

PROPOSED INTERIM SCIENCE PLAN

Europa Jupiter System Mission (EJSM)

Objectives

- **Continue direct science involvement with JEO, JGO Projects**
- **Build the case for JGO to get through ESA “gates”**
- **Refine joint aspects of EJSM (JEO, JGO; possibly JMO and EL)**
- **Incorporate “the best” from both studies (EJSM and TSSM)**
- **Engage broad science community and public support**

HOW TO GET INVOLVED?

Review the full EJSM report opfm.jpl.nasa.gov

Respond to requests for help

Instrument etc. proposals

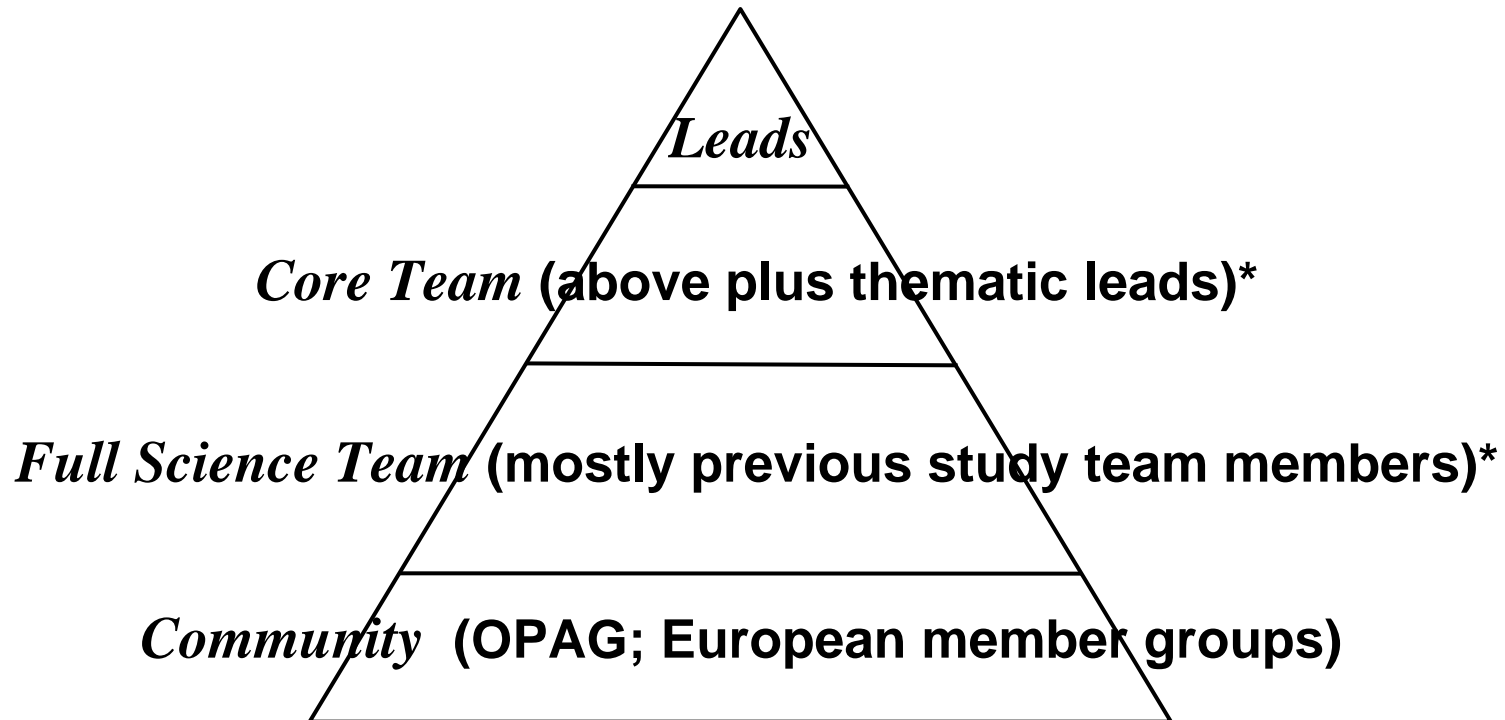
Workshops (organization and participation)

Special sessions (organization and participation)

Other?

EJSM SCIENCE PLAN

Proposed science structure



**Supplemented with Titan Study members*

EJSM SCIENCE PLAN

Implementation approach

- Project issues *approached top-down in the pyramid*
 - Core: Thematic Groups are key
 - Ad hoc groups formed as needed
 - Can reach as far in the pyramid as needed
- Community-wide activities *approached from the bottom up*
(i.e., starting with the community such as OPAG discussions)

EJSM TASKS

Project-science issues

- **Address weaknesses, especially regarding instruments**
- **Advance *synergistic science*: refine objectives, determine requirements**
- **Work tour design(s) to balance science, especially for synergism and assess “trades”**
- **Up-date ESA *Science Requirements Document* (action item for Jean-Pierre); support DDI (?)**
- **Refine and promote JGO science**
- **Refine and promote Jupiter System Science**
- **Other**

EJSM COMMUNITY ACTIVITIES

Workshops

- **Community engagement, sharing of results, and input to the project**
- **Potential workshop topics:**
 - Instrumentation in the radiation / PP environment*
 - Laboratory studies*
 - Numerical / analytical studies*
 - Field analog studies*
 - Other ?*
- **Workshop venues:**
 - Stand-alone*
 - Associated with OPAG and/or other meetings*
 - Other ?*
- **Provide recommendations to NASA, ESA and ESA member states for research supporting programs**

EJSM COMMUNITY ACTIVITIES

Scientific meeting sessions

- **Science theme focus (e.g., geophysics of icy satellites)**
- **Planetary body focus (e.g., Ganymede)**
- **Web-sites (TBD)**
- **Other ?**

Near Term

- **EGU-Vienna “Town Hall” meeting Tuesday 21 April 1200 to 1330**
- **Instrument workshop(s) (~July 2009)**
- **EPSC-Potsdam ‘09 tentative sessions 14-18 Sept. 2009**
 - **Giant Planet Systems**
 - **Satellite atmospheres and exospheres**
 - **Satellite surfaces, interiors, and exchanges processes**
 - **Ganymede science and exploration**
 - **Workshop: in situ exploration of Europa and Ganymede**
 - **Workshop: observational techniques for the Jovian system**

EJSM sessions at the joint EPSC-DPS meeting for 2011

