

# EUROPLANET

**A Coordination Action of the EU-FP6  
in support to the strengthening of planetary sciences**

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C. Guidice, I. Muller-Wodarg, O. Witasse, G. Chanteur, O. Dutuit, F. Ferri, B.  
Kazeminejad, N. Krupp, H. Matti, S. Miller, M. Roos-Serote, H. Rucker, R.  
Srama, K. Szego, J. Zarnecki.

# Origin of the project

- The Cassini/Huygens community is aware of the insufficient resources devoted to data analysis and interpretation, and of the lack of coordination at the european level.
- Action is needed to :
  - Bring additional resources
  - Involve a broader community in the science of the mission.
- The Cassini-Huygens Plasma Science Group (PSG) gave its support to an initiative by M.Blanc and M. Dougherty to prepare a proposal to the European Commission.
- **But what program to use ?**

# The Instrument used

- 6<sup>th</sup> FP

  - Action 3 « Structuring the ERA »

- Programme : Infrastructures

- Instrument: Coordination Action

  - = Networking of participant teams

# Structure of the 6th FP

Integrating European Research (76%)								
Thematic priorities (65%)						Specific activities (11%)		
Genomics and biotechnology for health	Information society technologies	Nanotechnologies, intelligent mat., new production processes	Aeronautics and space	Food safety and health risks	Sustainable development and global change	Citizens and governance in the knowledge society	Policy-oriented research	Frontier research NEST
							Specific SME activities	
							Specific international cooperation activities	
							JRC activities (non nuclear)	

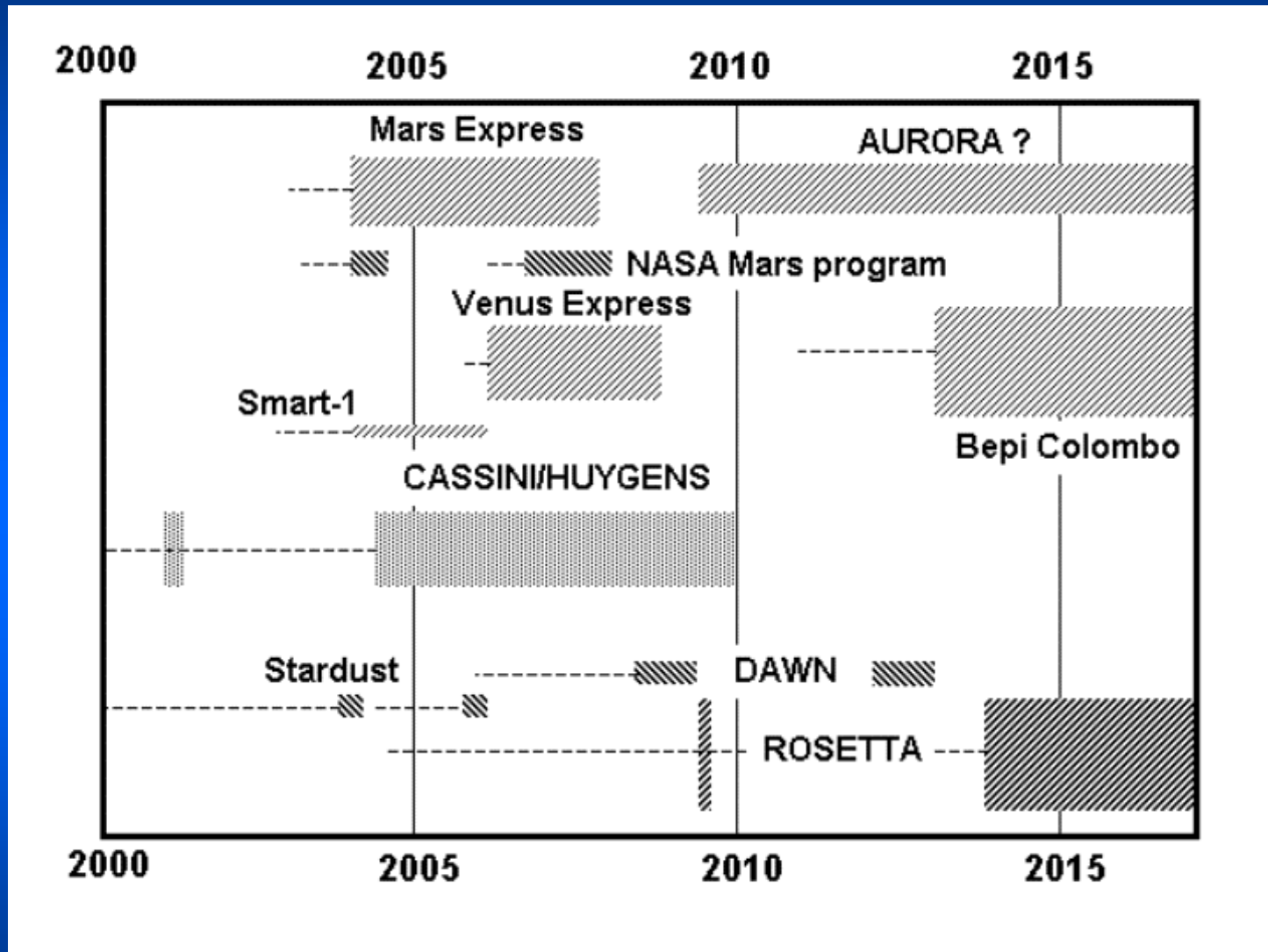
Structuring the ERA (15%)			
Research and innovation	Human resources & mobility	Research infra-structures	Science and society

Strengthening ERA foundations (2%)	
Coordination of research activities	Support to research and innovation policy

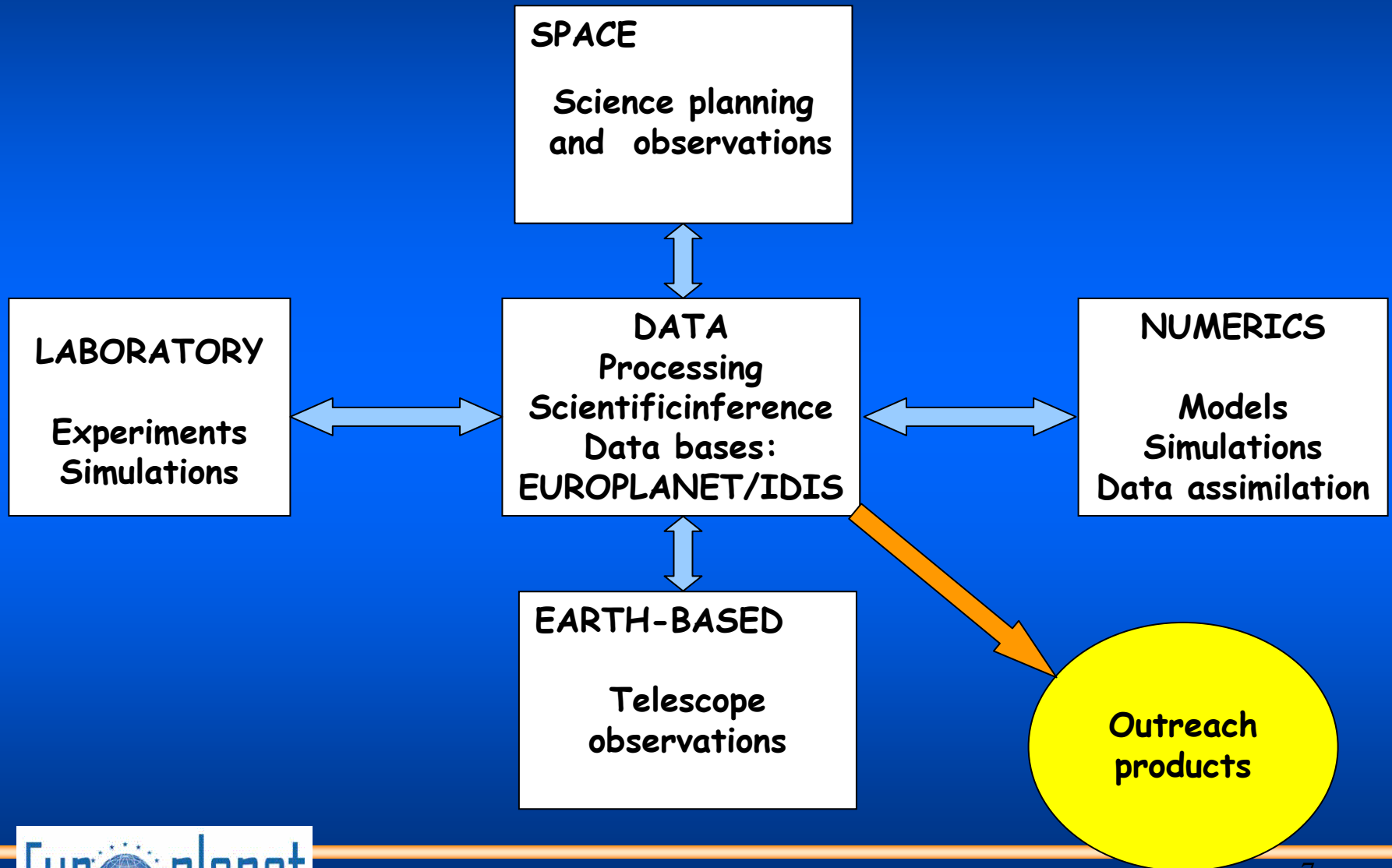
# History of the proposal

- 2003/04 : a proposal was submitted in response to the Research Infrastructures call.
- 2003/08: EUROPLANET ranked 29 out of ~ 150 propositions, but in a complementary list of 10.
- 2004/04 : the EC decided to fund the complementary list.
- 2004/05 : beginning of negotiations with th EC
- EUROPLANET accepted on October 20th 2004
- 2005/01/01 : network activities started for 4 years

# Planetary missions in Europe: 2000-2017



# Networking planetary sciences: basic concept



# Key figures

- Project duration : **48 months**
- Budget : **2 M€**
- Number of labs involved : **60**
- Number of participants : **40**
- **17** countries represented

## The EC contribution will:

- **set-up the network**
- **stimulate exchanges and joint research activities**

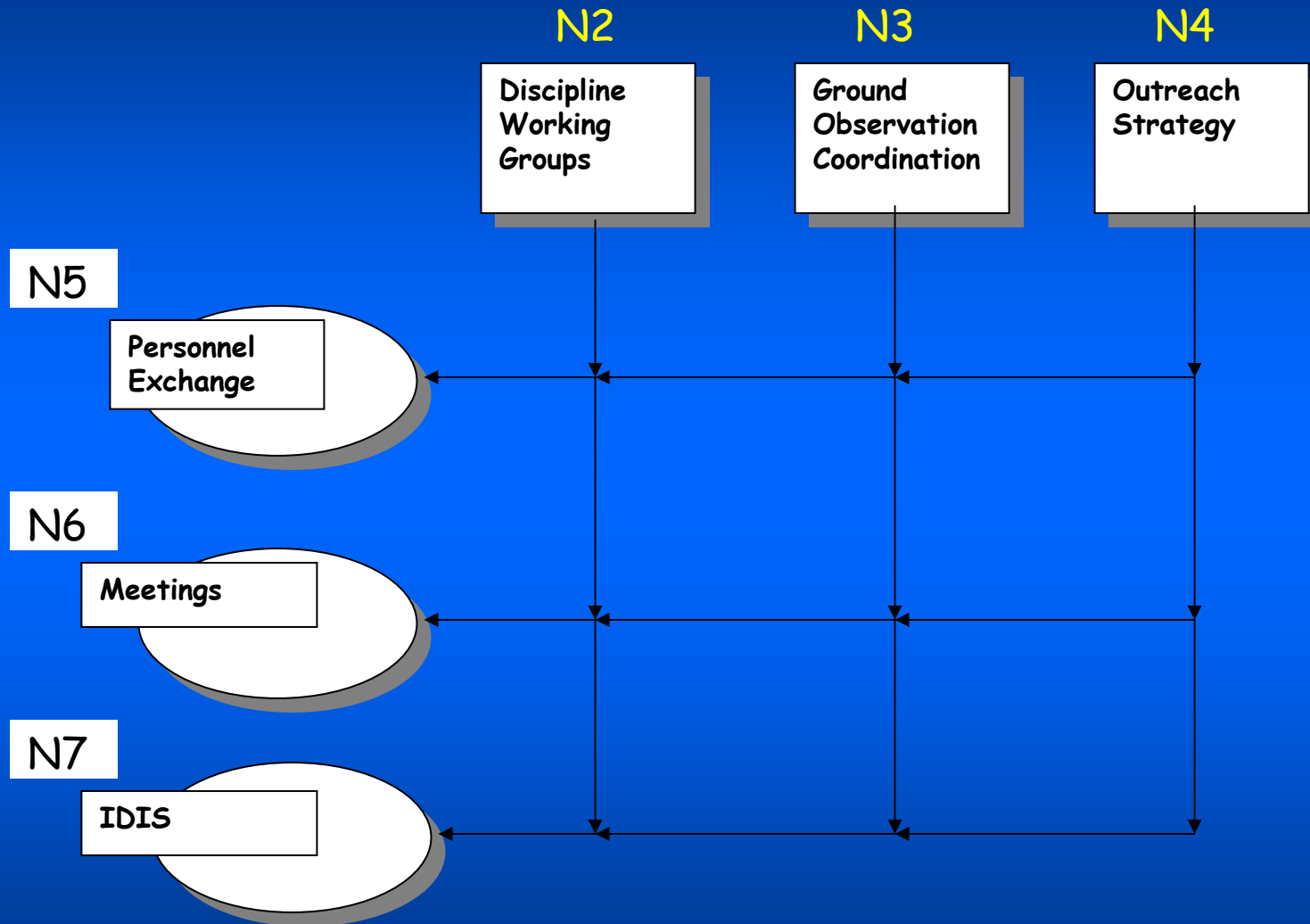
But not fund research internal to participants.



# EuroPlaNet Participants

- **France:** OMP, LAM, IPSL, LPPM, LCP, Obs. Paris, LISA, Rennes Univ., IAS, LPG, LURE, LPCE, LPGN, **CNES**
- **U.K.:** Open Univ., U. Leicester, Oxford Univ., MSSL, Imperial, U. Liverpool, UCL, CCLRC
- **Germany:** DLR Braunschweig, IPG Wirtzberg, IfP Muenster, MPI Lindau, MPI Heidelberg, TUM Munchen, IfP Postdam
- **Austria:** IWF Graz
- **Greece:** ERL Heraklion
- **Romania:** AIRA, Bucharest
- **Italy:** **ASI**, U. Trento, CISAS Padova, UNIPG Perugia, IASF Roma, Upa Napoli, IRSPS Pescara, IFSI Roma,
- **Portugal:** IST-UTL Lisboa, U. Porto
- **Finland:** FMI Helsinki
- **Sweden :** IRF Uppsala
- **Belgium:** Royal Obs. Belgium
- **Spain:** IAA Granada
- **Switzerland:** Univ. Basel
- **Hungary:** KFKI-RMKI
- **Netherlands:** JIVE
- **Poland:** SRC, IPC-PAS
- **Czech Rep.:** Prague Obs.
- **ESA**

# Objectives and activities



# Activities: budget and coordinators

Activity Number (% budget)	Descriptive Title
<b>N1 (7%)</b>	<b>Management of CA</b>
<b>N2 (10)%</b>	<b>Discipline Working Groups</b>
<b>N3 (15%)</b>	<b>Coordination of Earth Based and Space Observations</b>
<b>N4 (10%)</b>	<b>Outreach strategy</b>
<b>N5 (10%)</b>	<b>Personnel Exchange</b>
<b>N6 (20%)</b>	<b>Meetings, Conferences</b>
<b>N7 (25%)</b>	<b>Integrated and Distributed Information Service (IDIS)</b>

## COORDINATORS

Blanc, Dougherty/Muller-Wodarg, Sciortino

Krupp, Matti

Rucker, Miller

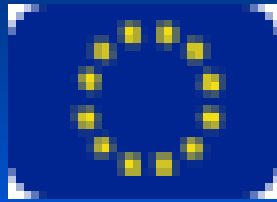
Zarnecki, Lebreton

Dutuit, Szego

Srama, Roos-Serote

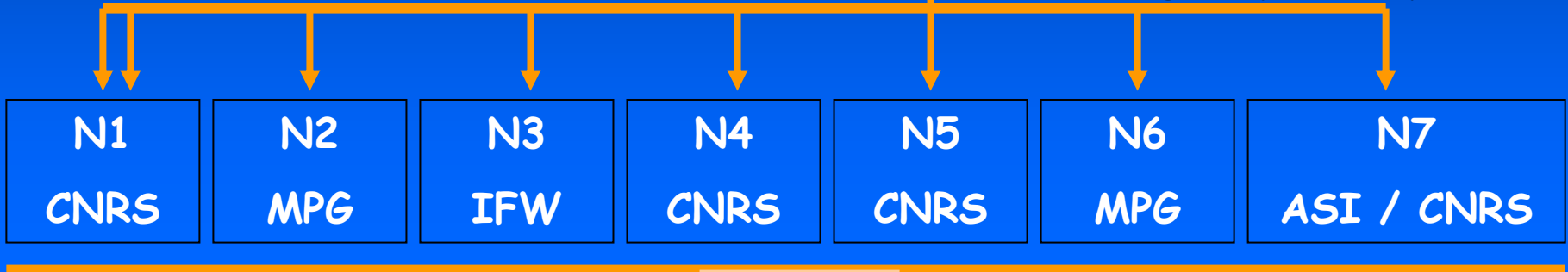
Chanteur, Flamini (ASI)

# Scheme for the distribution of funding



**Coordinator  
(CNRS-DR14)**

Budget by activity



EUROPLANET PARTICIPANTS

Funds received as a function of the participation to the different activities

# N1: EUROPLANET Management

## Decision-making Bodies

### Consortium Coordination Committee (C3)

#### Consortium Management Office (CMO)

Coordinator (Europlanet Project Scientist)  
Deputy Coordinator for Science  
Deputy Coordinator for Management  
Executive Secretary  
Project Manager

12 Activity (Action) Coordinators

N2

N3

N4

N5

N6

N7

## Day-to-day Mgmt

### Programme Office (PO)

Coordinator (Europlanet Project Scientist)  
Deputy Coordinator for Management  
Executive Secretary  
Project Manager  
All necessary staff

Science Advisory Board  
(SAB)

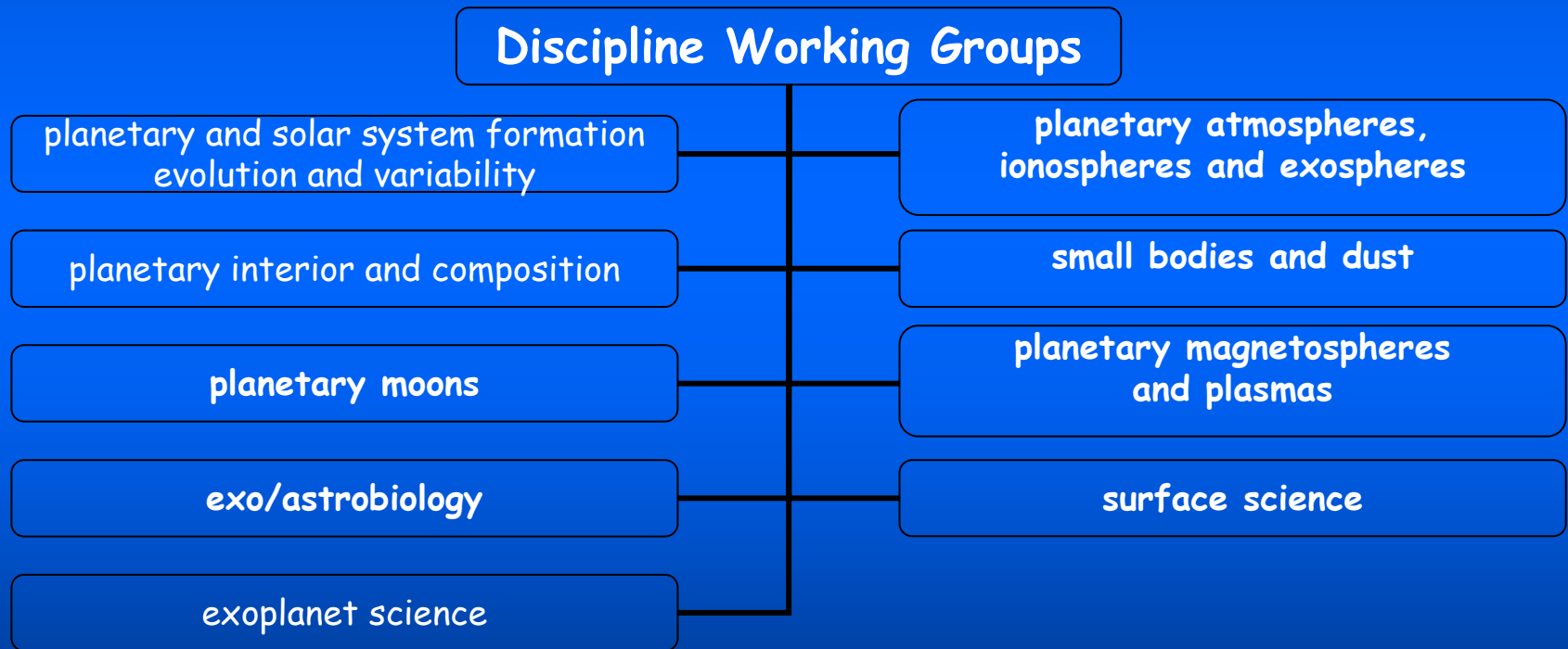
General Assembly (GA)  
one representative of  
each Europlanet Participant

Management Advisory Board  
(MAB)

## Advisory Bodies

# N2: Discipline Working Groups

Step 1 : DWGs linked to the Cassini/Huygens mission .



# N3: Coord. Earth based & space observations

- . Develop synergies between the *in-situ* exploration of Saturn and Titan, ground and earth-orbit observations.
- . Establish a global observation strategy (including access to telescopes).
- . Exchange and jointly analyse the data obtained.

# N4: Outreach

- . Identify EuroPlaNet as a contact point for Planetary Sciences in Europe.
- . Develop science communication on planetary observations and exploration programmes for european citizens, especially children and young people.



# N5: Personnel exchanges

- . Fund short-term exchanges of personnel in support to joint research projects
- . Foster long-term cooperations.
- . First AO opened January 7th, closed February 15th, 2005

# N6: Meetings

- . Organize EuroPlaNet General Assemblies.
- . Work with EGU towards the creation of major planetary sciences meetings in Europe (starting in 2006)
- . Organize dedicated science workshops

# N7: IDIS

- . Coordinate preliminary studies of IDIS  
(Integrated and Distributed Information Service)
- . In the prospect of the future development of a European  
planetary virtual observatory(7<sup>th</sup> FP)

# N7 : IDIS building elements

- 1 - **Earth-based observations**, including both ground and space telescopes in all spectral domains
- 2 - **Space missions** (remote or *in situ* observations)
- 3 – **Models, numerical simulations**
- 4 - **Laboratory experiments**  
(fundamental processes, and planetary simulators)
- 5 - **Databases and information systems** dedicated to given sub-fields
- 6 - **Public outreach effort and educational products**

# N7 : IDIS principles

- 1 – **Do not duplicate developments or existing data**
  - but offer a forum for exchanging experiences, ideas
- 2 – **Foster interoperability between data bases related to a given field**
  - planetary interiors, surfaces, atmospheres, exospheres ...
- 3 – **Offer benchmarks for planetary simulations**
- 4 – **Foster interdisciplinary investigations**
  - data analysis, models and simulations

# Kick-off Meeting

The first day of the General Assembly  
of the European Geosciences Union

In Vienna, Austria

April 24th

# EUROPLANET KICK-OFF MEETING and GENERAL ASSEMBLY #1

Announcement and call for participation

*24th April*

*Vienna, Austrian Academy of Sciences (Theatersaal)  
Sonnenfelsgasse 19 (first floor)*

The Europlanet consortium cordially invites you to participate at the Kick-off meeting of the Europlanet project. The meeting will be held in Vienna in conjunction with the EGU conference.

The goal of the Europlanet Kick-Off meeting is the presentation of the objectives of Europlanet and the introduction of the Europlanet activities to the participating group. Further the individual participants can show and develop their connection to the Europlanet network.

## **Preliminary agenda, April 24th**

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M. Blanc	Welcome
Austrian Academy of Science representative	Welcome
Scientific overview talks (Huygens, Cassini Orbiter and ground-based observations)	
Europlanet coordinators	Activity overview
All	Europlanet dinner

