

# Theme 4: SPACE CLIMATOLOGY

Co-Chaired by Claus Fröhlich and Jan Sojka

## General

- We understand our theme as to provide the data necessary to study the “Climatology of the Sun-Earth System”.
- This allows to distinguish our tasks from those of the other themes which will eventually use our data sets.
- As we are dealing with Climatology we are concentrating on long-term effects, certainly longer than several weeks (e.g. longer than the solar rotation period).
- Our emphasis is on both a critical review of the original observations and their interpretations.

# **Theme 4: WORKING GROUPS**

## **WG 4.1: Solar Irradiance Variability**

Co-chaired by Judit Pap and Gerard Thuillier

## **WG 4.2: Heliosphere Near Earth**

Chaired by Leif Svalgaard

## **WG 4.3: Radiation Belt Climatology**

Chaired by Takahiro Obara

## **WG 4.4: Ionospheric and Upper-Atmospheric Variations**

Co-chaired by Martin Jarvis and John Emmert

# Theme 4: STATUS

- **Each working group has been formed**
- **Membership in the working groups is being actively pursued**
- **Workshops have already occurred, and other are being planned**
- **Special Theme 4 Working Group Sessions at national and international meetings are being organized**
- **Each working group will provided a detailed status report**

# Theme 4: ORGANIZATION

- In order to achieve the integrated space climatology objectives the theme needs effective interaction between the working groups.
- This is achieved by a committee consisting of the theme co-chairs and the working group chairs with responsibility to identify areas of overlaps and mutually relevant topics and to ensure these are pursued.
- A measure of the success of this cooperation is a CAWSES Theme 4 data base that encompasses all four working groups.
- A CAWSES product will be a “CD” of this data base intended for non-specialists as well as being useful to non-discipline specialists. (*This aspect will serve as outreach, even public outreach*)

## **Theme 4: ISSUES**

- **Considerable overlap also exists between the CAWSES themes.**
- **This overlap is an excellent opportunity for cross discipline scientific interaction.**
- **Taking advantage of these overlaps needs to be formulated.**
- **Is there a need for CAWSES inter-theme working group or committee?**

# **Theme 4: WG PRESENTATIONS**

## **WG 4.1: Solar Irradiance Variability**

Presented by **Judit Pap** and Gerard Thuillier

## **WG 4.2: Heliosphere Near Earth**

Presented by **Leif Svalgaard**

## **WG 4.3: Radiation Belt Climatology**

Presented by **Takahiro Obara**

## **WG 4.4: Ionospheric and Upper-Atmospheric Variations**

Presented by **Martin Jarvis** and John Emmert

**CAWSES Meeting on 17 July 2004 in Paris, France**