

Session-1 Report&Discussion

Rationale: European Space weather service is possible and beneficial but requires effort on data system, models, user education.

- Key issues: Strategy and source of funding/Possible role of EU/Interaction with scientific community.

Benefits: They are numerous but not critical except perhaps for (i) autonomy (ii) monitoring long-term or anomalous change in space environment, (iii) to appear as strong partner in a world programme.

- Key issue: Importance of other benefits while space sector is growing.

Market: niche/fragmented market; partly satisfied by current status (i.e. US data dominated) priority must be on active growth of market and education of users.

- Key issues: Market trend.

System requirements: known measurements solutions for all user needs identified. Coordination of space based measurements and ground based measurements is required.



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Session 2- Report and Discussion

Ground infrastructure: A lot of ground assets but not coordinated yet.

- Key issue: Cost of coordination may be high and should involve other scientific coordination organisations.

Service: Nowcast service could be established now as shown by prototyping activities. Forecast capability is increasing but is still in its infancy. More research is needed there.

Space segment: Contractors demonstrated feasibility and found similar cost of a full blown space segment. Some lower scale options has been proposed Some remaining uncertainties has been clarified by CDF.

Programmatic & cost: Cost is high compared to benefits; case is not strongly made yet for a full blown space segment. Partnerships must be explored within and beyond European level.

Recommendations: Create new structures, establish service pilot with existing data, gather requirements for a pre-operational phase.



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CONCLUSION

Case seems not strong enough yet for independent full blown space segment. This should however be further investigated by more in-depth economic assessment including market growth parameters and people interest. A phase A study should be initiated for the highest priority component.

There is a strong interest to improve ground based infrastructure, co-ordination, data system and service provision.

A Pilot Project and the ESA GRID should contribute to this.



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