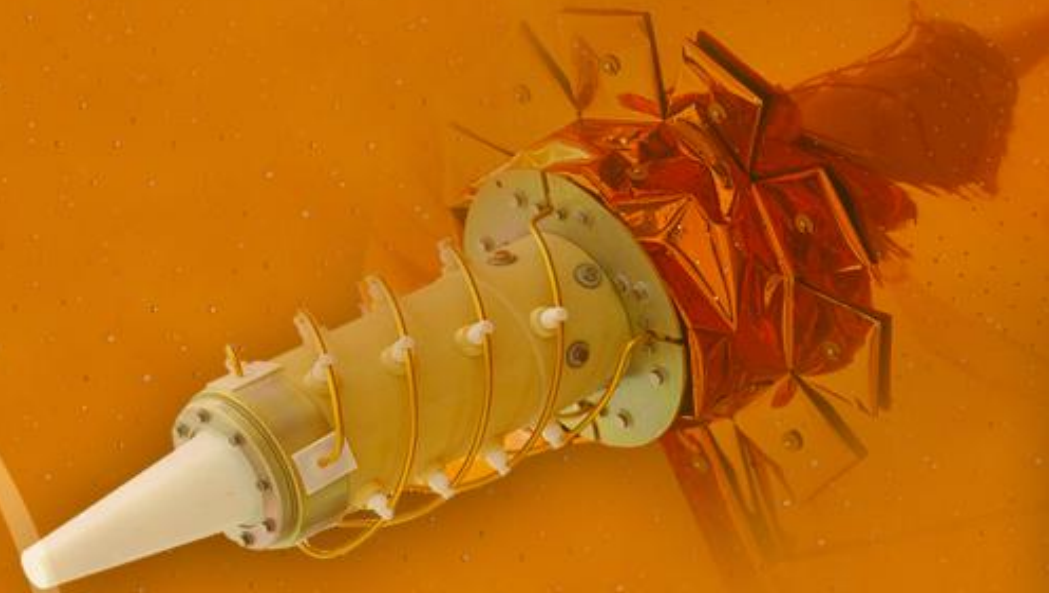




CENTRE NATIONAL D'ÉTUDES SPATIALES



**Missions status**

**Doris Network**

**IDS Workshop 2010**



■ **CRYOSAT-2 (ESA): 717 km, 92° April 8, 2010, → end 2013, (DGXX + LRA)**

- ◆ status DORIS OK from the beginning, satellite in final configuration: June 3rd
- DORIS2.2 every 7 days available 20 days later
- first data delivered mid June (data from beginning of June)
- other data available in the same time : RINEX, orbit (sp3), mass and man files

■ **JASON2 (CNES/NASA): 1336 km, 66° June 2008 → end 2013, (DGXX+LRA+GPS)**

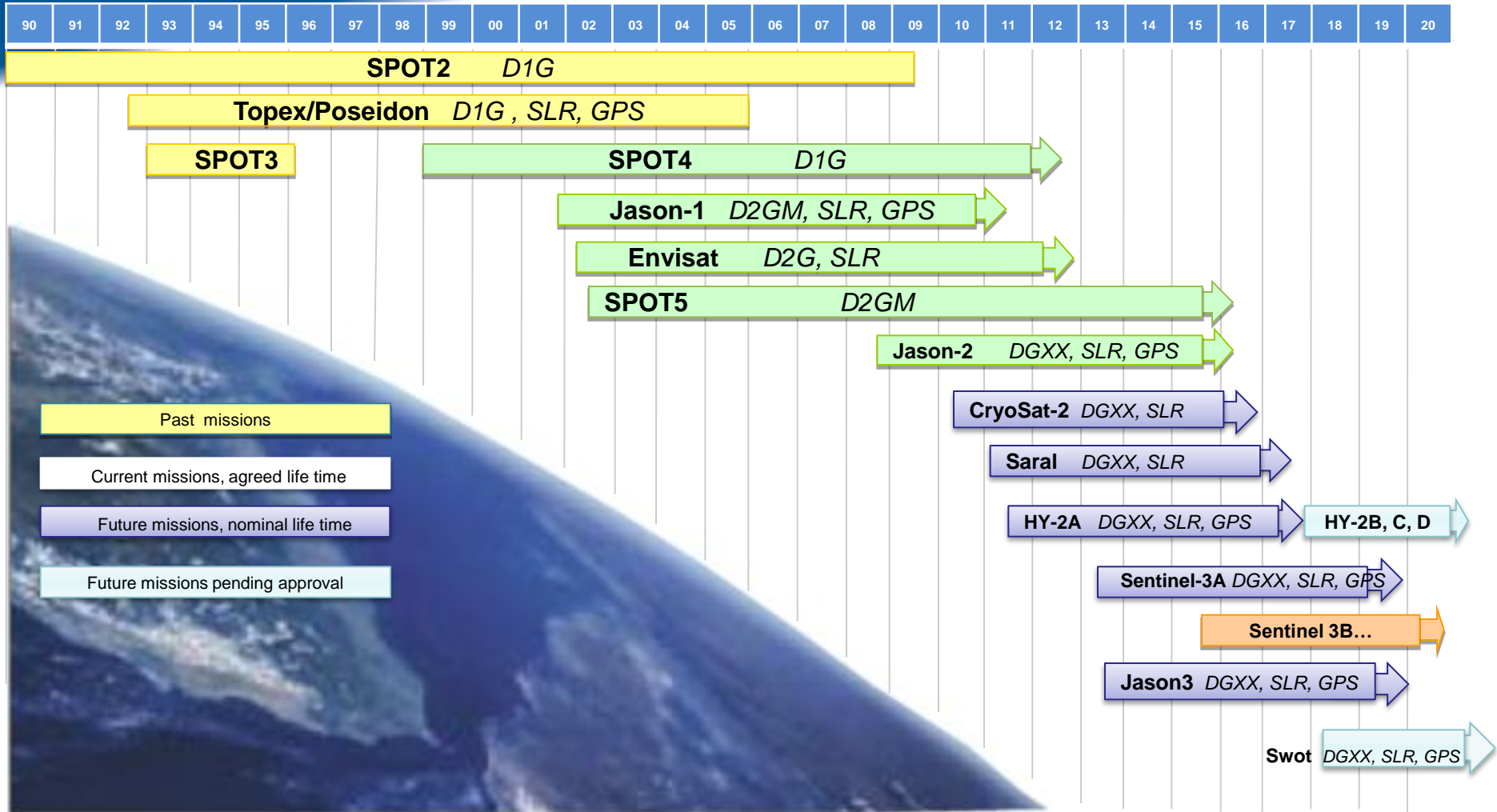
■ **ENVISAT (ESA): 800 km, 98.5° March 2002 → 2013, (DGXX+ LRA)**  
Oct 2010: orbit change: altitude reduction -17 km

■ **SPOT5 (CNES): 830 km, 98° May 2002 → 2015**

■ **JASON1 (CNES/NASA) 1336 km, 66° Dec 2001 → end 2011 ( DGXX+LRA+GPS)**  
orbit change under discussion

■ **SPOT4 (CNES): 830 km, 98° March 98 → 2012**

- SARAL/ALTI-KA (ISRO) : 880km, 98.5°
January 2011, ( 5 years), (DGXX + LRA)
  
- HY2A (CNSA) : 963km, 99.3°
June 2011, (3 years), (DGXX+LRA, GPS)  
... then HY2B, 2C, 2D...
  
- SENTINEL3A (GMES) : 814km, 98.6°
April 2013, (7 years), (DGXX+LRA+GPS),  
Sentinel 3B:
12 to 30 months later
  
- Jason-3 (Eumetsat/NOAA/CNES) : 1336 km, 66°
summer 2013 (DGXX+LRA+GPS),
  
- SWOT (NASA/CNES) : 970km, 78°
2018 (DGXX+LRA+GPS),  
sharing of the responsibilities (Mai 2010)  
Phase B: 2012
  
- CITRIS ( Naval Research Laboratory): (low inclined orbit) TDB
to focus on the ionospheric science near the equator.



- **News from last DORIS Mission group meeting (March 25, 2010):**
- Today 57 beacons (54 V3.0, 2 V2.0 with 1 ON , 1 V1.0 ON) :
- **Good news:**
  - ◆ Russian beacons; Badary and Krasnoyarsk have started again, Yuzhno is expected as soon as possible (communication difficulties)
  - ◆ Chatham: good reception again after a gap of two months
  - ◆ Ascension : is going to be renovated (ESA agreement): expected for summer 2010
  - ◆ New site\_logs for SANTIAGO (displacement due to the earthquake in Feb 2010)
  - ◆ Study of a new station on a japaneese island, pacific north (**Chichi-Jima**: 27°4N, 142°12E )
- **Unavailable beacons:**
  - ◆ Futuna (2.0) : will be replaced by a beacon 3.0 ,
  - ◆ MALE : difficult localities
  - ◆ Tristan Da Cunha : renovation in progress
  - ◆ Marion Island: -20db on 2Ghz, stopped since October 7 2009
  - ◆ Santa Cruz : no reception since 05/06/2009, beacon blocked to the customs
  - ◆ Monument Peak: stopped on January 2010 due to interference with TV → new site definition in progress (GOLDSTONE?), new installation expected in 2010.
  - ◆ Port Moresby: no reception again, contact issue

- **Lisbon, October 21-22 2010 :IDS workshop in conjunction with OSTST (Oct 18-20), and Hydrology workshop (Oct 21-22)**
- **Organization committee CNES + EUMETSAT**
- **Scientific Committee:** Frank G. Lemoine (chair), John Dow, John Ries, Laurent Soudarin, Petr Stepanek, Pascal Willis
- **Themes:**
  - System: satellites, network, system improvements, new data format, future missions
  - IDS: organization, analysis coordination, analysis centers, data centers and data flow
  - Geodesy, Reference frame, Earth's rotation
  - Precise Orbit Determination
  - Geophysics, atmospheric sciences (troposphere and ionosphere)
  - New DORIS applications & products
- **Planning:**
  - from March: web site completion + inscriptions and call for participation
  - deadline for abstracts: **June 18**,
  - mid June - mid July: abstracts selection, program and agenda definition for the 3 events
  - mid July: authors notifications
  - mid September: programme finalized
- **20th DORIS anniversary :** on wednesday 20, evening , just after the end of OSTST and before the gala diner (CNES/IGN/IDS)