EUROPLANET N7 - N2 Workshop
24-26 April 2006

Overview of N2 science cases

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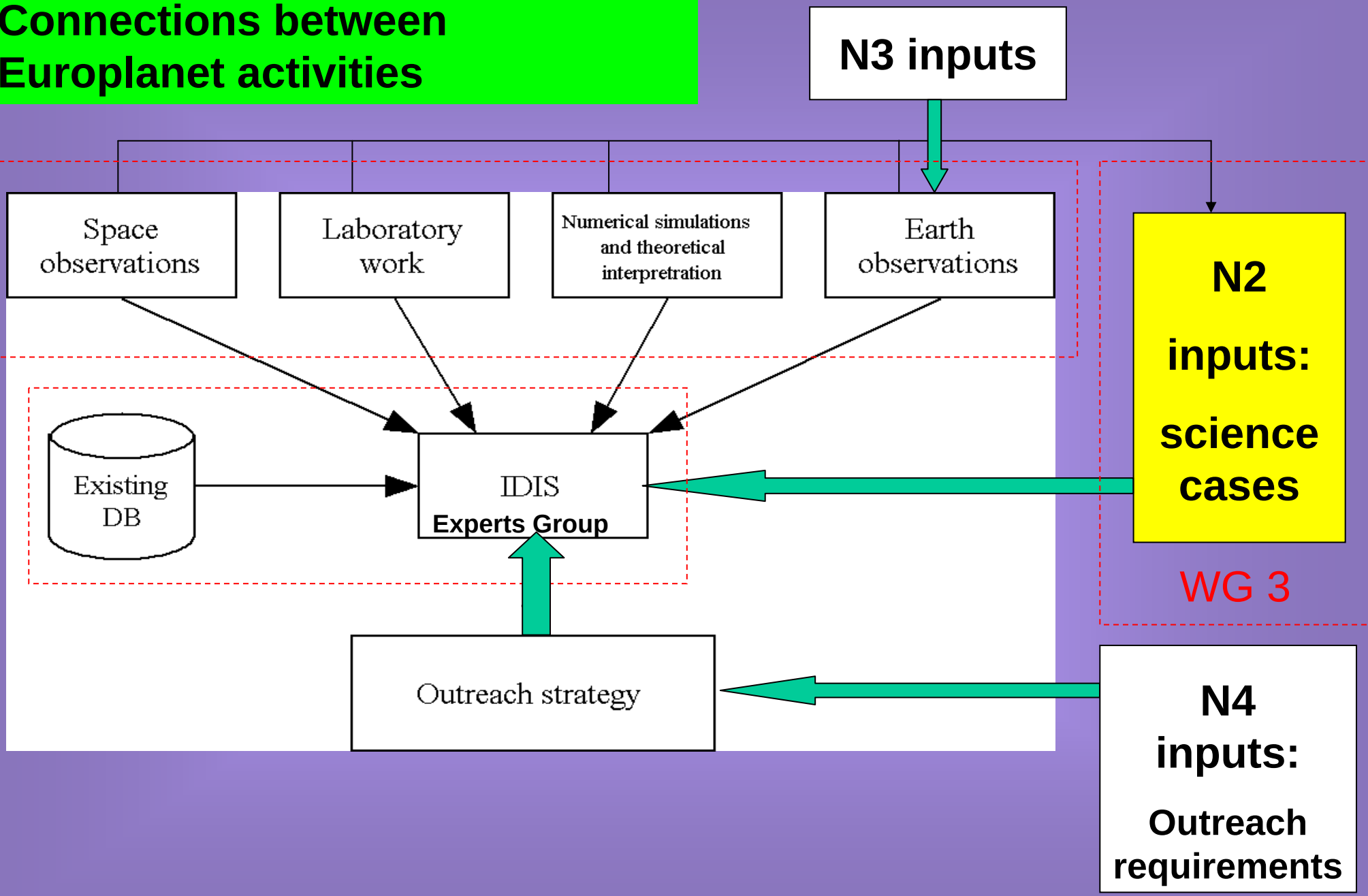
Connections between Europlanet activities



N2 Working Groups

DWG 1	atmospheres, ionospheres, exospheres
DWG 2	planetary magnetospheres and plasmas
DWG 3	surface science
DWG 5	planetary moons
DWG 4	small bodies and dust
DWG 9	solar system formation
DWG 6	exo/astrobiology
DWG 7	exoplanets
DWG 8	planetary interior and composition

N2 activity on Science Cases

- Build-up of the working groups with various scientific disciplines (DWGs)
- Operations of the WGs in preparation of the N2 -meeting in Northeim in 21.-23 Nov, 2005.
- First N2 -workshop (21.-23,11,2005) with 30 participants.
- Generation of the set of science goals for the Europlanet activity. The results of that task are being refined and worked on.
- Web-site with science case descriptions: http://www.mps.mpg.de/en/projekte/europlanet/
- Defining a few science cases for IDIS has started. To that end we have identified some 20 cases, which have been analyzed to be utilized in the specification of the IDIS database.

Overview of SC output to IDIS: 1) Database generic SC info

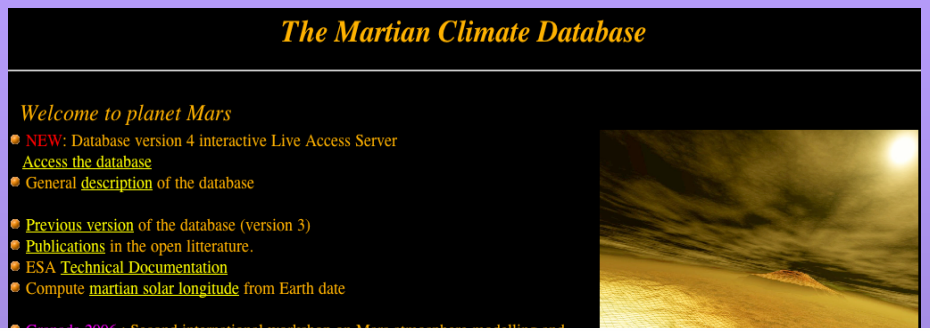
- SC description
- Description how this SC has been tackled earlier
- Contact addresses of persons and groups that work on that topic
- Basic reference papers (bib data)
- Available data sets (access info + instructions)
- Existing methods and tools (addresses, access)
- Plus additional generic info applicable to all SCs

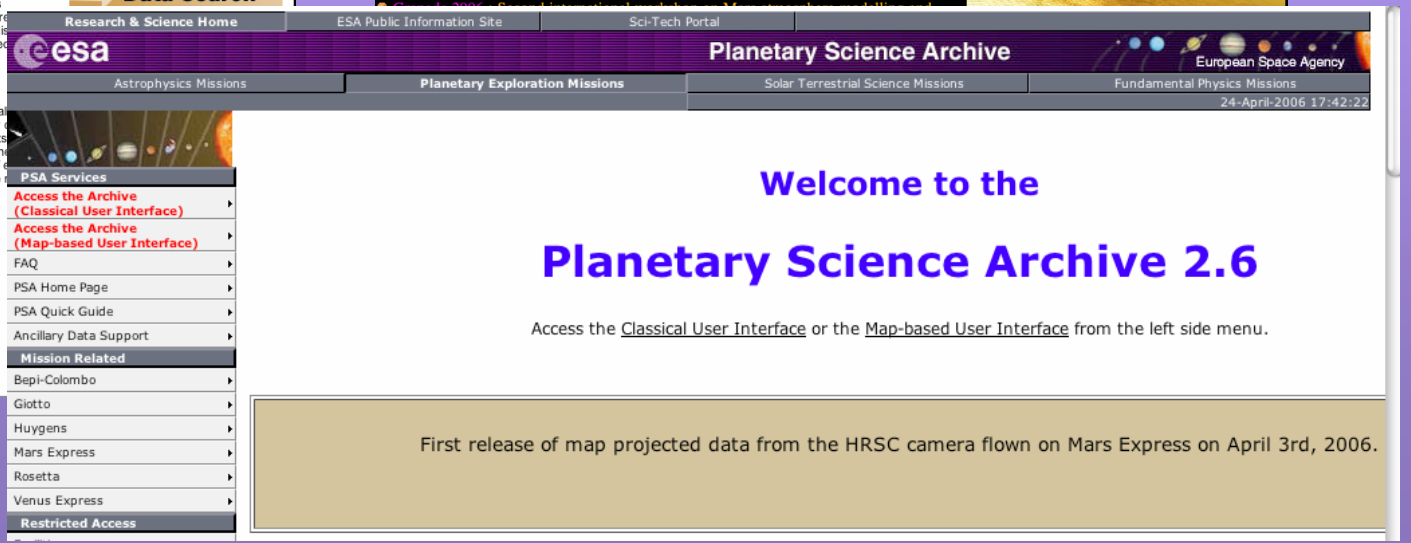
Overview of SC output to IDIS: 2) Database specific SC info

- Identification of new data processing tools that could be shared by the whole community
- Need for access to some specific data storages that are not publicly available (e.g. community licence)
- Provision of data from various missions/instruments in an integrated form, e.g. P (surface), W,T -fields of a planetary atmosphere.
- This type of topics may be part of our FP7 proposal

3) Engouragement to use existing sources

- PSA, PDS, MCDB access info
- Simple usage examples to promote utilization





N2 science case presentations

- A-M Harri: N2 Science cases overview and considerations on db design
- Francois Leblanc DWG-1: Planetary atmospheres
- Bjorn Grieger, DWG-1
- Norbert Krupp, DWG-2: planetary magnetospheres and plasmas
- Athena Coustenis, DWG 3/5/9 surface science+planetary moons
- Mike Toplis, DWG8: planetary interior and composition
- Olivier Grasset, DWG-3/5
- Amara Graps, DWG-4+9: small bodies and dust+solar system formation
- Walter Schmidt, DWG-4+9:
- Teemu Makinen, DWG-4+9:
- Helmut Lammer, DWG-6+7: exo/astrobiology+exoplanets