

EU-project Coordination



*EU 6th Framework Programme
Thematic Priority
1.4 Aeronautics and Space*

**WORK PROGRAMME
2002-2006**

December 17, 2002 Space weather workshop

Hanna Lappalainen, Finnish Meteorological Institute

EU-project Coordination

FMI Space Weather Approach 2002-



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Content

- EU Space Weather Rationale
- Internal Approach proposal for the EU SW approach
- Schedule

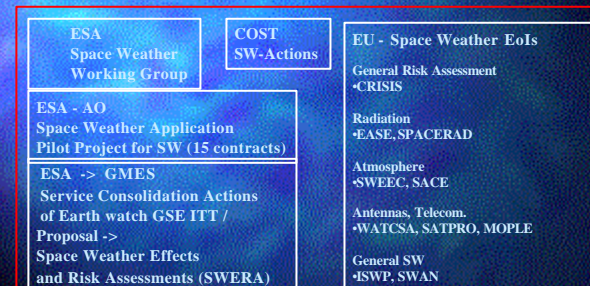
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EU Space Weather Rationale ?

- Integration of the European Space Weather activities



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European added value via integration ?

SW-core		EU
ESA SW- Pilot project Applications : 1,5 Meuros (50%)	50%-50% 3,2 Meuro	GMES - Risk Management-SW Integrated Project 50% funding
“National funding” + 1,5 Meuros	+ 3,2 Meuro	Adding the EU elements *demonstrations * instrumentation
ESA-GSE- SW- Risk Assessment SWERA 0,2 MEuros	= 6, 4 Meuro	*infrastructure, training *management *research * aviation

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Arguments

- **Level 1: FP6**
 - provide the autonomous position in respect to US
- **Level 2: Aeronautics and Space Programme**
 - achieve co-operation / integration between ESA and EU
 - develop synergies and avoid duplication.
- **Level 3: GMES area**
 - integrate the planned research and technological development results, as they become available, within ESA and national entities.
 - Be user-driven, increasing public awareness of the results
- **Level 4: Risk Management**
 - improve the provision of satellite based data in support to risk management
 - integrate into information systems to support the decision making chain of risk management throughout the risk lifecycle

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Motivation for one EU- Space Weather Proposal

European SW Community :

- meet the financial resources needed for the ambitious
 - research & product development
 - infrastructure e.g databanks
 - instrumentation, demonstration, testing
- enable the European SW Programme

EU :

- meet the requirement of the integration

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Internal Approach Proposal for EU SW approach

1. Completion the ESA Pilot Projects with the EU elements

ESA - SW - Pilot project EU- demonstration, training etc. •Prime

2. Include the elements not covered by ESA

ESA - GMES ITT
Service Consolidation
Actions of Earth watch
/SW and Risk Assessments

EU - GMES
• reviewing EoIs (link to Atmosphere)
COST Actions: science

•ESTEC
•IEEA
•CR

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Internal Approach Proposal for EU SW approach

3. SW - EU IP-project integration with the GMES Risk Management ? negotiations with commission

GMES PRIORITY THEMES

- IP - Land Cover and Vegetation
- IP - Water Resources
- IP- Ocean and Marine Applications
- IP - Atmosphere
- IP- Risk Management
 - man-made hazards (including conflicts), earthquakes, tropical storms, drought, floods, volcanic eruptions, forest fires, landslides, other natural phenomena generating hazards
- IP - Security

GENERIC RISK / Independent Proposal ?

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Time scale

2003	2004	2005	2006	2007
ESA SW Pilot Projects Service development		ESA Support Infrastructure Quantitative Evaluation of Benefits		
ESA Service Consolidation Actions of Earthwatch GMES Service Element SWERA		EU SW IP-Project Demonstration, Implementation, Networking...		

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Schedule

- 17th December 2002 - 20th March 2003 Call for Proposals
- December 2002 ESA SW - AO results
- January 2003 ... 20th March Proposal preparation
- February 2003 Consortium Agreement
- 20th March 2003 Proposal submission
- June 2003 Proposal -> evaluation results available
- July 2003 - November 2003 Negotiation with Commission
- November 2003 Contract with Commission
- November 2003 --> 3-5 years Reporting and payments every 12 month

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