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## 2022 IDS Workshop

**Monday, October 31 2022 - Friday, November 1 2022**

This is a meeting for all those who analyze DORIS data, use products derived from DORIS data, or who are involved with the DORIS network. The meeting will highlight current developments and the status of scientific results that use DORIS data, and will provide a platform for discussion and coordination of future activities. The session will include oral presentations and posters.

**All the presentations will be available through a forum on <https://idsworkshop.aviso.altimetry.fr> during the full week and at least a week after. This forum will allow people to chat with authors in delayed time.**

**Please note that for people not planning to attend the meeting in person, their presentations will be available also through the same forum (see list of “forum only” contributions from page 9).**

Event's program

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## List of event's sessions

### Monday, October 31 2022

14:00 - 15:30

DORIS network and constellation: status and evolution

Sala Zorzi

15:30 - 18:00

IDS processing for ITRF2020 and beyond

Sala Zorzi

### Tuesday, November 01 2022

14:00 - 15:00

Precise orbit modeling and Precise Orbit Determination

Sala Zorzi

15:00 - 17:00

Research activities, new applications using DORIS data, new methods of processing DORIS data

Sala Zorzi

### Wednesday, November 02 2022

No session for this day.

09:00 - 10:30: Governing Board meeting (members only) with possible extension up to 12:30

## Oral sessions

### Sala Zorzi

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Monday, October 31 2022

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08:00 - 09:00: Registration and Presentation upload

09:00 - 12:45: OSTST Opening Plenary Session

12:45 - 14:00: Lunch

## DORIS network and constellation: status and evolution

**Session chairs:** Pascale Ferrage, Laurent Soudarin  
(Mon, Oct 31 2022, 14:00 - 15:30)

Sala Zorzi

**14:00 - 14:10:**

Welcome

**14:10 - 14:25:**

[IDS news](#)

Laurent Soudarin (CLS, France)

**14:25 - 14:40:**

[DORIS Network 2022 Status Report](#)

Jérôme Saunier (IGN, France)

**14:40 - 14:55:**

[DORIS System status and future missions](#)

Cécile Manfredi (CNES, France), Vincent Garcia (CNES, France), Pascale Ferrage (CNES, France)

**14:55 - 15:10:**

[A new Time and Frequency reference for the DORIS beacons](#)

Vincent Garcia (CLS, France)

**15:10 - 15:25:**

[New local ties at the DORIS station Wetzell in the framework of the GeoMetre project](#)

Thomas Klügel (BKG, Germany)

**15:25 - 15:30: poster talk**

- [Impact of the Russia-Ukraine war on the DORIS network](#)

Jean-Pierre Chauveau (CLS)

# IDS processing for ITRF2020 and beyond

**Session chairs:** Frank Lemoine, Petr Stepanek  
(Mon, Oct 31 2022, 15:30 - 18:00)

Sala Zorzi

**15:30 - 15:45:**

[The contribution to ITRF2020 IDS reprocessing and other activities of GOP analysis center](#)

Petr Stepanek (Geodetic Observatory Pecny, VUGTK, Czech Republic), Vratislav Filler (Geodetic Observatory Pecny, VUGTK, Czech Republic)

**15:45 - 16:15: Coffee Break**

**16:15 - 16:30:**

[Analyzes of the CNES/CLS IDS Analysis Center solutions for the contribution to the ITRF2020](#)

Hugues Capdeville (CLS, France), Jean-Michel Lemoine (CNES, France), Adrien Mezerette (CLS, France)

**16:30 - 16:45:**

[Status of DORIS processing at GSFC following ITRF2020](#)

Frank Lemoine (NASA GSFC, France)

**16:45 - 17:00:**

[Comparison between DPOD2014 and ITRF2020P : impact on the DORIS satellite orbits.](#)

Arnaud Pollet (IGN / IPGP / IMCCE, France), Samuel Nahmani (IGN / IPGP, France)

**17:00 - 17:15:**

[The IDS Contribution to the ITRF2020 and beyond](#)

Guilhem Moreaux (CLS, France)

**17:15 - 17:30:**

[ITRF2020 and the IDS contribution](#)

Zuheir Altamimi (IGN-IPGP France, France), Paul Rebischung (IGN-IPGP, France), Xavier Colliieux (IGN-ENSG, France), Laurent Métivier (IGN-IPGP, France), Kristel Chanard (IGN-IPGP, France)

**17:30 - 17:45:**

[DTRF2020: the ITRS 2020 Realization of DGFI-TUM](#)

Manuela Seitz (DGFI-TUM, Germany), Mathis Bloßfeld (DGFI-TUM, Germany), Matthias Glomsda (DGFI-TUM, Germany), Detlef Angermann (DGFI-TUM, Germany), Sergei Rudenko (DGFI-TUM, Germany), Julian Zeithöfler (DGFI-TUM, Germany)

**17:45 - 18:00:**

discussion

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**Tuesday, November 01 2022**

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**08:00 - 09:00: Registration and Presentation upload**

**09:00 - 12:30: OSTST Precision Orbit Determination session**

**12:30 - 14:00: Lunch**

## **Precise orbit modeling and Precise Orbit Determination**

**Session chairs:** Frank Lemoine, Hugues Capdeville  
(Tue, Nov 01 2022, 14:00 - 15:00)

Sala Zorzi

**14:00 - 14:15:**

[DORIS/DIODE: the last improvements](#)

Jean-Pierre Chauveau (CLS, France)

**14:15 - 14:30:**

[Combination of DORIS beacon measurement parameters in CNES POE-F orbit solutions](#)

John MOYARD (CNES, France), Flavien MERCIER (CNES, France), Alexandre COUHERT (CNES, France)

**14:30 - 14:45:**

[Orbit accuracy at the 12th year anniversary of Cryosat-2 mission](#)

Ernst Schrama (Associate Professor Faculty of Aerospace TU Delft, Netherlands), Pieter Visser (Professor, Netherlands)

**14:45 - 15:00:**

[Copernicus POD Service - Sentinel-3 and Sentinel-6 orbit determination based on DORIS observations](#)

Heike Peter (PosiTim UG, Germany), Marc Fernández (GMV AD., Spain), Jaime Fernández (GMV AD., Spain), Pierre Féménias (ESA/ESRIN, Italy)

## **Research activities, new applications using DORIS data, new methods of processing DORIS data**

**Session chairs:** Denise Dettmering, Frank Lemoine  
(Tue, Nov 01 2022, 15:00 - 17:00)

Sala Zorzi

**15:00 - 15:15:**

[Contribution of DORIS on-board the Galileo constellation in terms of positioning](#)

Adrian Banos Garcia (Collecte Localisation Satellite, France), Guilhem Moreaux (Collecte Localisation Satellite, France)

**15:15 - 15:30:**

[Development of an in-house DORIS processing software](#)

Xanthos Papanikolaou (Dionysos Satellite Observatory, National Technical University of Athens, Greece), Vangelis Zacharis (Dionysos Satellite Observatory, National Technical University of Athens, Greece), Myrto Tsihlaki (Dionysos Satellite Observatory, National Technical University of Athens, Greece), Samuel Nahmani (Institut de Physique du Globe de Paris, France), Arnaud Pollet (Institut de Physique du Globe de Paris, France), Maria Tsakiri (Dionysos Satellite Observatory, National Technical University of Athens, Greece), Jordan Galanis (Dionysos Satellite Observatory, National Technical University of Athens, Greece)

**15:30 - 15:45:**

[A 30-year record of the time-variable gravity field from DORIS and SLR using a tailored parametrization via GRACE EOFs](#)

Anno Löcher (Institute of Geodesy and Geoinformation, University of Bonn, Germany), Jürgen Kusche (Institute of Geodesy and Geoinformation, University of Bonn, Germany)

**15:45 - 16:15: Coffee Break**

**16:15 - 16:30:**

[Using Near-Real-Time DORIS Data for Validating Real-Time GNSS Ionospheric Maps](#)

Ningbo Wang (Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS), China), Denise Dettmering (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Technische Universität München, Germany), Ang Liu (Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS), China), Zishen Li (Aerospace Information Research Institute (AIR), Chinese Academy of Sciences (CAS), China), Michael Schmidt (Deutsches Geodätisches Forschungsinstitut (DGFI-TUM), Technische Universität München, Germany)

**16:30 - 16:45:**

[DORIS applications in Geodetic problems](#)

Vikash Kumar (IIT Kanpur, India)

**16:45 - 16:50: poster talk**

[Validating DORIS meteo data](#)

Vangelis Zacharis (Dionysos Satellite Observatory, National Technical University of Athens), Myrto Tsihlaiki (Dionysos Satellite Observatory, National Technical University of Athens), Xanthos Papanikolaou (Dionysos Satellite Observatory, National Technical University of Athens), Maria Tsakiri (Dionysos Satellite Observatory, National Technical University of Athens)

**16:50 - 16:55: forum talk**

[DORIS Data Ingest Improvements at NASA CDDIS](#)

Taylor Yates (CDDIS, USA), Patrick Michael (NASA, United States)

**16:55 - 17:15:**

discussion

**18:15 - 19:30: Icebreaker**

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## Wednesday, November 02 2022

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**08:00 - 09:00: Registration and Presentation upload**

Sala Zorzi

**09:00 - 10:30: Governing Board meeting (members only)**

**10:30 - 11:00: Coffee Break**

Sala Zorzi

**11:00 - 12:30: Governing Board meeting (members only)**

**12:30 - 14:00: Lunch**

**15:45 - 16:15: Coffee Break**

**19:30 - 22:00: Conference dinner at [Ca' Vendramin Calergi \(casino di Venezia, Cannaregio 2040, 30121 Venezia\)](#)**

## Posters Session

### Sala Zorzi

#### DORIS network and constellation: status and evolution

**Session chairs:** Pascale Ferrage, Laurent Soudarin

Mon, Oct 31 2022, 14:00 - Wed, Nov 02 2022, 12:30 - Sala Zorzi (posters)

**IDS22NET\_001** - [Impact of the Russia-Ukraine war on the DORIS network](#)

Jean-Pierre Chauveau (CLS)

#### IDS processing for ITRF2020 and beyond

**Session chairs:** Frank Lemoine, Petr Stepanek

#### Precise orbit modeling and Precise Orbit Determination

**Session chairs:** Frank Lemoine, Hugues Capdeville

#### Research activities, new applications using DORIS data, new methods of processing DORIS data

**Session chairs:** Denise Dettmering, Frank Lemoine

Mon, Oct 31 2022, 14:00 - Wed, Nov 02 2022, 12:30 - Sala Zorzi (posters)

**IDS22RES\_001** - [Validating DORIS meteo data](#)

Vangelis Zacharis (Dionysos Satellite Observatory, National Technical University of Athens), Myrto Tsihlaki (Dionysos Satellite Observatory, National Technical University of Athens), Xanthos Papanikolaou (Dionysos Satellite Observatory, National Technical University of Athens), Maria Tsakiri (Dionysos Satellite Observatory, National Technical University of Athens)



## Forum Only

**IDS Workshop forum <https://idsworkshop.aviso.altimetry.fr/>**

Mon, Oct 31 2022, 14:00 - Fri, Nov 9 2022

### **DORIS network and constellation: status and evolution**

**Session chairs:** Pascale Ferrage, Laurent Soudarin

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### **IDS processing for ITRF2020 and beyond**

**Session chairs:** Frank Lemoine, Petr Stepanek

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### **Precise orbit modeling and Precise Orbit Determination**

**Session chairs:** Frank Lemoine, Hugues Capdeville

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### **Research activities, new applications using DORIS data, new methods of processing DORIS data**

**Session chairs:** Denise Dettmering, Frank Lemoine

- [DORIS applications in Geodetic problems](#)

Vikash Kumar (IIT Kanpur, India)

- [DORIS Data Ingest Improvements at NASA CDDIS](#)

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