













#### CS SI engineers global and secure solutions

- Convergence of communication and information systems
- Prime contractor experience (large and complex projects)
- Customer-oriented organisation
- CS SI staff 3900

#### CS SI has leading positions

- Aerospace : French market leader in software and computer services for the space industry
- Scientific engineering : leading European pole (e.g. nuclear research)
- Network services : leading French supplier in network and communication systems integration
- CS SI is member of the DataGRID consortium





## **Space Weather**CS SI/CESR Teaming

**CS SI Management** 

WP 2220

Requirements

WP 4220 Prototyping

## CS SI Tasking

Analyse algorithms requirements
Draft prototype implementation plan

Design architecture
Install middleware
Perform conversion
Run and test

### **CESR Tasking**

Analyse high level simulation threads requirements

Map reqs to prototype

Transfer SW
Support conversion
Run and test
Validate and report





# Space Weather Global problem

- 3D MHD plasma flow
- Various spatial and temporal scales
  - Segmentation

**Solar Wind** 

Bow

Magnetosphere

- Heterogeneous numerical approaches
- Complex couplings
- > No forecast affordable



26/09/2001 SpaceGRID KO





