Euclid

Mapping the Geometry of the Dark Universe
Science:

• Very clear, strong and convincing and clear science shown.
  – Cosmology
  – Legacy. Most important to publicise!
Feasibility

• Impressive simulations. Performances show that the requirements are all met.

• Very recent results from GREAT 10 are more than encouraging: we are already below the upper limit requirements

• Telescope concepts: no show stopper, no feasibility issues have been shown, we may even have margins on the critical parameters...

• ... but mass budget needs further investigations

No show stoppers, mission feasible.
Ground segment

• Documents delivered to ESA by Sept. 5
• Not clear how ESA will organise reviews on SGS
• Ground Segment is the most important contribution provided by the consortium
ECM: WP - cost contribution

Euclid Consortium

Euclid Meeting
Bologna, Sept. 7, 2011
Euclid: Ground segment

Ground segment

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• Difficult points:
  – Quality control
  – OU versus SWG (in particular OU-LE3):
    • July 29 meeting
    • September 15-16
  – Organise activities with new countries
Euclid: what next (urgent)

- Endorsement of the SciRD by EST (last Tuesday)
- Final Flow down of requirements: in progress since June
- Fixed some critical issues: compensating mechanism for NISP filter wheel and grism, mass budget
- Consolidate performance budget and reference mission operation concept
- Consolidate and optimise spacecraft design and interface between the spacecraft and instrument
- Update PERD, MRD and MOCD accordingly
- Verify the E2E performances with very last requirements and design
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September, October, November will be VERY busy.
## Euclid: what next

### Euclid Meeting

**Bologna, Sept. 7, 2011**

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<tr>
<th>Date</th>
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<td>July 2010</td>
<td>Release of AO for payload and SGS components</td>
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<td>October 29, 2010</td>
<td>Proposals Due</td>
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<td>November 2010-January 2011</td>
<td>Internal evaluation</td>
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<td>January 17-18, 2011</td>
<td>AWG recommendation</td>
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<td>February 1-2, 2011</td>
<td>SSAC recommendation</td>
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<td>February 10-11, 2011</td>
<td>SPC selection of EMC</td>
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<td>May 2, 2011</td>
<td>Solicitation for update of EMC Implementation proposal</td>
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<td>June 21-22, 2011</td>
<td>SPC approval of updated SMP</td>
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<td>Mid July, 2011</td>
<td>Submission of updated Implementation proposal for payload</td>
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<td>Early September, 2011</td>
<td>Extended deadline for submission of updated Implementation phase proposal for SGS</td>
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<td>July-September, 2011</td>
<td>Evaluation of updated EMC Implementation proposal</td>
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<td>September 12, 2011</td>
<td>AWG recommendation for M1/M2 mission selection</td>
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<td>September 13, 2011</td>
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<td>October 4, 2011</td>
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<td>October-December 2011</td>
<td>MLA negotiations with national funding agencies</td>
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<td>Advisory Structure recommendation for EMC confirmation</td>
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ECM what next... if selected

Euclid Consortium

[Diagram showing project timeline with milestones such as B2 Kick Off, IPDR, STM Deliv., EM Deliv., FM Deliv., FS Deliv., and Project Office WPs (breakdown according to project phases).]

Instrument Overall WP Breakdown
Thank you …

… and thank you very much

Luca and the LOC

for the excellent organisation!