

Virtual Solar Monitor

- Dr Jean Aboudarham, Director World Data Centre for Solar Activity, Observatoire de Paris-Meudon, France
- Prof. Dr. Luigi Ciminiera, Dept. of Computer Science, Politecnico di Torino, Italy
- Prof. Dr. André Csillaghy, Dept. of Computer Science, Univ. of Applied Sciences, Northwestern Switzerland
- Prof. Dr. Isabelle Scholl, International Space University, France

Grid-based intelligent feature recognition for data acquisition networks

* Direct application:

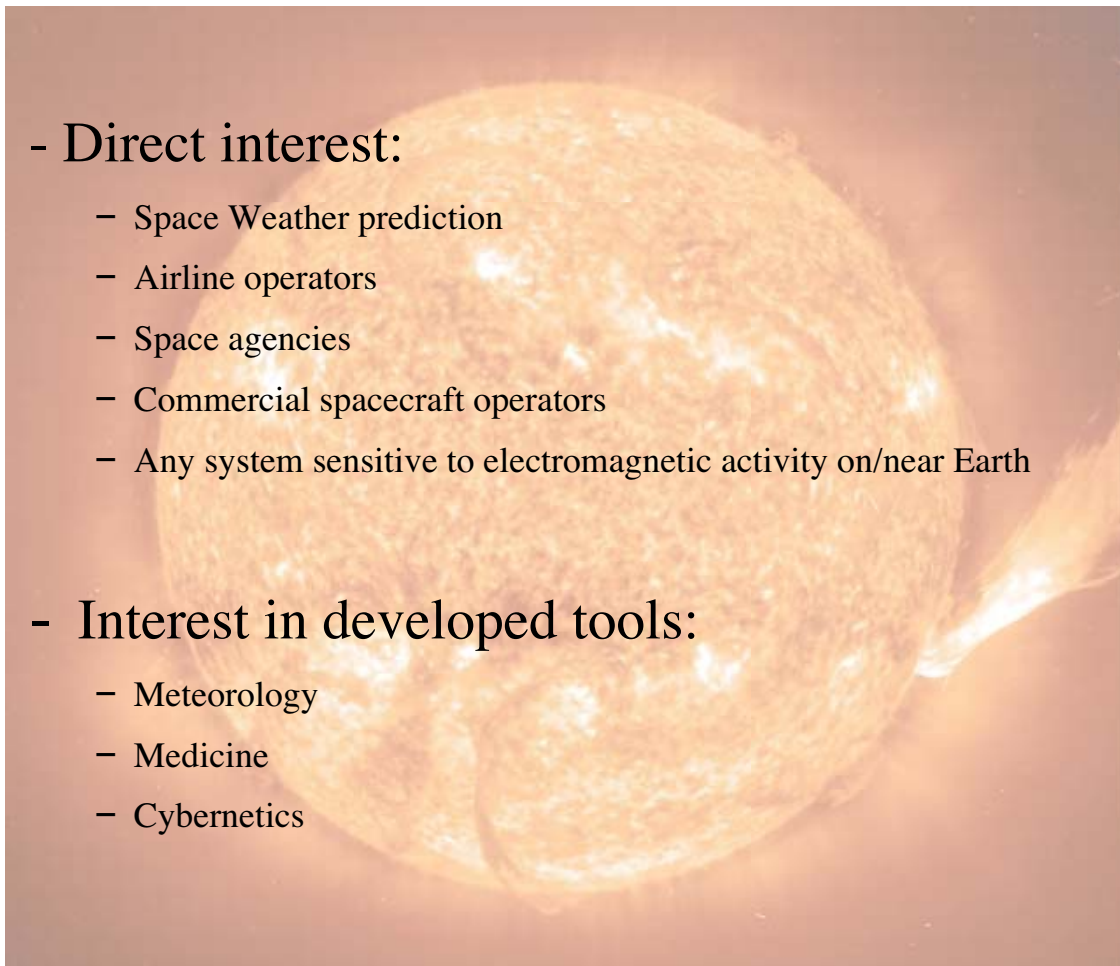
- Data mining
- Synthesize information
- Build statistics of solar activity
- Discover new activity predictors

- Direct interest:

- Space Weather prediction
- Airline operators
- Space agencies
- Commercial spacecraft operators
- Any system sensitive to electromagnetic activity on/near Earth

- Interest in developed tools:

- Meteorology
- Medicine
- Cybernetics



Assets

- ⦿ **Full use and development of grid technology**
- ⦿ Architecture incorporating services into a grid
- ⦿ Wide level of generality
- ⦿ Ontology tool for data description in a generic way
- ⦿ Generic service orchestration for massive distributed data processing
- ⦿ Integrated source of information
- ⦿ Straightforward system for data providers
- ⦿ Automatic Feature Recognition
- ⦿ Tracking of features from multiple sources
- ⦿ **Global and free warning system operating 24h a day**

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Combined expertise in grid architecture, solar physics, data processing and data providing