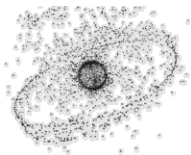


WG1 Report

30th IADC Plenary, May 25, 2012

Thomas Schildknecht, Fabrizio Piergentili
WG1 Chair, Deputy Chair

30th IADC Meeting, May 22 – 25, 2012,
CSA, Montreal, Canada

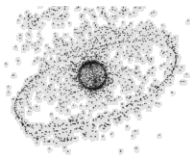


- **Participants**

- 11 delegations, 25 participants

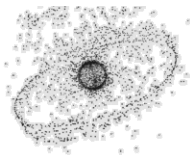
- **Sessions**

- 8 Sessions
 - 1 joint WG1 /WG2 session
- 22 technical presentations
- Reports and discussions of Internal Tasks
- Reports and discussions of open Action Items
 - 1 report submitted to SG in January
 - 2 reports about to be submitted to SG
- Preparation of 2 new Internal Tasks



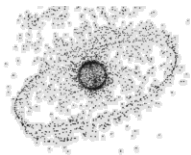
■ Open Action Items

- AI23.2 Investigation of high A/m ratio debris in higher Earth orbits
 - draft to SG by September 1
- AI23.4 International 2007 optical observation campaigns in higher Earth orbits
 - draft to SG by Sept. 1
- AI25.1 International 24h LEO space debris measurement campaign 2008
 - Draft Report to SG by November



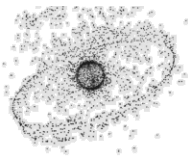
■ WG1 /WG2 joint session

- Discussion of a new version of the WG1 /WG2 Data Exchange Document (IT25.1) provided by WG2
 - new regions of interest to be observed
 - new data type “detection list”
 - new data type “light curve”
- WG1 to provide consolidated response to WG2 proposing an updated data exchange document by August 2012
- WG2 to assess specific modeling needs concerning the light curves (all altitude regimes and object classes) by September 2012



■ WG1 On-Going Internal task discussion

- IT 25.2 Preparation of future High AMR campaign (V. Agapov, ROSCOSMOS)
 - closed, merged with IT30.1
- IT26.1 Preparation of new high Earth orbit campaign (P. Seitzer, NASA)
 - closed, merged with IT30.1
- IT 28.1 Calibration (V. Agapov, Roscosmos, T. Schildknecht, ESA)
 - to be continued in preparation of AI for IADC 31
- IT28.2 Comparison of CCD image processing approaches (P. Richard CNES)
 - questionnaire to be filled in by end of 2012



■ Future Role and Activities

New Internal Task IT30.1

„WG1 Review of WG2 Proposal for (AI 25.1) Data Exchange Document “

- Coordinators: T. Flohrer (ESA), P. Herridge (UKSA)

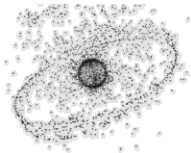
New Internal Task IT30.2

“Feasible options to study high orbit population of space debris”

- Coordinators: V. Agapov (Roscosmos) , F. Piergentili (ASI)

IT29.1 Investigation and comparison of techniques for tumbling rate assessment of massive LEO objects (F. Piergentili ASI, G. Stansbery NASA)

- list of target objects to be re-iterated
- AI to be prepared for submission to SG by Sept 1



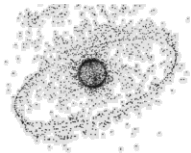
■ New Chairs of WG1

Chair

Fabrizio Piergentili (ASI)

Co-Chair

Phil Herridge (UKSA)



Thank you very much!