

# GMES

- Global Monitoring for Environment and Security.
- Joint ESA-EU activity.
- Steering board: ESA, EU, National representative, Eumetsat.
- Forum in Brussels 15-17 July.
- Useful exchanges with various people involved in the GMES, (D/EOP-HQ, -ESRIN, -Brussels, EC DG 1.2, DG env.).

# GMES features

- GMES is rather EO focussed.
- Space Weather is thematically marginal with respect to GMES.
- ESA participation to GMES is currently essentially driven by EO interest in developing the Earth Explorer programme;
- High priority is attached to the development of user community;
- The EC view of GMES is broader than ESA's and open to all source of data (Sci, Env....).

# Possible synergies

- Complementarity of the space weather theme with the traditional EO ones;
- Space weather fits with the broadest interpretation of the scope of Global Environment and Security issues;
- Some space weather issues concerning risks on ground systems and human health are directly relevant to issues being addressed by EU policies (e.g., global change, UV effect on skin cancers, Radiation exposure of aircrew).
- Similarity of methodology to develop user's interest for observational data applications and study of their benefits.

# Next steps

- As a result, 3 items for further action were discussed for the ESA Space Weather team.
  - EU GMES route
  - ESA-GMES route
  - ESA-EO collaboration
- They all appear possible, subject to agreement of interested parties.

# EU-GMES route

- Space Weather can enter GMES via the EC opportunity for self funded technical themes; this is explicitly made possible in the EC call and confirmed by M. Cornaert, provided one complies with some basic criteria.
- Actions:
  - Alexi to find this criteria in the EC GMES call;
  - ESTEC to send 4 slides to Michel Verbauwhede and Michel Cornaert for discussion of the issue.

# ESA-GMES route

- Continue to monitor ESA-GMES activities by:
  - attending their forums;
  - punctually replying to calls when a specific space weather activity fits with the GMES as currently shaped (e.g., global change, UV effect on skin cancers, Radiation exposure of aircrew).

# Collaboration with ESA-EO

- Intensify the flow of information and know-how between TOS-EMA and the ESA GMES team on market and customer development approaches.
- Actions:
  - ESTEC to send small briefing info on the forthcoming AO to Mark Doherty (done)
  - ESTEC to invite Mark to be *informed* AO (done)
  - ESTEC to attend the GMES ITT info meeting on 12 September at ESRIN.
  - ESRIN to host one of the future SWWT meeting (around spring 2003).