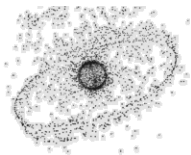


WG1 Activities and Open Action Items Report May 24, 2012

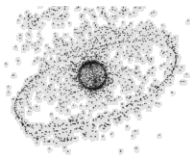
Thomas Schildknecht, Fabrizio Piergentili
WG1 Chair, Deputy Chair

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



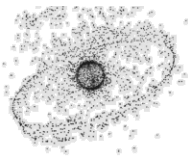
■ Open Action Items (update)

- **AI23.2 Investigation of high A/m ratio debris in higher Earth orbits**
 - draft by July 1 to be circulated in WG1
 - draft to SG by September 1
- **AI23.4 International 2007 optical observation campaigns in higher Earth orbits**
 - draft circulated in WG1 by May 21
 - comments by June 24
 - draft to SG by Sept. 1
- **AI25.1 International 24h LEO space debris measurement campaign 2008**
 - Draft Report to WG by October 2012
 - Draft Report to SG by November



■ WG1 /WG2 joint session

- 3 technical presentations from WG2
- 5 technical presentations from WG2
- 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 New Internal Tasks

New Internal Task IT30.1

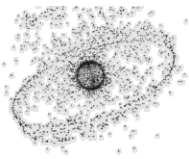
„WG1 Review of WG2 Proposal for (AI 25.1) Data Exchange Document “

- Coordinators: T. Flohrer (ESA), P. Herridge (UKSA)
- review the input received from WG2 on the data exchange format
- prepare a consolidated WG1 response to WG2 proposing an updated data exchange document by August 2012.

New Internal Task IT30.2

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

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



■ 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
- 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