



# International Spaceborne Imaging Spectroscopy Technical Committee



*Karl Staenz & Andreas Mueller  
Co-Chairs*

## GRSS AdCom Meeting

Los Angeles, March 1 - 2 , 2013





## ISIS ACTIVITIES (1)

- **ISIS proposals accepted for the following sessions at IGARSS'13:**
  - **Spaceborne Imaging Spectroscopy Missions – Current and Future Activities (9 abstracts + 2 which are assigned to the wrong session)**
  - **Calibration of and Cross-Calibration with Orbiting Imaging Spectrometers (8 to 9 abstracts)**
- **Next TC meeting at IGARSS'13**





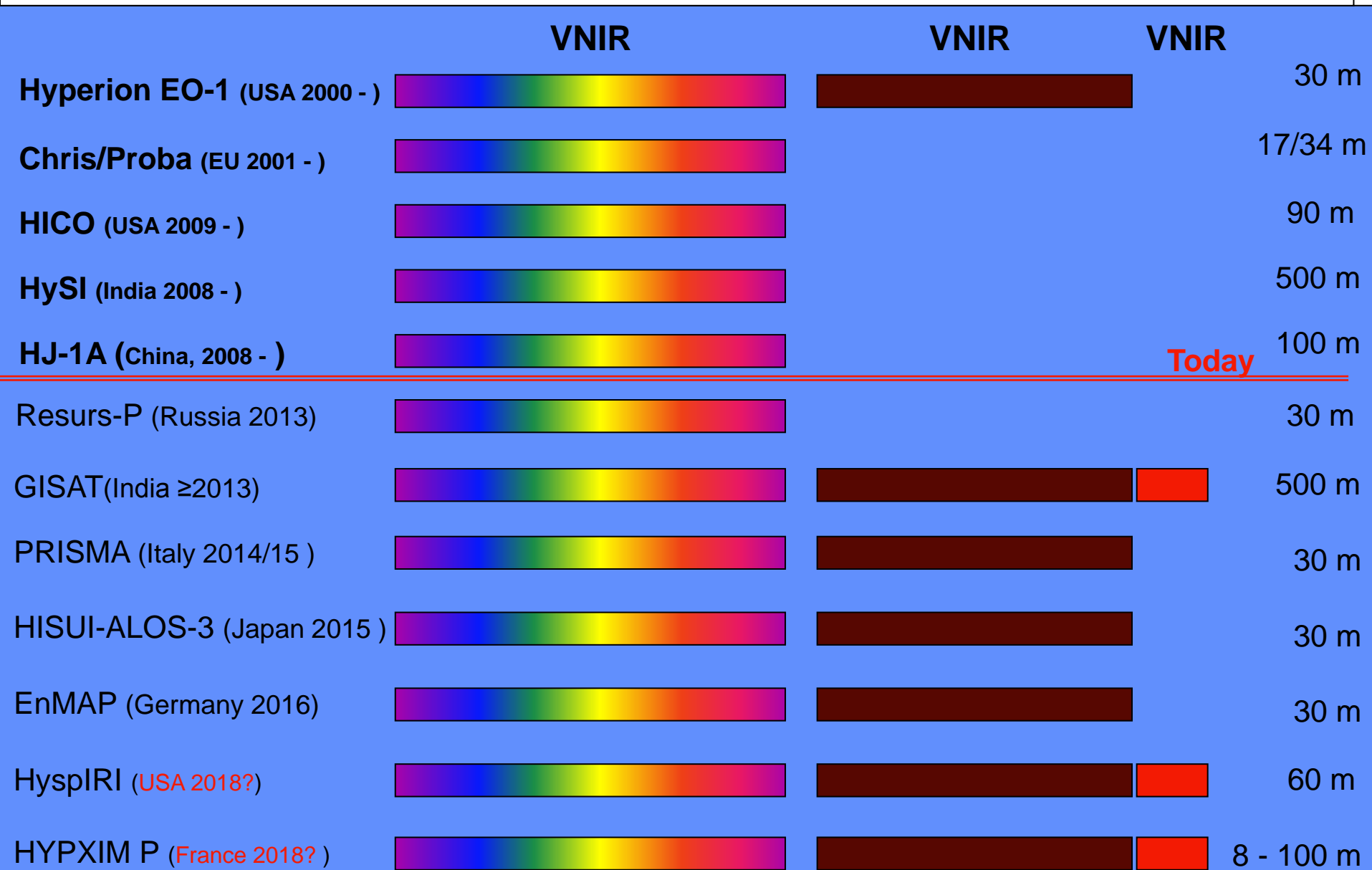
## Mission UPDATES

- **New Russian mission to be launched in the first quarter of 2013!?** It has the following sensors on board:
  - **Hyperspectral VNIR sensor (30-km swath width, 192 spectral bands, 30-m spatial resolution)**
  - **Narrow-swath multispectral VNIR sensor (38-km swath width, 7 bands + 1 PAN, 3 to 4-m spatial resolution (1 m PAN))**
  - **Wide-swath multispectral VNIR sensor (97/441-km swath width, 5 bands + 1 PAN, 24/120 m spatial resolution (12/60 m PAN))**



# Current and Planned Civilian Hyperspectral Satellite Missions

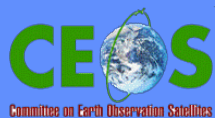
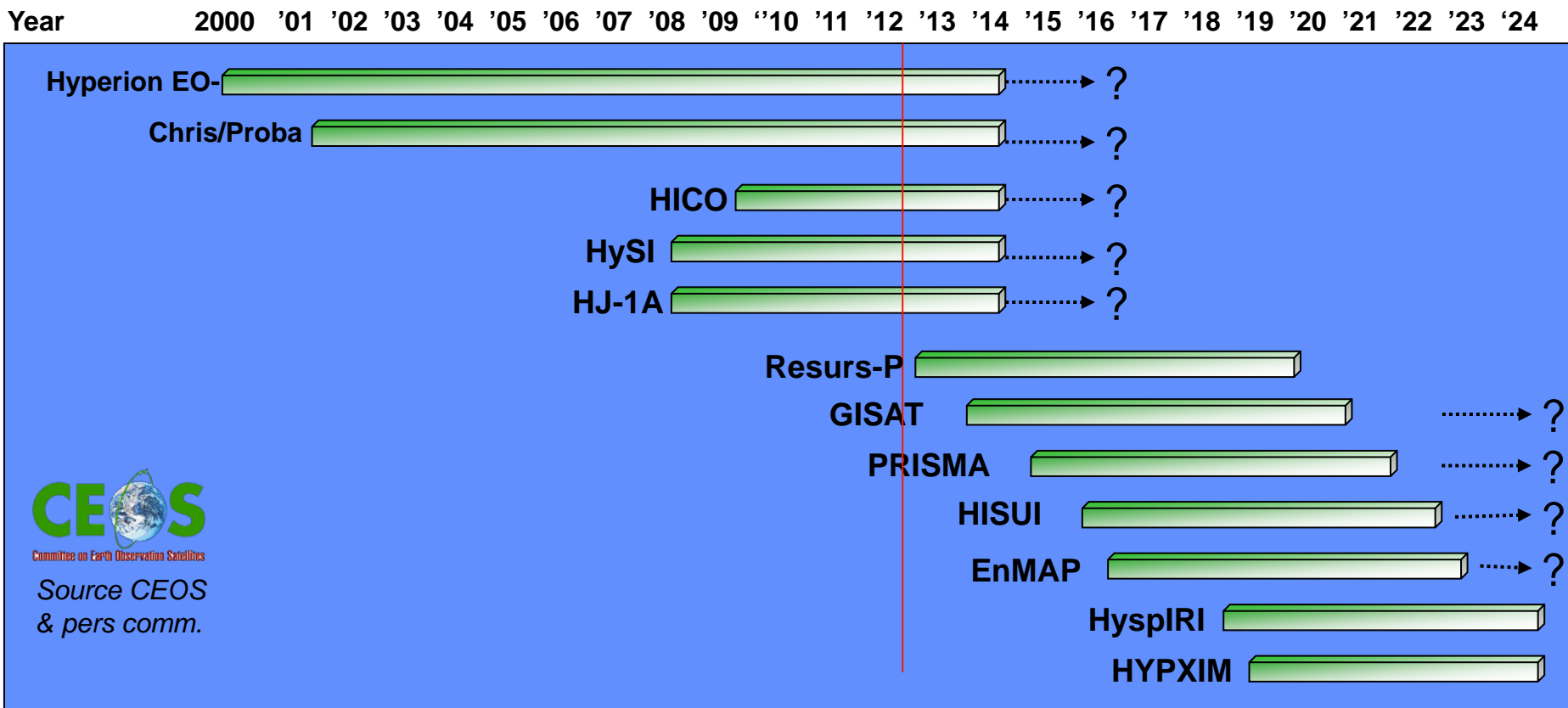
(Updated Feb. 2013)





# A "Virtual Constellation" of Spaceborne Imaging Spectrometers

(updated Feb. 2013)



Source CEOS  
& pers comm.

- Proceeded by unsuccessful proposals for e.g. ARIES, NEMO, Hydice, SPECTRA, etc.
- Supported by high Signal-to-Noise Airborne HSI systems
- Wide data access and data policies still are a key challenge
- Technical comparison of systems is difficult





## Purpose of ISIS

The ISIS TC provides a forum for technical and programmatic discussion and consultation among national space agencies, research institutions and other spaceborne imaging spectrometer data providers.

<http://www.grss-ieee.org/Resources/TechCommittees>

