## Long Term Sustainability

## A Topic For A New Space Era

A. Overview of LTS of Space Activities **B. Scope of LTS of Space Activities** C. Time Framework for LTS **D.** Concerns and Worries E. Are We Ready for the Topic?

## **Overview of LT** of Space Activities

Origin

- Brachet Paper on " Future role and activities of COPUOS"

- Space Community's contribution on awareness

raising (IADC, IAA, IAASS)

a Vienna) a

- Informal Working Meetings (2008 - 2009, Paris -

Preliminary Reflections (A/AC.105/C.1/2010/CRP.3)

### From an Item to a Working Group

- France informed STSC its proposal of an item on LTS for COPUOS (2008)

- French proposal postponed at COPUOS 51

- French revised proposal tabled to STSC but decision postponed to COPUOS 52 (2009)

- COPUOS 52 approved a new item for STSC with multi-year workplan

- A Working Group established by STSC on Feb.18
2010

- The ToR and methods of work of the Working Group adopted by COPUOS 54 (2011)

### From A Working Group to Work

- Working Group meetings

- Expert groups:

A (Sustainable Space Utilization supporting Sustainable Development on Earth)

B (Space Debris, Space Operations and Tools to support Collaborative Space Situational Awareness)

#### C (Space Weather)

D (Regulatory Regimes and Guidance for Actors In the Space Arena)

- Road Mapping at the IAC in Cape Town (2011) - Meetings of Expert Groups B,C,D

- Method of work for Expert Group B

- Work Plan for Expert Group

- Working on the presentation for workshop 2012

Scope of LTS of Space Activities

Scientific and Technica Issues

- Space Debris

- Space Operation

- Space Weather

### Management and Policy Issues

- Space Situational Awareness
  - Space and Sustainable Development
- Legal or normative Issues
  - Regulatory Regimes
  - Guidance for Space Actors

# Time Framework for LTS2011

- Develop ToR, method of work and workplan
- Establish expert groups and preliminary planning their activities
- Seek information from states and organizations

### • 2012

- General exchange of views

- Hold a workshop

- Continue gathering inforamtion and consolidation

- Draft the outline of the report

### • 2013

- Domestic review and assessment
- Hold a workshop to hear private sector and NGOs
- Develop a draft report
- Draft outline of the best practice guidelines

### • 2014

- Finalize the report and the best-practice
- Review by COPUOS
- Extension of workplan

### **Concerns and Worries**

- coordination or duplication
- IADC
- Governmental expert group on outer space transparency and confidence-building measures
- Space Weather miniative
- EU Space Code of Conduct
- Equal access vs new technical barrier
- Military trump all

## Are We Ready for the Topic?

- How to define sustainablity?
  - on earth
  - outer space
- Is there any other antry point?
  - environmentalism
  - sustainable development
- Global governance

