

CONTRIBUTION TO BEOBAL Methodological and Coordination Workshop

CONTENTS

- The IHY – What can we do?
- Training program for younger researchers
- SVIRCO up-grade





INTERNATIONAL HELIOPHYSICAL YEAR: GOALS

Carine BRIAND Courtesy
LESIA – Observatoire Paris-Meudon

- Information about the IHY activities
- Stimulate the creation of national/regional working teams
- Bring out the common scientific interests of all national/regional working teams
- Help isolated groups/scientists



IHY

International Heliophysical Year

First European General Assembly

Paris, January 10th -13th 2006

http://www.lesia.obspm.fr/IHY/IHY_colloque/

Abstract Submission: 01/11/2005

Scientific Organizing Committee:

Jean-Louis Bougeret (co-chair - F), Jose Antonio Bonet Navarro (SP), Carine Briand (chair - F), Maurizio Cacciari (I), Katya Georgieva (BGR), Richard Harrison (UK), Richard Marsden (D), Brigitte Schmieder (F), Ruedi von Steiger (CH).

Local Organizing Committee:

Jean Aboudarham, Carine Briand, Marie-Pierre Issartel, Roger Hulin, Nicole Letourneur, Marie-Rose Ramarao



French Embassy in
Czech Republic, Germany, Finland,
Ireland, Romania and Spain

Tuesday, 10th , Wednesday 11th

International Years (IPY, eGY, IYPE)

Universal Processes: Examples

- Space weather effects on Navigation and Communication
 - Magnetic reconnection
 - Solar drivers of geomagnetic disturbances
 - Coupling processes in the atmosphere
 - Small scale solar magnetic field
 - MHD turbulence throughout the heliosphere
 - The heliosphere: a multi-scale engine
- F. Jansen
 - J. Büchner
 - K. Georgieva
 - F.J. Lübken
 - J. Sánchez Almeida
 - P. Veltri
 - N. Meyer-Vernet

Instrumentation and facilities available in 2007-2008 :

Ground Based instruments and Space missions

- Ground-Based solar Telescopes
 - Ground-Based radio Telescopes
 - Ground-Based radars
 - Solar Space missions
- J.A. Bonet Navarro
 - C. Alissandrakis
 - T. van Eyken
 - R. Harrison

**Ground-based cosmic ray
detectors ??????**

Instrumentation and facilities available in 2007-2008:

Large arrays of small instruments network for synoptic observations

- Heliosimology networks
 - Network for studies on solar variability
- P.L. Pallé
 - I. Ermolli

Thursday, 12th

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Data management and Databases

European Grid for Solar Observations
Discussions about data management requests

- J. Aboudarham

Presentation of National Activities

IHY activities in Europe
British coordination
Spanish coordination
French coordination
Balkan Region activities

- J.L. Bougeret
- R. Harrison
- J. Rodriguez Pacheco
- B. Schmieder
- K. Georgieva

How to use IHY: CIP, Campaigns and IHY sessions

General presentation of CIP concept
CIP processing and a summary of submitted CIPs
IHY Campaign management
IPY and the ICESTAR/IHY collaboration

- A. Breen
- R. Starnper
- B. Thompson
- Kirstie Kauristie

Discussion on Practical aspects of running CIP's/Campaigns

Friday, 13th

How to use IHY: International Supports

ISSI
European Programmes (FP6-FP7)
COST
Space Weather Working Team

- R. von Steiger
- J. Burgos
- Speaker to be confirmed
- F. Lefevre

Educational Activities

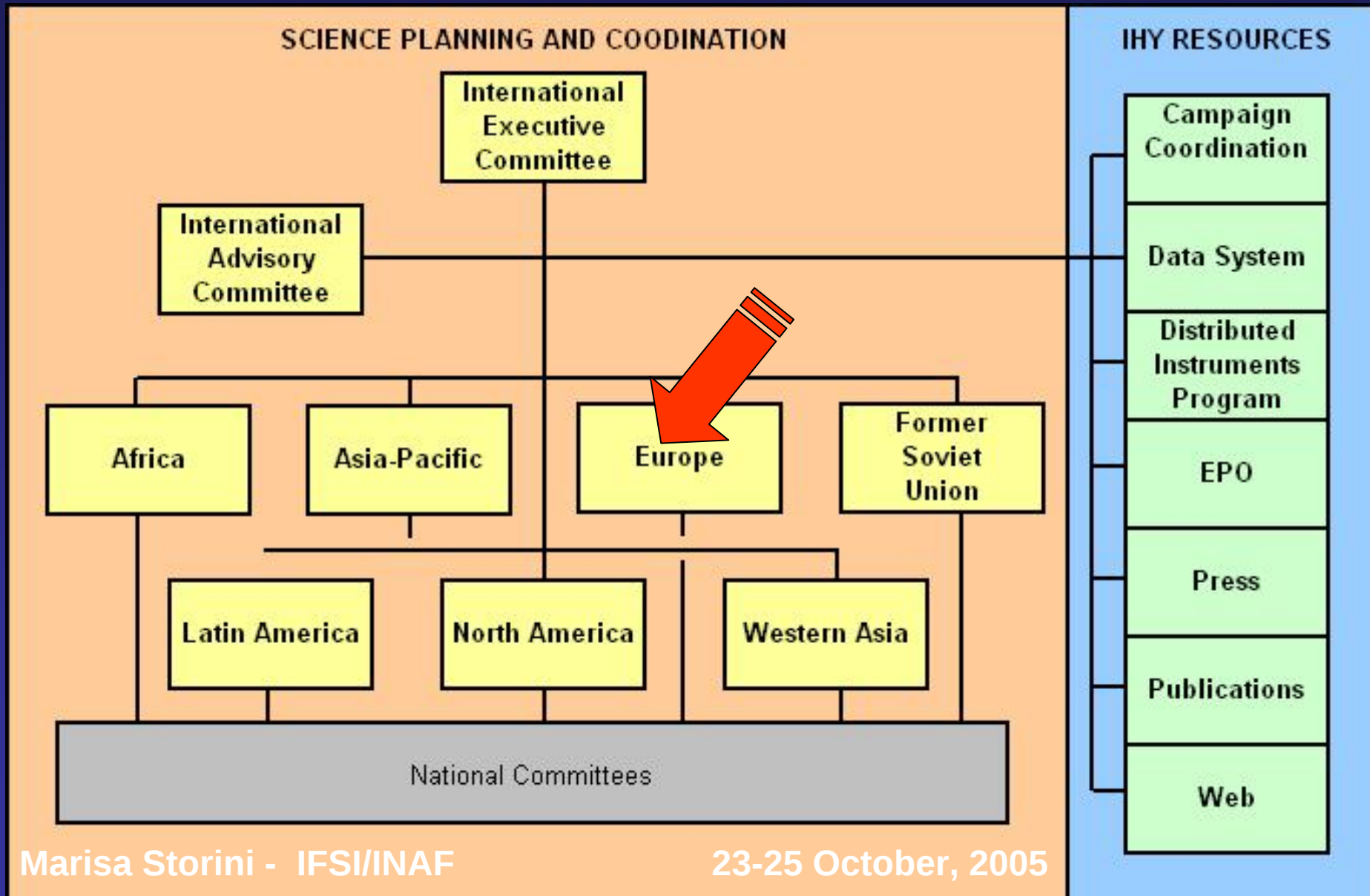
The Venus transit experience
Discussions

- J.E. Arlot

IHY: International Organization

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by Roger M. Bonet
Katepalli R. SREENIVASAN (Trieste)





SVIRCO OBSERVATORY UPGRADE: First Step (2001-2004)



2004 - Adding a new 3 NM-64 Section



FIRST WALL FOR THE NEW 3-NM-64 SECTION

MARCH 2002

17NM-64

LEAD OUTSIDE THE SVIRCO OBSERVATORY TO PREPARE A NEW 3-NM-64 SECTION

MARCH 2002

During 2004 the Neutron Monitor of S.V.I.R.CO. Observatory was upgraded from 17 to 20 NM-64.

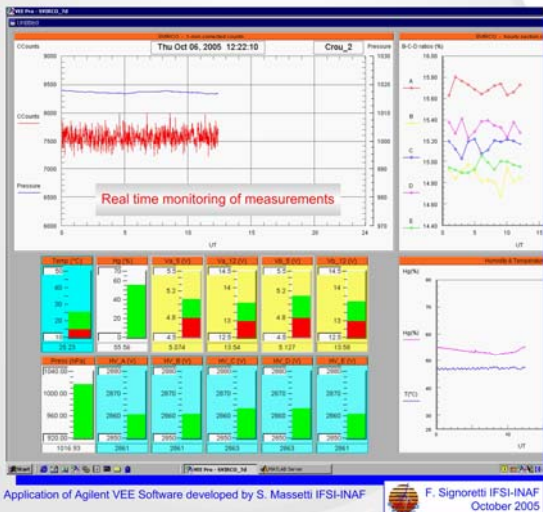
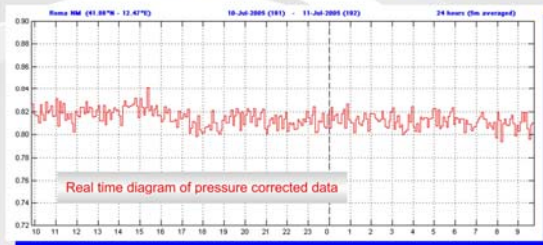
Ever since the detector has consisted of three 3-counter, one 5-counter and one 6-counter units.

From January 2005 the overall counting rate has been enhanced of 15.7 %, with a consequent improvement of recorded data with regard to their statistical quality.



SVIRCO OBSERVATORY UPGRADE: 2005 (ready for young researcher training)

2005 - S.V.I.R.CO. Observatory - Real Time Data



2005 - The S.V.I.R.CO. Observatory



Thank you !