

# EUSO

# science operations and data center

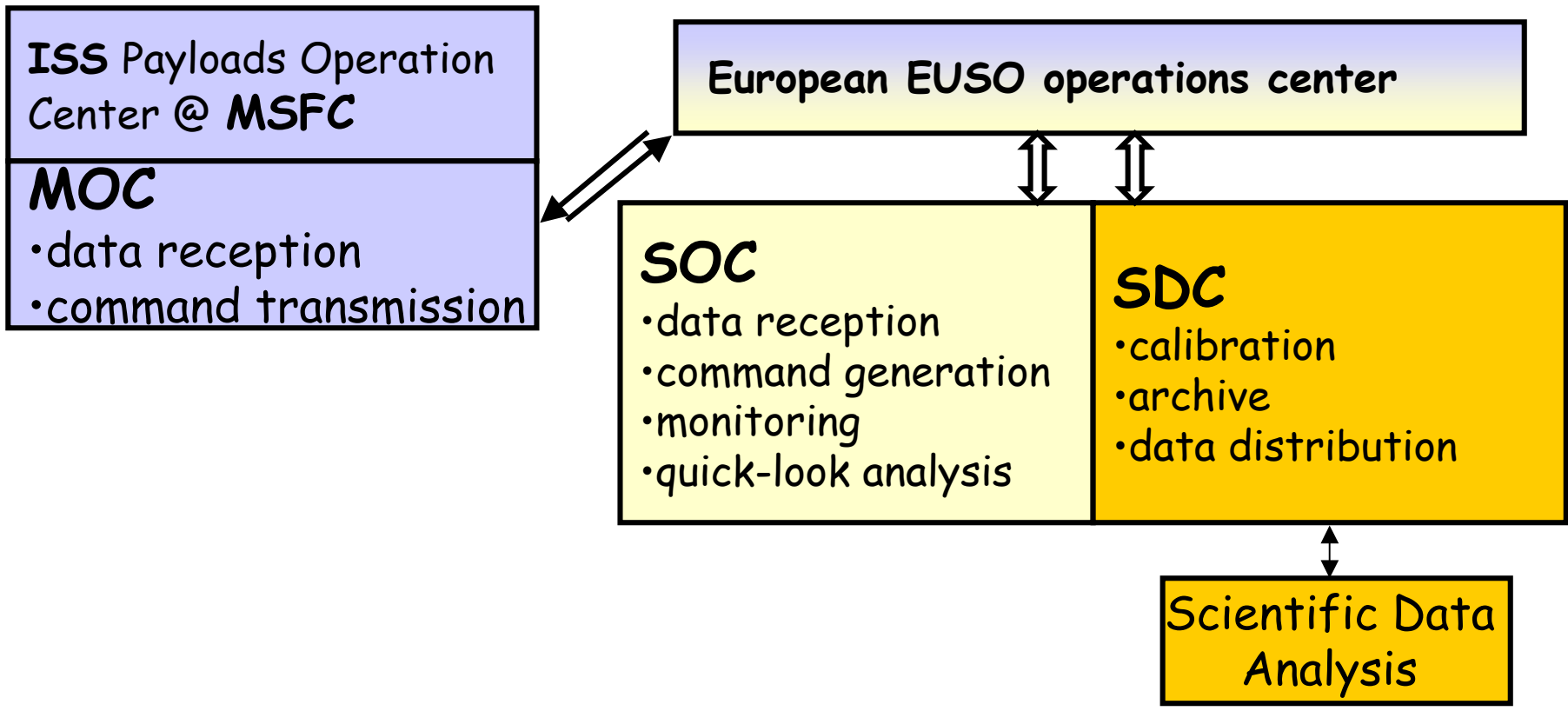


## Pre-phase A activities

EUSO General meeting  
Annecy, 2<sup>nd</sup> of October 2001  
M.C. Espirito Santo/LIP Lisboa

# EUSO Ground Segment ( as of IDD)

EUSO  
telemetry



Phase A:

"better definition of the nature and location of the ground segment components"

# EUSO Ground Segment (GS) - Phase A

Ground Segment in Phase A: not a real development phase but...

It is important in Phase A to identify problems and solutions, suggesting ways to approach the issues of scientific data

Collection  
monitoring  
certifying  
distribution  
archiving

## Some key-issues:

- Data definition (scientific, housekeeping, atmospheric)
- Databases (internal and external)
- Detector parameters - interaction of EUSO subsystems
- Calibration
- Quick-look
- Communications
- ...

- Evaluation of needs  
(data storage, communication, manpower, budget...)

# EUSO GS: pre-phase A studies

## ⌘ Collecting info

☒ ... looking at **other missions**

- Visits (Integral, XMM, Medoc)
- Proceedings (ADASS, SpaceOps, DASIA)

☒ ESA **SW requirements** documents

⌘ **GS workshop** (Lisbon, 19-20 November 2001)

# GS workshop - goals & structure




## The Goal:

The idea of the workshop is to join experts, EUSO people and SW companies in order to help setting up the development framework of the EUSO GS

## The general structure of the workshop:

- ☒ 1<sup>st</sup> morning: general overview EUSO+ESA (broader audience)
- ☒ 1<sup>st</sup> afternoon: GS organization and experience from other missions
- ☒ 2<sup>nd</sup> morning: the possible role of SW companies in GS development
- ☒ 2<sup>nd</sup> afternoon: EUSO GS meeting

# GS workshop - Agenda (I)



## Monday, 19<sup>th</sup> of November - morning

- ⌘ 9h30 Registration
- ⌘ 9h45 Welcome
- ⌘ 10h *The ESA high energy astronomy program* A.Parmar (ESA)
- ⌘ 10h40 Coffee break
- ⌘ 11h *The EUSO project* L. Scarsi (CNR-IFCAI, Palermo)
- ⌘ 12h *The EUSO instrument* O. Catalano (CNR-IFCAI, Palermo)
- ⌘ 12h30 Lunch

# GS workshop - Agenda (II)

Monday, 19<sup>th</sup> of November - afternoon

- ⌘ 14h30 *EUSO phase A objectives and activities* G.Gianfiglio (ESA)
- ⌘ 14h50 *The role and scope of the scientific GS in ESA science missions* J.Clavel (VILSPA/ESA)  
G.Gianfiglio (ESA) / TBC
- ⌘ 15h35 *ISS payloads GS organization*
- ⌘ 16h10 *Coffee break*
- ⌘ 16h30 *The Integral science data center* N.Produit (ISDC, Geneve)
- ⌘ 17h15 *The ASI science data center* P. Giommi (ASI, Rome)
- ⌘ 18h *Discussion*
- ⌘ 18h30 *End of the session*
- ⌘ 20h *Dinner*

# GS workshop - Agenda (III)

## Tuesday, 20<sup>th</sup> of November - morning

- ⌘ 9h30 *The role of SW companies in space projects* T.Tolker-Nielsen (ESA)
- ⌘ 10h30 Coffee break
- ⌘ 11h Presentations from portuguese SW companies:
  - *Critical SW*
  - *EdiSoft*
  - *SkySoft*
- ⌘ 12h Discussion
- ⌘ 12h30 End of the workshop

## Tuesday, 20<sup>th</sup> of November - afternoon

- ⌘ 14h30 EUSO GS meeting (agenda to be defined)



# GS workshop - Logistics

- ⌘ The workshop will take place on the **19<sup>th</sup> and 20<sup>th</sup> of November**, in the Museum of Science of the University of **Lisbon**
- ⌘ All info can be found in:
  - 📧 [www.lip.pt/wgs/](http://www.lip.pt/wgs/) Workshop page
  - 📧 [www.lip.pt/~euso/](http://www.lip.pt/~euso/) EUSO Lisbon pageor by e-mail: **euso@lip.pt**
- ⌘ **Important:** please fill in the **application form** in the Web page!
- ⌘ A pre-reservation was made in Hotel Amazonia, to be confirmed by the **26<sup>th</sup> of October**

... Welcome to Lisbon !