



## IDS GB meeting

### AGENDA:

- review of current list of actions (L. Soudarin)
  - status of the DORIS Special issue (F. Lemoine)
- IDS structure
- new Governing Board for 2017-2020 (L. Soudarin)
  - Combination Center selection (L. Soudarin)
  - current and future AACs (H. Capdeville, J.M. Lemoine)
- Data
- RINEX production (P. Ferrage)
  - NRT-DORIS data (P. Ferrage)
  - handling SAA effects in recent DORIS data (H. Capdeville)
- Data Center
- New upload procedure CDDIS (C. Noll)
- Network
- Review of IDS sites (J. Saunier)
- Combination Center
- DPOD2014 (G. Moreaux)
- Next events
- Next AWG (M. Ziebart)
  - Next workshop (P. Ferrage)
  - IDS Retreat (G. Moreaux)
- IDS associates
- Proposals for new IDS associates (L. Soudarin)
- Contribution to World Data System
- Metadata service (L. Soudarin)
- AOB

### MAIN DECISIONS :

Election of GB's Chairperson will be organized by email before AGU  
CLS confirmed as Combination Center for 2017-2020  
Creation of Working Group NRT DORIS data led by Denise Dettmering

### ATTENDEES:

<u>GB members</u>	Richard Biancale, Hugues Capdeville, Pascale Ferrage, Jean-Michel Lemoine, Guilhem Moreaux, Michiel Otten, Jérôme Saunier, Laurent Soudarin, Pascal Willis (chair)
<u>Excused</u>	Brian Luzum, Carey Noll, Marek Ziebart
<u>Guests</u>	Frank Lemoine, Denise Dettmering, Jean-Marc Walter, Ernst Schrama
<u>Excused</u>	Patrick Michael

<b>Actions list</b>	See appendix
Status of the DORIS Special issue (F. Lemoine)	<p>The DORIS special issue will be published in December with the title “Scientific applications of DORIS in space geodesy”. It includes 18 papers.</p> <p><b>Action GB_16_10:</b> Frank Lemoine will announce the publication of the DORIS special issue via DORISmail</p>
New Governing Board for 2017-2020 (L. Soudarin)	<p><u>Elections 2016</u> The election results provided by Pascal Willis who collected and validated the ballots are as follows:</p> <p>Analysis Center Representative Frank Lemoine 41</p> <p>Data Center Representative Patrick Michael 41</p> <p>Member-at-Large Denise Dettmering 26 Geir Arne Hjelle 15</p> <p>There were 42 validated votes on 104 associates (i.e a voting rate of 40.4%), including 1 blank vote. 1 duplicate ballot was rejected</p> <p>The elected members for the four-year term 2017-2020 are: Frank Lemoine as Analysis Center Representative, Patrick Michael as Data Center Representative, Denise Dettmering as Member-at-Large.</p> <p><u>Renewal of the appointed members:</u> Pascale Ferrage is reappointed by CNES as the DORIS system representative for the next 4 years. Jérôme Saunier is reappointed by IGN as the Network representative for the next 4 years. Brian Luzum is appointed by IERS for a second term as the IERS representative. The IAG representative will be appointed by IAG Executive Committee by the end of the year to replace Michiel Otten who served two terms. Guilhem Moreaux remains the representative of the Combination Center within the GB for the next 4 years (see Combination Center selection).</p> <p><u>Composition of the Governing Board from January 1, 2018, with the corresponding terms:</u> Elected members</p> <ul style="list-style-type: none"> <li>• Analysis center representative: Frank Lemoine (2017-2020) 1st term</li> <li>• Data center representative: Patrick Michael (2017-2020) 1st term</li> <li>• Analysis Coordinator: Hugues Capdeville and Jean-Michel Lemoine (2015-2018) 1st term</li> <li>• At-large member: Marek Ziebart (2015-2018) 1st term</li> <li>• At-large member: Denise Dettmering (2017-2020) 1st term</li> </ul> <p>Appointed members with number of terms limited to 2</p> <ul style="list-style-type: none"> <li>• IAG representative: To be appointed by IAG EC (2017-2020) 1st term</li> <li>• IERS representative : Brian Luzum (2017-2020) 2nd term</li> </ul> <p>Appointed members with unlimited number of terms</p> <ul style="list-style-type: none"> <li>• CNES system representative: Pascale Ferrage (2017-2020)</li> <li>• IGN network representative: Jérôme Saunier (2017-2020)</li> <li>• Combination Center representative: Guilhem Moreaux (2017-2020)</li> <li>• Director of Central Bureau: Laurent Soudarin (2015-2018)</li> </ul>

	<p>The next step is to elect a new chairperson. It is decided to proceed to the election by email before AGU. The Central Bureau will organize it in two steps: 1) call for candidates 2) vote</p> <p>It is pointed out that the Terms of Reference must be corrected to be fully consistent with the election process every two years. They say that the chairperson is elected to serve a term of four years. However, the member may have started his/her term two years before being elected as the chairperson. Therefore he/she could chair only two years, i.e. up to the end of his/her term as a member of the GB.</p> <p>The Central Bureau will propose a correction of the Terms of Reference to the Governing Board.</p> <p><b>Action GB_16_11:</b> The Central Bureau will organize the election of the new chair by email</p> <p><b>Action GB_16_12:</b> The Central Bureau will propose a correction of the Terms of Reference about the duration of the Chairperson's term.</p>
<p>Combination Center selection (L. Soudarin)</p>	<p>The call for proposals for the successor to the current Combination Center closed on October 15. Only one proposal (+letter of intent) was submitted, that of CNES/CLS who applies to continue the activities of the Combination Center. The GB accepts the application and selects it as the IDS Combination Center for a new period of four years, starting on January 1, 2017. Guilhem Moreaux (CLS) remains the representative of the Combination Center within the GB.</p>
<p>Current and future AACs (H. Capdeville, J.M. Lemoine)</p>	<p>Currently, GFZ is the only Associate Analysis Centers. But Sergei Rudenko moved to DGFI/TUM on August 1st. Are there still DORIS activities at GFZ? Can GFZ still be considered as an AAC? Do the DORIS POD activities move to DGFI/TUM with Sergei? Denise Dettmering uses DORIS data for iono models. Frank Lemoine reported that Mathis Blossfeld is interested in getting into DORIS analyses to support his GGOS and other studies. So, there are several reasons for DGFI/TUM to apply for the AAC status. However, the status of GFZ must be clarified first. IDS Central Bureau will contact GFZ and DGFI/TUM for confirmation</p> <p>Alexandre Couhert informed the CB that SOD is ready to apply for being an AAC. Ernst Schrama agreed to apply for TU Delft.</p> <p>The GB wants to inform the Chinese groups of the existence of such a status in order to encourage them to participate in the IDS. Jean-Michel has planned to contact the authors of Gao et al. (2015), and will take this opportunity to pass on information.</p> <p><b>Action GB_16_13:</b> Richard Biancale will contact Frank Flechner about the future of the DORIS activities at GFZ</p> <p><b>Action GB_16_14:</b> Laurent Soudarin will ask CNES/SOD to provide a letter of intent to become an IDS AAC</p> <p><b>Action GB_16_15:</b> Ernst Schrama will provide a letter of intent to become an IDS AAC</p> <p><b>Action GB_16_16:</b> Jean-Michel Lemoine will inform the authors of Gao et al. (2015) that they could contribute to the IDS as an AAC</p>
<p>RINEX production (P. Ferrage)</p>	<p>Based on test results (cf Jean-Michel Lemoine's presentation at IDS Workshop), CNES decides to switch back to DIODE time tagging. Delivery of the whole series is planned for all the missions in November 2016.</p>

	<p>DORIS/RINEX Sentinel-3: delivery stopped in April due to a software time tagging error; restart of delivery simultaneously with the other missions</p> <p><b>Action GB_16_17:</b> Pascale Ferrage will provide by email the schedule for the delivery of DIODE time tagged RINEX</p>
<p>NRT-DORIS data (P. Ferrage)</p>	<p>Following user requests for NRT data for assimilation in ionospheric model, CNES suggests that IDS forms a WG to</p> <ul style="list-style-type: none"> <li>-define the objectives and possible applications,</li> <li>-identify potential users</li> <li>-define the test requirements (time, duration, ..) .</li> </ul> <p>The CNES will then study the feasibility and implement this test campaign. Then, based on the results of the Working Group, in a later stage, the possibility to operationalize this production will be evaluated.</p> <p>The GB creates this WG and appoints Denise Dettmering as chairman of this WG.</p> <p><b>Action GB_16_18:</b> Denise Dettmering will make a proposal for a Working Group on NRT DORIS data (defining terms of reference and composition).</p> <p><b>Action GB_16_19:</b> Laurent Soudarin will provide Denise Dettmering with contacts of users interested in the use of DORIS for ionospheric applications</p>
<p>Handling SAA effects in recent DORIS data (H. Capdeville)</p>	<p>Alexandre Belli developed a corrective model for Jason-2. It has been tested by CNES/CLS and NASA/GSFC. RINEX POD are improved and DORIS and SLR residuals slightly reduced but the model still needs some editing. Pierre Exertier and Alexandre Belli will provide a time series of their model outputs on a sufficient long time span. Hugues Capdeville plans to develop a program to apply these model outputs to the data. Then, the Analysis coordination will propose to ACs to test the corrected dataset DORIS2.2.</p> <p>As a short term action, the Analysis Coordination proposes that ACs submit solutions with SAA strategy and CC will look at the impact on station coordinates and EOP.</p> <p><b>Action GB_16_20:</b> The Combination Center will define together with the Analysis Coordination the contributions expected to test the SAA strategy , contact the ACs and evaluate the solutions</p>
<p>Status of the new upload procedure CDDIS (C. Noll)</p>	<p>CCDIS is moving to a new upload procedure. Are the ACs ready to switch to the new procedure?</p> <p><b>Action GB_16_21:</b> Laurent Soudarin will ask Carey for a status report, including a description of the exact nature of possible remaining problems</p>
<p>Review of IDS sites (J. Saunier)</p>	<p>The current list is: Wettzell, Guam, Seijong.</p> <p>The installation in Wettzell was made in September 2016; the beacon emits with a shifted frequency (k=18). This is a 4 techniques site.</p> <p>Guam is planned for 2017 with co-location with GNSS and tide-gauge.</p> <p>Seijong is pending.</p> <p>A project of a new 4 techniques site in Tahiti, French Polynseia is currently under consideration. The GB says that it is not an IDS request and this equipment should not be considered as dedicated to the IDS.</p> <p>Pascale Ferrage recalls that CNES agreed to provide IDS with two beacons, including installation and operations. With Wettzell and Guam, the quota will be reached in 2017. Due to the limited number of beacons currently in stock, a third beacon cannot be made available for IDS. This could be reconsidered in 2019 when the 4<sup>th</sup> generation of beacons will be supplied.</p>

	Accordingly IDS decides not to maintain the list. IDS will wait for the availability of the new beacons to launch a new international call for opportunity and to make a selection.
DPOD2014 (G. Moreaux)	A DPOD meeting is organized on November 3 to clarify the different products that will be provided by the IDS Combination Center to the IDS, to define the work to finalize the first release of the DPOD2014 and to define the content of the new DPOD solutions and their delivery schedule.
Next AWG (M. Ziebart)	In Delft, Marek Ziebart proposed to host an AWG meeting at UCL in 2017. The Central Bureau will contact him to organize it between April (EGU) and July (IGS Workshop). The place and dates of the second AWG meeting for 2017 will be decided in London.  <b>Action GB_16_22:</b> Laurent Soudarin will contact Marek Ziebart for confirmation of the meeting in London. If no proposal is made before the AGU, a new proposal will have to be considered.
Next workshop (P. Ferrage)	It will be held in conjunction with the next OSTST meeting organized in Europe in 2018
IDS Retreat (G. Moreaux)	Guilhem Moreaux, lead of the organizing committee, proposes to hold the retreat in the 2 <sup>nd</sup> semester 2017.
Proposals for new IDS associates? (L. Soudarin)	The Governing Board reserves the right to appoint additional associates who do not participate in any IDS components but who contribute significantly to the IDS or whose activities rely on DORIS data and products. Such names are nominated directly by the IDS GB.
Request for a Metadata service (L. Soudarin)	WDS Scientific Committee is strongly encouraging the creation of a metadata service for IDS holdings. The GB considers the needs are not clearly identified and decides to postpone the discussion.
Next GB meeting	The next GB meeting will be held together with the next AWG meeting

**Appendix: action list** (new actions and changes are blue colored)

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_11_05	GB	sitelogs	<b>add sitelogs for old stations</b>	should be provided by the end of 2014; 6 sitelogs (AJAB, GOAB, HVOA, IQUB, LIFB, TANB) sent to CB on May 22. Still 9 to come 2016/05/27: provided by IGN, to be put online 2016/09: online	J. Saunier	30/05/2012	30/09/2016	<b>closed</b>
GB_14_10	GB	Mailing lists	send reminder about the mailing lists and their purposes	merge ids.analysis.forum into ids.awg 1. subscribe all forum subscribers to AWG list 2. send to AWG list to inform forum is close, forum's subscribers are now AWG's subscribers, if not interested then unsubscribe from AWG list 3. removed email addresses in error 2016/05/26: still on to-do list	L. Soudarin	27/03/2014	<a href="#">22/05/2017</a>	<b>open</b>

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_14_18	GB	Availability of SAA-corrected data files for SPOT-5 and Jason-1	Check the availability of the Jason-1 data files corrected by GSC AC. Check them and upload them to the Data centers with documentation. Move Spot-5 and Jason-1 corrected data files to the « official » directory with an incremented version number.	HC will complete Jason-1 and Spot-5 SAA corrected dataset. Jason-1 dataset complete. The two whole sets will be moved as soon as the last SAA Spot-5 files are provided 2016/05/26: full dataset of SPOT-5 SAA corrected OK; Hugues contacts Carey for file naming and archiving	F. Lemoine, H. Capdeville, Data Centers	28/10/2014	22/05/2017	open
GB_15_08	GB	selection of the Combination Center for 2017-2020	The Central Bureau will process to the selection of the Combination Center for 2017-2020 according to the calendar established in GB meeting in Washington (start in Spring 2016).	2016/05/26: calendar revised at GB meeting in Delft; 2016/06/18: call sent by DORISmail	L. Soudarin	16/10/2015	31/12/2016	closed
GB_16_01	GB	DPOD	The CC conducts evaluation of the two DPOD approaches. Results will be presented at the IDS Workshop	finalize the DPOD after AGU	G. Moreaux	27/05/2016	31/01/2017	open
GB_16_02	GB	new CDDIS procedures	Clarify the mirroring strategy between IGN and CDDIS	IGN mirrors their site from CDDIS; CDDIS does not mirror their site from IGN; CDDIS mirrors their site from IDS ftp site	C. Noll	27/05/2016	30/11/2016	closed
GB_16_04	GB	IDS activity report	Distribute the report to a selection of managers and/or decision-makers (space agencies, institutions, ...); GB members provide details (name, mail address, email) to CB	Report distributed; no additional recipients from GB members	all	27/05/2016	15/11/2016	closed

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_16_05	GB	IDS newsletter	Distribute the newsletter to a selection of managers and/or decision-makers (space agencies, institutions, ...) ; GB members provide details (name, email) to CB	Newsletter distributed; no additional recipients from GB members	all	27/05/2016	15/11/2016	closed
GB_16_06	GB	GB elections	The Central Bureau will carry out the election of the 3 positions within the GB for 2017-2020 according to the calendar reviewed at the GB meeting in Delft		Central Bureau	27/05/2016	01/11/2016	closed
GB_16_07	GB	GB elections	NC will make sure that at least 2 candidates are proposed for each position		Nominating Committee	27/05/2016	15/09/2016	closed
GB_16_08	GB	IDS workshop	IDS Scientific Committee proposes Chinese teams to attend the workshop (with the help of Marek)		JM. Lemoine, M. Ziebart	27/05/2016	30/09/2016	closed
GB_16_09	GB	IDS workshop	make a list of desired presentations		JM. Lemoine	27/05/2016	30/09/2016	closed
GB_16_10	GB	DORIS special issue	announce publications of DORIS special issue "Scientific applications of DORIS in space geodesy"	done on Dec 3 (dorismail 1053)	F. Lemoine	01/11/2016	09/12/2016	closed
GB_16_11	GB	GB chair	organize election of the new chair by email	Election closed on November 23, 2016. Frank is elected as the Chairman.	L. Soudarin	01/11/2016	09/12/2016	closed
GB_16_12	GB	ToR	propose a correction of the Terms of Reference about the duration of the Chairperson's term		Central Bureau	01/11/2016	22/05/2017	open



N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
<a href="#">GB_16_13</a>	GB	AAC	contact Frank Flechner about the future of the DORIS activities at GFZ		R. Biancale	01/11/2016	22/05/2017	open
<a href="#">GB_16_14</a>	GB	AAC	ask CNES/SOD to provide a letter of intent to become an IDS AAC		L. Soudarin	01/11/2016	22/05/2017	open
<a href="#">GB_16_15</a>	GB	AAC	provide a letter of intent to become an IDS AAC		E. Schrama	01/11/2016	22/05/2017	open
<a href="#">GB_16_16</a>	GB	AAC	inform the authors of Gao et al. (2015) that they could contribute to the IDS as an AAC	Done on January 11	J.M. Lemoine	01/11/2016	22/05/2017	closed
<a href="#">GB_16_17</a>	GB	DORIS/RINEX data	email schedule for the delivery of DIODE time tagged RINEX		P. Ferrage	01/11/2016	09/12/2016	open
<a href="#">GB_16_18</a>	GB	NRT DORIS data WG	make a proposal for a Working Group NRT DORIS data		D. Dettmering	01/11/2016	22/05/2017	open
<a href="#">GB_16_19</a>	GB	NRT DORIS data WG	provide Denise contacts of users interested in the use of DORIS for ionospheric applications	Done on Nov. 14 (V. Eccles, Utah State University; A. Snow, New Mexico State University)	L. Soudarin	01/11/2016	09/12/2016	closed
<a href="#">GB_16_20</a>	GB	SAA effects	define together with the Analysis Coordination the contributions expected to test the SSA strategy , contact the ACs and evaluate the solutions	Nov. 3: proposition for the tests sent to ACs by CC	G. Moreaux	01/11/2016	22/05/2017	open

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
<a href="#">GB_16_21</a>	GB	CDDIS upload	ask Carey for a status report, including a description of the exact nature of possible remaining problems	Carey provided a status on Nov. 14. GSFC/Doug Chinn (tested on depot, the soon to be operational system) CNES/Jean-Michel Lachiver (early testing on prototype/testbed system only) CLS/Claude Corda (early testing on prototype/testbed system only) IGN/Pascal Willis (early testing on prototype/testbed system only) INA/Sergey Kuzin (early testing on prototype/testbed system only)	L. Soudarin	01/11/2016	09/12/2016	closed
<a href="#">GB_16_22</a>	GB	IDS AWG meeting	contact Marek Ziebart for confirmation of the meeting in London	Dec. 2016: confirmation (Jan.2017: organization starting)	L. Soudarin	01/11/2016	09/12/2016	closed