



Online meeting

January 26, 2021

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## IDS GB meeting

### AGENDA:

#### Governing Board

- election results; new elected and appointed members
- election of the chairperson

#### DORIS system and Network

- dissemination of H2C, Sentinel-6A data; NRT data
- IDS stations

#### Working groups

- NRT data: report
- update on proposal for Geocenter WG
- proposal for a DOI WG: needs and objectives
- proposal for a WG “ Terms of Reference”: issues to be addressed

#### DORIS special issue

#### IDS events 2021

- AWG
- DORIS day
- IDS Workshop

### MAIN DECISIONS:

- Frank elected chair of the GB
- Committee to revise the Terms of reference
- Committee for assignation of DOI to IDS data and products

### ATTENDEES:

Current elected and appointed members: Claudio Abbondanza, Hugues Capdeville & Petr Štěpánek, Pascale Ferrage, Guilhem Moreaux, Jérôme Saunier, Ernst Schrama, Laurent Soudarin

« Ex-officio » member: Denise Dettmering

New appointed member: Tonie van Dam

New (re-)elected members: Karine Le Bail, Frank Lemoine, Patrick Michael

<b>Actions list</b>	See appendix
<b>Governing Board</b>	<p><b>Election results</b>  Voting period: 5 to 22 January (5: call; 11: reminder; 21: final reminder)  Electoral college: 128 associates  Votes *: 51 valid ballots, 1 invalid ballot  (one ballot already sent by the voter; second ballot received after the first reminder <input type="checkbox"/> first ballot accepted; second ballot rejected)</p> <p>Participation rate: 39,8 % (valid ballots)</p> <p>* Votes received on <a href="https://ids-elections.ids-doris.org">ids-elections.ids-doris.org</a> with one and only receiver: L. Soudarin (archives <a href="https://listes.cls.fr/sympa/arc/ids.elections">https://listes.cls.fr/sympa/arc/ids.elections</a> ; ballots not anonymous)</p> <p>Data Centers' rep.:  51 ballots  1 blank vote  50 votes for Pat Michael (98%)</p> <p>Analysis Centers' rep.:  51 ballots  0 blank vote  51 votes for Frank Lemoine (100%)</p> <p>Member at large:  51 ballots  0 blank vote  votes for:  Jean-Paul Boy: 5 (9.8%)  Denise Dettmering: 19 (37.2%)  Karine Le Bail: 27 (52.9%)</p> <p>Elected:  Data Centers' rep.: Pat Michael *  Analysis Centers' rep.: Frank Lemoine *  Member at large: Karine Le Bail</p> <p>Appointed:  IERS rep.: Tonie van Dam (IERS DB chairperson)  DORIS system rep.: Pascale Ferrage **  Network rep.: Jérôme Saunier **</p> <p>We congratulate Frank and Pat who have been reelected at their positions by the Associates, as well as Pascale and Jérôme who have been appointed again by the CNES and the IGN.</p> <p>We are very pleased to welcome Karine Le Bail (Chalmers University, Onsala Space Observatory, Sweden) who joins the GB as a Member at Large, and Tonie van Dam (IERS Directing Board Chair) as the new IERS rep. within the IDS GB.</p>

We thank:

- Brian Luzum for being the IERS rep since 2013
- Denise Dettmering for her participation as Member at Large within the Governing Board from January 2017 to December 2020.
- Jean-Paul Boy for his first candidacy for the GB elections. We invite him to continue participation and involvement with the IDS.
- the Associates for participating in the elections
- the Nominating Committee (Claudio Abbondanza, Ernst Schrama, Pascal Willis) for organizing the GB elections.

Denise remains an ex officio member of the IDS GB, in the role of Chair of the IDS Working Group on Near Real Time Data

**Election of the chairperson**

Chairperson of the GB can only be made by a 2/3 majority of the members of the GB, i.e., by seven or more votes. Vote by show of hands.

Candidates: Frank → Elected

**DORIS system and Network**

**HY-2C (Pascale)**

Nominal status, good quality of POE processed with DORIS and GNSS data. Some inconsistencies observed on the position of the center of mass, still some checks and corrections to be done before distributing the data. No quaternion. The attitude law is Topex-like i.e yaw-steering law but no fix.

**Sentinel-6A (Pascale)**

Sentinel 6 has been flying in tandem with Jason3 since the 18th of December. Authorization just received from ESA and EUMETSAT to distribute the data to IDS. It will start in February.

→ Macromodels for HY2C and Sentinel-6A will be made available by end of January.

**NRT Jason3 DORIS DATA (RINEX) & Orbits from DIODE (sp3) (Pascale)**

The production chain of the DORIS in NRT runs internally at CNES and the interfaces with the IGN DC are implemented. In December, a dataset has been provided to the NRT WG for testing. Some developments are still necessary for an operational dissemination. We hope to be able to start it in February (Jason3 / IGN DC)

**IDS stations (Jérôme)**

CNES agrees to install a new station at Gavdos, ESA calibration site for Sentinel-6 program. Gavdos is ideally located for altimetry calibration: crossover of Sentinel 3A and 6A ground tracks, on ascending and descending orbits.

This site is not replacing Dionysos where DORIS stays. Gavdos's station will not be considered by CNES as a permanent site but as a IDS site (lower priority). However, it will be an extra IDS site, and IDS still have a station available for a third site. A call for proposal will be sent out in Spring.

**Network status (Jérôme)**

12 sites are now equipped with a 4<sup>th</sup> generation beacon. 13 stations of the network are currently out of order. Interventions are delayed because of the COVID context.

**Working groups**

**NRT data (Denise)**

The main topics that the WG is working on are:

- Development of a DORIS ionospheric product (STEC/VTEC or dSTEC/dVTEC)
- Using DORIS data for global real-time ionospheric modeling
- Using DORIS data to validate the performance of global ionospheric TEC models
- Improving ionospheric modelling with focus on the combination of different space-based observation datasets.
- Networking with other IAG working groups: GGOS JWG 3 “Improved understanding of space weather events and their monitoring by satellite missions” and IAG JWG 4.3.1 “Real-time ionosphere monitoring and modelling”

The current activities are:

- Simulated DORIS NRT test data set (RINEX and sp3) currently under investigation
- Software preparation to use the data

The WG did not meet in 2020.

**Update on proposal for Geocenter WG (Frank)**

Alexandre Couhert (CNES) proposed a WG on the geocenter, with the aim to create a pilot geocenter series from DORIS data. He was asked to draft the Terms of Reference of the WG, and to submit it to the IDS GB for consideration and for approval.

In terms of membership, Frank would suggest including some members who can evaluate the models - not just people who can be model producers (ie process DORIS data in a POD software). The IDS GB views WGs as a means not only to foster progress on a particular topic, but also to increase participation in DORIS activities - so the membership should not be limited to just those who can produce geocenter series or process DORIS data in a pod software. Frank suggests renewing the call for other ACs to see if they might participate.

**DOI (Laurent)**

Context: DORIS special issue, ITRF2020

Why a WG?

Define the needs (why a DOI?), the objects to which to assign a number (which object?), the priorities according to the workload (which first?), the process (who does what?)

Visibility wrt IAG services

Objectives: Identify the needs (papers for DORIS special issue, justification to the institutions, ...)

Define the objects: Type (data, product, documentation, report, presentation...), Granularity (collection of objects (ex: orbits), producer (ex: ssa), mission (ex: ja3), ...)

Prioritize according the needs: Ex: IDS2020, contributing AC sinex series, models used, ...

Process

Definition of metadata (producers; Data centers ?)

Creation of landing pages (Central Bureau with inputs from producers; Data Centers ?)

DOI Assignment (Central Bureau with CNES DOI service and landing pages on IDS website;

	<p>Data Centers ?)</p> <p>A committee is set up with Guilhem (Combination center), Pat (CDDIS DC), Jérôme (IGN DC), Frank (Analysis Centers' rep.) and led by Laurent (Central Bureau)</p> <p><b>Terms of Reference (Laurent)</b> Objectives: review the Terms of Reference to address the following topics:</p> <p>Vocabulary In line with recommendation from IDS Retreat, think of more expansive language about IDS Mission, talking about IDS Mission in terms of more fundamental services to science and society. (NRT, atmospheric sciences, ... )</p> <p>Case of a resignation What if a GB position is vacated before the end of the term?</p> <p>Enlarging the GB Do we have to give a place to the GB for other IDS groups, stations or missions (see example of other services)? Should we expand the number of Members at Large?</p> <p>Elected members Do we still have to elect the Data Center representative?</p> <p>A committee is set up with Frank, Laurent and Karine. An external person will be invited.</p> <p><b>Action GB_21_01: To propose Allison Craddock to join the committee Terms of Reference</b></p>
<p><b>DORIS special issue</b></p>	<p>Denise and Ernst will be the editors of this special issue. Which journal? Open access, impact. Which type of papers? We would to explore other issues that the one related to the ITRF2020 processing. First, to solicit the community: number of articles, subject. Second, to define the journal.</p> <p>Earth, Planets &amp; Space (SpringerOpen) fully open access publication fee of 1200€ (possibility for waivers/discount for special countries) encourage special issues no review papers impact: 2.1</p> <p>Journal of Geodesy (Springer) open access option (with fee) impact: 4.8 SI on SLR in 2019</p>

	<p>Editor: Jürgen Kusche</p> <p>Advances in Space Research (Elsevier) open access option (with fee) impact: 2.2 SI on DORIS in 2016 (Scientific Applications of DORIS in Space Geodesy) Editor: Pascal Willis</p> <p><b>Action: GB_21_02: Denise and Ernst will send out a message to the community</b></p>
<p><b>IDS events 2021</b></p>	<p><b>AWG</b> before EGU (19-30 April): between April, 1 and 16 Participation of Zuheir requested several sessions? hybrid: videoconf + forum (see OSTST meeting 2020) ?</p> <p># Petr and Hugues</p> <p><b>DORIS day</b> The GB suggests 2-hr sessions every day of a week with the objective to accommodate everybody. See DD2020 agenda inscription online (10 registered; request for webinar or telecon)</p> <p>2021: online sessions ! technical solution (Teams, webex, skype, ...)? ! several short sessions? ! consider the time differences ☐ afternoon?</p> <p>Organization group: Central Bureau + Analysis Coordination + Frank + Ernst + Denise + Karine</p> <p><b>IDS Workshop</b> An onsite event is scheduled in Venice, Italy, on October 18-20 in conjunction with OSTST meeting (see <a href="https://ostst-altimetry-2021.com/">https://ostst-altimetry-2021.com/</a>) hybrid: on site + forum? Frank will form the scientific committee Announcement to be sent in March</p> <p>CNES/CLS solution for the forum: <a href="https://meetings.aviso.altimetry.fr/">https://meetings.aviso.altimetry.fr/</a> To be used in 2021 for SWOT WG, CFOSAT ST, OSTST 2021 Resp: Laurent</p>
<p><b>Next GB meeting</b></p>	<p>To be scheduled in May</p>



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## Appendix: action list

### New actions

#	Orgin	Title	Action	Answer	Resp.	Opening date	Deadline	status
GB_21_01	GB	Committee to revise the Terms of reference	propose Allison Craddock to join the committee			26/01/2021	31/12/2021	open
GB_21_02	GB	DORIS special issue	Denise and Ernst will send out a message to the community			26/01/2021	30/06/2021	open



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