast Service (FS): June 2012
- Improving Disaster Response Capacity (FS): June/July 2012
- Safety and Information Services for Ski Resorts (FS): Q3/2012

**Information to be found on the IAP website (announcements): iap.esa.int
and on ESA's electronic tendering system (tender documents): emits.esa.int**

N. Hübner

Head of Feasibility Studies Section

Integrated and Telecommunications related Applications Department

European Space Agency

Tel: +31 (0)71 565 4199

Email: Norbert.Huebner@esa.int

URL: <http://iap.esa.int>

<http://telecom.esa.int>