



# IDS website v3



May 2025

Not a revolution  
but an evolution to make the website clearer for  
users

Main updates:

- New template
- Structure: 6 sections instead of 4
- No more than 2 levels (section > level 1 > level 2)
- One structure but several ways to find the information

+ some additions and more to come

# Home page evolution

v2

International DORIS Service

IDS - DORIS SYSTEM - ANALYSIS COORDINATION - WEB SERVICE

### Highlights

- Next AWG meeting: November 6-7, 2025, Athens, Greece
- New composition of the ICG Governing Board
- AWG online meeting, March 2025: presentations are online

#### IDS

Organization of the service and documents, access to the data and products, event announcements, contacts and links.

#### DORIS System

Allow to access general description of the system, and gives information about the system events and the tracking network.

#### Analysis Coordination

Provide information and discussion news about the analysis strategies and models used in the IDS products. It includes also the information about the Combination Center activities.

#### Web service

Give access to DORIS-T the IDS web service, that propose a handy of plot tools to visualize time series of DORIS-related products and a network viewer to select sites.

#### WHAT'S NEW ON IDS

IDS - March 2025  
New composition of the ICG Governing Board and new GB chairperson. Guilhem Monneau was elected as chair of the GB for...

IDS - January 2025  
DPO2020 version 3.1 available at CDES and IGN data centers (see document) 11/2020 (More information on DPO2020...)

Previous news on IDS

#### WHAT'S NEW ON DORIS

DORIS - March 2025  
New version of the file for the sites from DORIS is other techniques (see document)...

DORIS - January 2025  
New version of the file for the sites from DORIS is other techniques (see document)...

Previous news on DORIS

#### SITE UPDATES

Site updates - March 2025  
AWG meeting, March 31 presentations are online. Updated version of the document satellite coordinates implemented in CHES...

Site updates - January 2025  
Added 1 new station (GLAC) added pictures of the DORIS equipment at Marseilles and Givaudan in the 'Stations' page and in...

Previous site updates

#### Documentation

- Index of documents
- Navigation
- bibliography
- Customized content
- Activity reports
- Documents for the data analysis
- Presentations of IDS meetings
- IDS related communications
- DORIS related presentations

#### About DORIS

- Index of data and products
- Document DORIS (DORIS website)
- List of stations (DORIS)
- List of stations
- Index of stations (DORIS website)
- Network on Google Earth

#### Monitoring

- Visualize production time series
- Index of system events
- MTN visualization
- P2P visualization

Site Map | Contact | Citation | Media | FAQ | Glossary

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v3

International DORIS Service

IDS - NETWORK & STATIONS - MISSIONS & SYSTEM - DATA & PRODUCTS - USER CORNER - RESOURCES

### Highlights

- Next AWG meeting: November 6-7, 2025, Athens, Greece
- New composition of the ICG Governing Board
- AWG online meeting, March 2025: presentations are online

#### IDS

Organization of the service, meeting calendar, contact and data, photo gallery.

#### Network & Stations

Ground network, stations, coverage, maps, network viewer, station events.

#### Missions & System

The index technique and the satellites, system events.

#### Data and products

Access to data, products, information.

#### User corner

Information for users (beginner, competent, expert), purpose of the webservice.

#### Resources

Technical and non-technical documents, bibliography, presentations, newsletter, outreach, media.

#### WHAT'S NEW ON IDS

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DPO2020 version 3.1 available at CDES and IGN data centers (see document) 11/2020 (More information on DPO2020...)

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Added 1 new station (GLAC) added pictures of the DORIS equipment at Marseilles and Givaudan in the 'Stations' page and in...

Previous site updates

#### Discover IDS

- Organization
- Index of Data & Products
- bibliography
- Navigation
- DORIS related content
- Presentations of IDS meetings
- Technical documents
- Activity reports

#### Discover DORIS

- The DORIS technique (DPO2020 website)
- The stations
- The network
- The stations (DORIS)
- DORIS related content
- Presentations of IDS meetings
- Technical documents
- Activity reports

#### DORIS SYSTEM MONITORING

- Index of system events
- Visualize production time series
- MTN visualization
- P2P visualization

Site Map | Contact | Citation | Media | FAQ | Glossary

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# Structure: from 4 to 6 sections

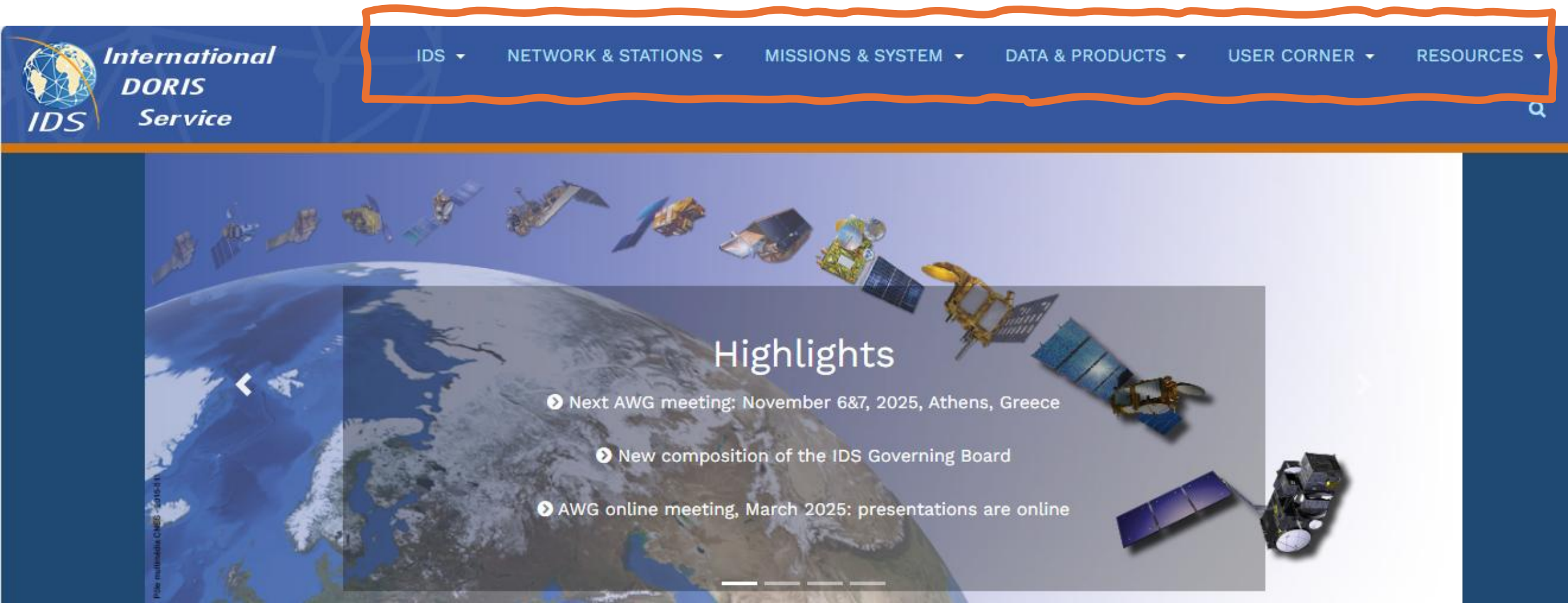
v2

- IDS
- DORIS system
- Analysis Coordination
- Web service



v3

- IDS
- Network & Station
- Missions & System
- Data & Products
- User corner
- Resources

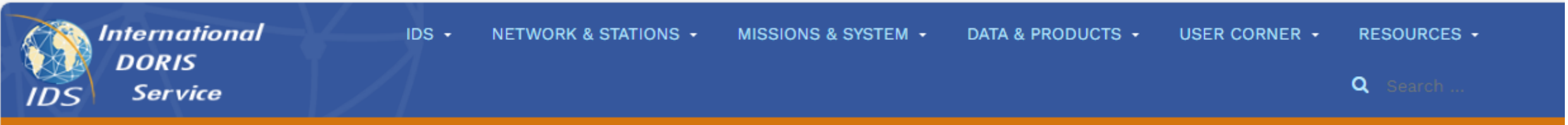


# Home page

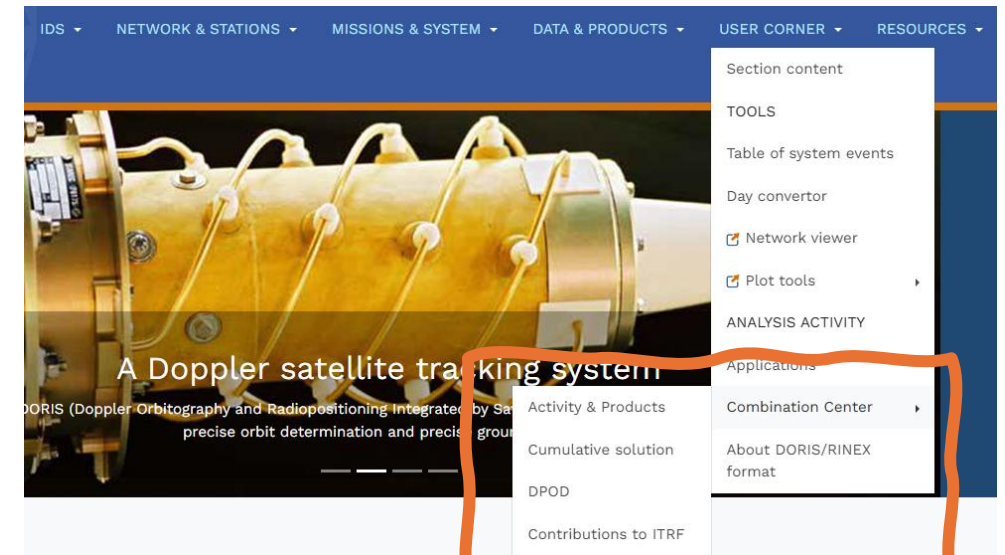


# Home page

**Header** / Banner / The 6 sections / What's new, acknowledgment, contact ... / Alternative menu / Footer



- Access to the content of each section
- Icon indicating link to external site
- Maximum 2 levels in each section





# Home page

Header / **Banner** / The 6 sections / What's new, acknowledgment, contact ... / Alternative menu / Footer

## Highlights

- ▶ Next AWG meeting: November 6&7, 2025, Athens, Greece
- ▶ New composition of the IDS Governing Board
- ▶ AWG online meeting, March 2025: presentations are online

### A Doppler satellite tracking system

DORIS (Doppler Orbitography and Radiopositioning Integrated by Satellite) is a system developed for precise orbit determination and precise ground location.

### The DORIS constellation

DORIS is onboard the Cryosat-2, SARAL, Jason-3, Sentinel-3A, Sentinel-3B, HY-2C, HY-2D, Sentinel-6A and SWOT altimetric satellites. It also flew with SPOT-2, SPOT-3, SPOT-4, EPOT-5, TOPEX/Poseidon, ENVISAT, Jason-1, Jason-2 and HY-2A.

### International DORIS Service

IDS is an international service which provides support through DORIS data and products to geodetic, geophysical, and other research and operational activities.

# Home page

Header / Banner / **The 6 sections** / What's new, acknowledgment, contact ... / Alternative menu / Footer

- Access to the content of each section by clicking on the image or on the section title
- Brief description of the content



## IDS

Organization of the service, meeting calendars, contact and links, photo gallery.



## Data and products

Access to data, products, information.



## Network & Stations

Ground network, stations, sitelogs, maps, network viewer, station position times series.



## User corner

Information for users (beginner, competent, expert), plottools of the webservice.



## Missions & System

The DORIS technique, the satellites, orbit residuals time series.



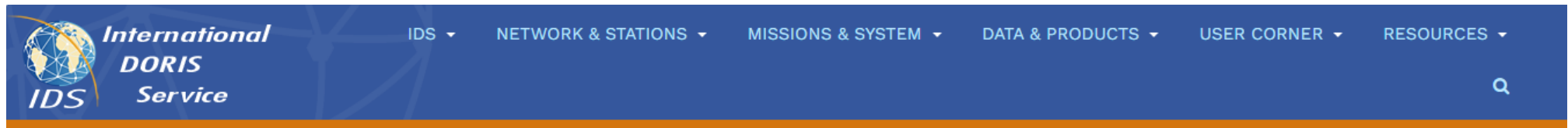
## Resources

Technical and IDS documents, bibliography, presentations, newsletter, outreach, mails.



# Home page

Header / Banner / The 6 sections / **What's new, acknowledgment, contact ...** / Alternative menu / Footer



## ACKNOWLEDGE IDS

Whenever you use IDS data, products, or results in a publication, please include a proper [citation](#).

## NEWSLETTER

To subscribe to the newsletter, please send an e-mail to [IDS Central Bureau](#).

## CONTACT

For more information about the IDS or for any question, send an email to the [IDS Central Bureau](#).

## WHAT'S NEW ON IDS

IDS - March 2025

[New composition of the IDS Governing Board](#) and new GB chairperson. Guilhem Moreaux was elected as chair of the GB for...

[Read More ...](#)

[Previous news on IDS](#)

## WHAT'S NEW ON DORIS

DORIS - March 2025

New version of the file [tie vectors from DORIS to other techniques](#) (see dorismail ...)

[Read More ...](#)

[Previous news on DORIS](#)

## SITE UPDATES

Site updates - March 2025

[AWG meeting, March 24: presentations are online](#) Updated version of the document [satellite macromodels implemented in CNES...](#)

[Read More ...](#)

[Previous site updates](#)

# Home page

Header / Banner / The 6 sections / What's new, acknowledgment, contact ... / **Alternative menu** / Footer

## DISCOVER IDS

Organization  
Table of Data & Products  
Bibliography  
Newsletter  
IDS video channel  
Presentations at IDS meetings  
Technical documents  
Activity reports

## DISCOVER DORIS

The DORIS technique (AVISO+ website)  
The satellites  
The network  
The stations (sitelogs)  
Network on Google Earth

## DORIS SYSTEM MONITORING

Table of system events  
Visualize products time series  
POE statistics  
Network viewer



*V2: Documentation / About DORIS / Monitoring*

## Home page

Header / Banner / The 6 sections / What's new, acknowledgment, contact ... / Alternative menu / **Footer**

[Site Map](#) | [Contact](#) | [Citation](#) | [Mails](#) | [FAQ](#) | [Glossary](#)

[Personal Data Protection Policy](#) | [Legal Notice](#)

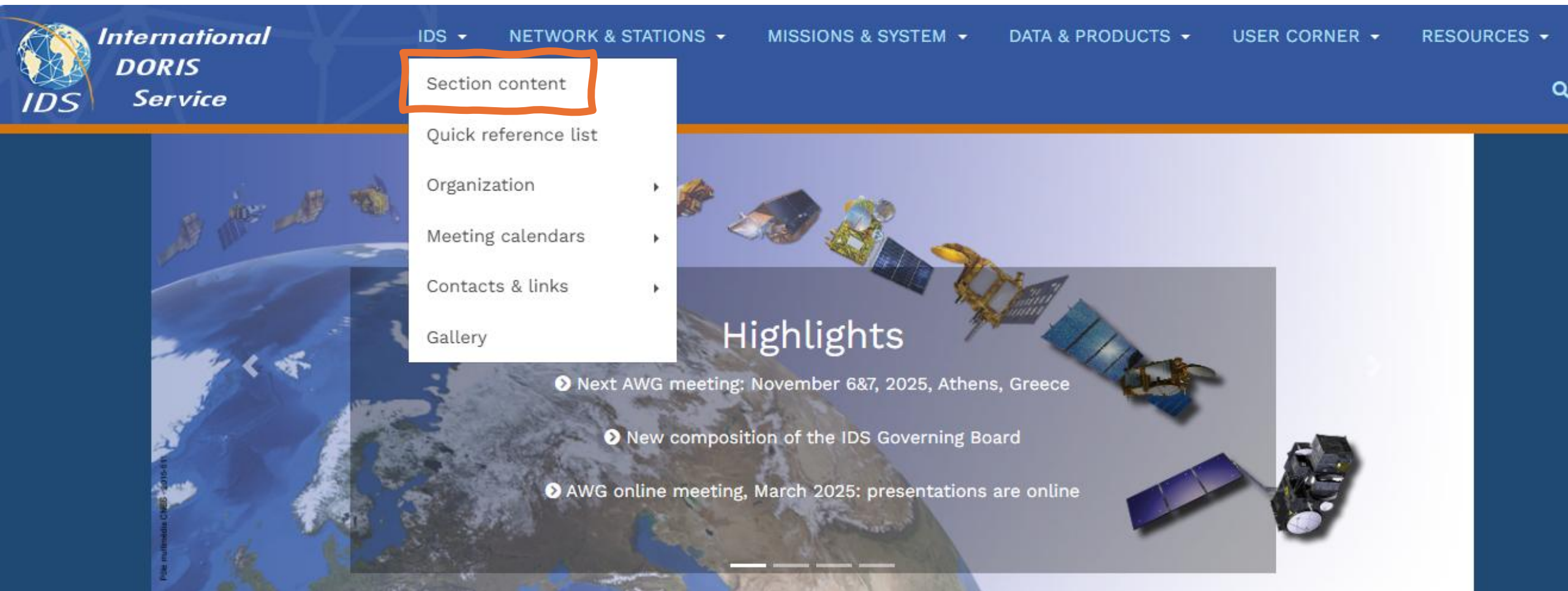
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# Section menus

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- Each menu has a section content




Section content

Network browser  
(sitelogs)

Maps

Network on Google Earth

 Network viewer

 Station position times  
series

## A Doppler satellite tracking system

DORIS (Doppler Orbitography and Radiopositioning Integrated by Satellite) is a system developed for precise orbit determination and precise ground location.

- Link to external websites noted by the icon





Section content

 [The DORIS technique](#)

[Missions](#)

[Satellites in orbit](#)

 [Orbit residuals time series](#)

## The DORIS constellation

DORIS is onboard the Cryosat-2, SARAL, Jason-3, Sentinel-3A, Sentinel-3B, HY-2C, HY-2D, Sentinel-6A and SWOT altimetric satellites. It also flew with SPOT-2, SPOT-3, SPOT-4, SPOT-5, TOPEX/POSEIDON, ENVISAT, Jason-1, Jason-2 and HY-2A.





Section content

Tables of Data & Products

Data structure and  
formats

Information & DC  
organization

Central Bureau [https](#)

 [CDDIS https](#)

 [IGN](#)

<ftp://doris.ign.fr/pub/doris/>

## The DORIS constellation

DORIS is onboard the Cryosat-2, SARAL, Jason-3, Sentinel-3A, Sentinel-3B and SWOT altimetric satellites. It also flew with SPOT-2, SPOT-3, SPOT-4, ENVISAT, Jason-1, Jason-2 and HY-2A.

- No hyperlink to the ftp site but link given to be copied in ftp client
- This title is not clickable; it turns blue on mouse over






Section content

Table of system events

Day convertor

 Network viewer

 Plot tools ▶

Applications

Combination Center ▶

About DORIS/RINEX  
format

## International DORIS Service

IDS is an international service which provides a support, through DORIS data and products, to geodetic, geophysical, and other research and operational activities.

In this section:

- Tools: Table of system events, Day convertor (new), Network viewer and Plot tools
- Analysis activity: Applications (new), Combination Center, About DORIS/RINEX format



Section content

List of the documentation

Outreach material

Technical documents

Articles

IDS publications

Presentations

IDS documents

FAQ

Newsletter

IDS Activity Reports

## International DORIS Service

IDS is an international service which provides a support, through DORIS data and products, to geodetic, geophysical, and other research and operational activities.

- Menus open on the left if display is not possible on the right (depending on the size of the window when the site is opened)

# Section contents

---



- IDS
- Network & Station
- Missions & System
- Data & Products
- User corner
- Resources

### Section content

Quick reference list

Organization ▶

- > About IDS
> Terms of Reference
> Structure
> Governing Board
> Central Bureau
> Analysis coordination
> Analysis Centers
> Combination Center
> Data Centers
> Working Groups
> Associate Members

Meeting calendars ▶

Contacts & links ▶

Gallery

## Section content

This section provides information about the International Service: organization of the service, meeting calendars, contact and links, photo gallery.

**Quick reference list:** selection of information and links relating to IDS and DORIS

### Organization

- **About IDS:** why the service was created and the milestones in its history since 1993
- **Terms of Reference:** the purpose and functions of the IDS, its mission and its organization
- **Structure:** the components of the IDS
- **Governing Board:** composition of the IDS Governing Board since 2003, representatives and delegates
- **Central Bureau:** composition of the Central Bureau
- **Analysis coordination:** composition of the Analysis Coordination
- **Analysis Centers:** list of the Analysis Centers, Associate Analysis Centers, and other associated groups
- **Combination Center:** composition of the Combination Center
- **Data Centers:** data centers archiving the DORIS data, derived products, and ancillary information
- **Working Groups:** objectives and members of the working groups
- **Associate Members:** list of the IDS Associates, persons representing organizations that participate in any of the IDS components.

### Meeting calendars

- **IDS Meetings:** meetings organized by the IDS (Workshops, Analysis Working Group, ...)
- **Meetings relevant for IDS:** meetings and conferences related to the work of the IDS
- **Other Calendars:** calendars of sister services and other resources

### Contacts & links

- **Contacts:** main points of contact of the IDS
- **Links:** a selection of links to other relevant web pages
- **Directory:** contact information (mailing address, phone, fax, email, and web site address) of persons involved in IDS/DORIS activities



### Gallery

Selection of photos taken in IDS meetings (**Analysis Working Group meetings**, **IDS Workshop**, **Governing Board meetings**) but also photos of the **stations** (local teams, DORIS equipment, obstruction views)

- Bold titles for levels 1 (ex. Organization; Gallery)
  - Short description for levels 1 and levels 2





### Section content


- Network browser (sitelogs)
- Maps
- Network on Google Earth
-  Network viewer
-  Station position times series

## Section content


This section provides information about the ground network and the stations.

-  *external link (to another website)*
-  *internal link (to another section of this site)*




### Tracking Network

- Network browser (sitelogs):** map and table of the past and current DORIS sites, and access for each site to the **site logs** (description forms), pictures, news (DORIS mails, local events) from the DORIS installation and maintenance department (IGN/CNES) and link to the position time series of the IDS webservice
- Maps:** a selection of maps of the DORIS network (sites, colocations, satellite tracks and visibility circles)
- Network on Google Earth:** download a kml and make a virtual tour of the DORIS network
-  **Network viewer** (redirection to the IDS web service: <https://apps.ids-doris.org/apps/>): link to the viewer of the IDS webservice



### Stations

-  **Station position time series** (redirection to the IDS web service: <https://apps.ids-doris.org/apps/>): link to the plot tool of the IDS webservice



### Other linked pages on this website

-  **Table of events** (in User corner): main events that occurred on the DORIS space segment and ground segment
-  **Gallery** (in IDS): photos of the stations (**local teams**, **DORIS equipment**, **obstruction views**)
-  **Technical documents** related to the ground segment (in Resources)

- IDS
- Network & Station
- Missions & System
- Data & Products
- User corner
- Resources



- Icons  (external link) and  (internal link) defined
- Additional pages from other sections can be linked to the section and noted as internal links

#### Section content


-  [The DORIS technique](#)
- Missions
- Satellites in orbit
-  [Orbit residuals time series](#)

## Section content


This section provides information about the [DORIS](#) technique, and the satellites.

-  [external link \(to another website\)](#)
-  [internal link \(to another section of this site\)](#)



### Technique

-  [The DORIS technique](#) (redirection to [Aviso+](https://www.aviso.altimetry.fr/) website <https://www.aviso.altimetry.fr/>): principle, system (instruments onboard, ground beacons, control and processing center, a system constantly evolving, [DIODE](#)), applications, missions

### Satellites

- [Missions](#): [timeline and table of the past and current DORIS-equipped satellites contributing to IDS, and acces for each mission to the attributes, satellite events, references and a video](#)
- [Satellites in orbit](#): videos of the DORIS-equipped satellites in orbit available on the [IDS](#) video channel
-  [Orbit residuals time series](#) (redirection to the IDS web service: <https://apps.ids-doris.org/apps/>): link to the plot tool of the [IDS](#) webservice

### Other linked pages on this website

-  [Table of events](#) (in User corner): main events that occurred on the DORIS space segment and ground segment
-  [Technical documents](#) related to the space segment (in Resources)

### Section content

Tables of Data & Products

Data structure and formats

Information & DC organization

Central Bureau [https](https://ids-doris.org/documents/BC/)

[CDDIS](https://ids-doris.org/documents/BC/) [https](https://ids-doris.org/documents/BC/)

[IGN](ftp://doris.ign.fr/pub/doris/) <ftp://doris.ign.fr/pub/doris/>

## Section content

This section describes and give acces to the data, products, information.

[external link](#) (to another website)

[internal link](#) (to another section of this site)

### What and Where

- **Tables of Data & Products** : data table, product table, data availability and format per mission, data availability and number of satellites, [CNES](#) (ssa) orbit product available in sp3 format, list of non-existent data files
- **Data structure and formats**
- **Information & data center organization**

### Access

- **Central bureau:**
  - [HTTPS](https://ids-doris.org/documents/BC/) <https://ids-doris.org/documents/BC/>
  - [FTP](ftp://ftp.ids-doris.org/pub/ids/) <ftp://ftp.ids-doris.org/pub/ids/> (alternative link)
- [CDDIS](#) **Data Center:** [HTTPS](#) [archive](#) (authenticated access), [web site](#)
- [IGN](#) **Data Center:** [FTP](ftp://doris.ign.fr/pub/doris/) <ftp://doris.ign.fr/pub/doris/>

### Other linked page on this website

- [Technical documents](#) (in Resources)

It's very likely that the FTP protocol is not supported by your web browser.  
**The alternative is to use a FTP client such as WinSCP, FileZilla, MobaXterm.**

- IDS
- Network & Station
- Missions & System
- **Data & Products**
- User corner
- Resources

- IDS
- Network & Station
- Missions & System
- Data & Products
- **User corner**
- Resources

## User corner

- A classification by user type is proposed in the second part of the page ...

### Section content

[Table of system events](#)

[Day convertor](#)

[Network viewer](#)

[Plot tools](#)

[Applications](#)

[Combination Center](#)

[About DORIS/RINEX format](#)

## Section content

This section provides information for users: tools and analysis activities.

**Shortcut to classification by user type:** beginner, competent, expert.

[external link \(to another website\)](#)

[internal link \(to another section of this site\)](#)

### Tools

**Table of system events:** chronology of the main events that occurred on the [DORIS](#) space segment and ground segment.

- System: onboard (satellites, [DORIS](#) instruments, [DIODE](#) navigator software), on the ground (Satellite Control Center, [DORIS](#) control and data processing center, acquisition station)
- Station: beacon network (new site, new installation, change of beacon equipment, data gap, invalid data)
- Data: events impacting data (not delivered data, data redelivery, change in [POE](#) data processing, change in acquisition mode)
- Earthquake: Earthquakes with magnitude larger than 6 in the vicinity of [DORIS](#) sites (less than 500 km)

**Day convertor:** converting calendar days to Julian days and vice versa

[Network viewer](#) (redirection to the [IDS](#) web service: <https://apps.ids-doris.org/apps/>) to select sites and display:

- [DORIS](#) sites since network deployment start
- [IGS](#), [ILRS](#) and [IVS](#) sites colocated with [DORIS](#)
- Plate boundaries from Bird, 2003
- Horizontal and vertical velocity vectors from DPOD2014 solution
- Earthquakes with a magnitude  $\geq 6$  around [DORIS](#) stations (USGS source).

[Plot tools](#) (redirection to the [IDS](#) web service: <https://apps.ids-doris.org/apps/>) to browse [time series](#) of [DORIS](#)-related products:

- [Station position](#) differences at observation epochs relative to a reference position (North, East and Up trended time series).
- [Orbit residuals](#) and amount of station measurements from [CNES](#) Precise Orbit Ephemeris processing ([RMS](#) of post-fit orbit residuals, total and validated number of [DORIS](#) measurements per arc).
- [Combination parameters](#) i.e. outputs of the [IDS](#) Combination Center analysis ([WRMS](#) of station position residuals, scale and translation parameters, number of stations used in the analysis).
- [Earth Orientation Parameters](#) from the [IDS](#) Combination Center analysis ( $X_p$ ,  $Y_p$ ,  $LOD$ ).
- [Position residuals](#) of the cumulative solution from the [IDS](#) Combination Center analysis (North, East, Up).

### Analysis activity

**Applications:** what [DORIS](#) can observe to characterize the geodetic properties of Earth

Products of the **Combination Center**

- [Activity & Products of the Combination Center](#)
- [Cumulative solution](#)
- [DPOD](#)
- Contributions to [ITRF](#) ([ITRF2008](#), [ITRF2014](#), [ITRF2020](#))

**About [DORIS/RINEX](#) format**

**Other linked page on this website**

[Technical documents for data analysis](#) (in Resources)



- IDS
- Network & Station
- Missions & System
- Data & Products
- User corner
- Resources

## User corner

- ... three type of users are defined:  
beginner (ex: student)  
competent (ex: geophysicist)  
expert (ex: DORIS data analyst)

### Beginners: discover DORIS and IDS products

Network viewer (Web service) to select sites and display:

- DORIS sites since network deployment start
- IGS, ILRS and IVS sites colocated with DORIS
- Plate boundaries from Bird, 2003
- Horizontal and vertical velocity vectors from DPOD2014 solution
- Earthquakes with a magnitude  $\geq 6$  around DORIS stations (USGS source).

Plot tools (Web service) to browse time series of DORIS-related products:

- **Station position** differences at observation epochs relative to a reference position (North, East and Up trended time series).
- **Orbit residuals** and amount of station measurements from CNES Precise Orbit Ephemeris processing (RMS of post-fit orbit residuals, total and validated number of DORIS measurements per arc).
- **Combination parameters** i.e. outputs of the IDS Combination Center analysis (WRMS of station position residuals, scale and translation parameters, number of stations used in the analysis).
- **Earth Orientation Parameters** from the IDS Combination Center analysis (Xp, Yp, LOD).
- **Position residuals** of the cumulative solution from the IDS Combination Center analysis (North, East, Up).

### Competent users: know more about and use IDS products

**Applications:** what DORIS can observe to characterize the geodetic properties of Earth

Products of the Combination Center

- Activity & Products of the Combination Center
- Cumulative solution
- DPOD
- Contributions to ITRF (ITRF2008, ITRF2014, ITRF2020)

### Experts: information for data analysis

About DORIS/RINEX format

**Day convertor:** converting calendar days to Julian days and vice versa

**Table of system events:** chronology of the main events that occurred on the DORIS space segment and ground segment.

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Technical documents for data analysis (in Resources)

- IDS
- Network & Station
- Missions & System
- Data & Products
- User corner
- Resources

#### Section content

List of the documentation

Outreach material

Technical documents

Articles ▸

IDS publications ▸

Presentations ▸

IDS documents ▸

FAQ

## Section content

This section gathers the outreach and technical documentation Technical and IDS documents, bibliography, presentations, newsletter, mailing lists.

**List of the documentation:** all links to the pages where the documentation provided by the IDS is stored.

For beginners:

- **Outreach material:** Leaflets, videos, ...

For experts:

- **Technical documents:** documents and input material useful for data and product users

**Articles:**

- **DORIS bibliography:** list of DORIS publications in international peer-reviewed journals
- **Citation:** article suggested for citation in papers and presentations that rely on DORIS data and results.

**IDS publications:**

- **Newsletter:** IDS newsletters
- **IDS activity reports:** annual activity reports of the IDS components; reports for IAG, IERS, WDS

**Presentations:**

- **Presentations at IDS meetings:** presentations at IDS Workshops and Analysis Working Group meetings
- **IDS-related presentations:** meeting abstracts, proceedings and presentations about IDS given in international assemblies
- **OSTST POD sessions:** presentations of the Precise Orbit Determination session at OSTST meetings
- **Other publications:** list of downloadable documents related to all aspects of DORIS (on-line publications, abstracts, presentations, ...)

**IDS documents:**

- **Minutes IDS GB meetings:** minutes of the meetings of the Governing Board
- **Other documents.** On this page, you will find the find the following documents:
  - **Governing Board:** presentations, recommendations, other documents
  - **Analysis Coordination:** minutes of AWG meetings, other documents
  - **IDS logos**
- **Mails:** IDS mailing lists (lists of distributed mails, archives)

**FAQ:** Frequently Asked Questions

# Some features

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Section content

Quick reference list

Organization ▶

Meeting calendars ▶

▶ **IDS Meetings**

▶ Meetings relevant for IDS

▶ Other Calendars

Contacts & links ▶

Gallery

- New presentation of the IDS meetings
- View by year ...

## IDS meetings

Page 1 of 26

Presentations given at IDS meetings can be found on the page "[Meeting presentations](#)"

### Upcoming meetings

#### DORIS Analysis Working Group Meeting, Athens, November 6-7, 2025

- Dates: November 6 (full day) & 7 (morning), 2025
- Local host: Maria Tsakiri (NTUA)
- Meeting location: **Athens**
- Hybrid meeting
- Other related event (invitation-only): **Governing Board hybrid meeting**, Friday November 7 (TBD)

More information in the coming weeks

### Past meetings ...

[Next](#)

📅 Last Updated: 10 April 2025

### Article Index

IDS meetings

2025

2024

2023

2022

2021

2020

2019

2018

2017

2016

2015

2014

2013

2012

2011

2010

2009

2008

# Past meetings ...

## 2025

### DORIS Analysis Working Group Meeting, online, March 24, 2025

- Dates: Monday 24 March 2025 (14:00 CEST, 13:00 UTC)
- Organization: Petr Štěpánek (GOP)
- Online meeting
- [List of presentations](#)
- List of attendees:

Adrian Banos-Garcia	Jean-Pierre Chauveau
Alexandre Couhert	Jérôme Saunier
Anna Kelley	John Moyard
Anton Reinhold	Julian Zeitlhöfler
Arnaud Pollet	Karine Le Bail
Bruce Haines	Laurent Soudarin
Cécile Manfredi	Maria Tsakiri
Eléonore Saquet	Ningbo Wang
Ernst Schrama	Patrick Schreiner
Frank Lemoine	Petr Stepanek
Georgia Katsigianni	Samuel Nahmani
Guilhem Moreaux	Sergei Rudenko
Heike Peter	Théo Gravelon
Hugues Capdeville	Vikash Kumar
Jean-Michel Lemoine	Xanthos Papanikolaou
Jean-Paul Boy	Zuheir Altamimi

○ ... or all pages

2014

2013

2012

2011

2010

2009

2008

2006

2004

2003

2002

2000

1998

1990

All Pages

## 2024

### IDS Workshop, Montpellier, France, 4-5 September 2024

The IDS workshop 2024 was held at Le Corum in Montpellier, France, on **Wednesday 4 (afternoon) and Thursday 5 (all day) September 2024**, as part of the "30 Years of Progress in Radar Altimetry" Symposium (<https://www.altimetry2024.org>)

A Governing Board meeting took place on Thursday 5th at the end of the day.

Section content

Quick reference list

Organization ▶

Meeting calendars ▶

Contacts & links ▶

**Gallery**

- Updated version of the Gallery
- Four main categories





Section content

Quick reference list

Organization ▶

Meeting calendars ▶

Contacts & links ▶

**Gallery**

## GALLERY - DORIS EQUIPMENT

← Stations



○ Larger thumbnails

## Section content

Network browser (sitelogs)

## Maps

Network on Google Earth

Network viewer

Station position times series

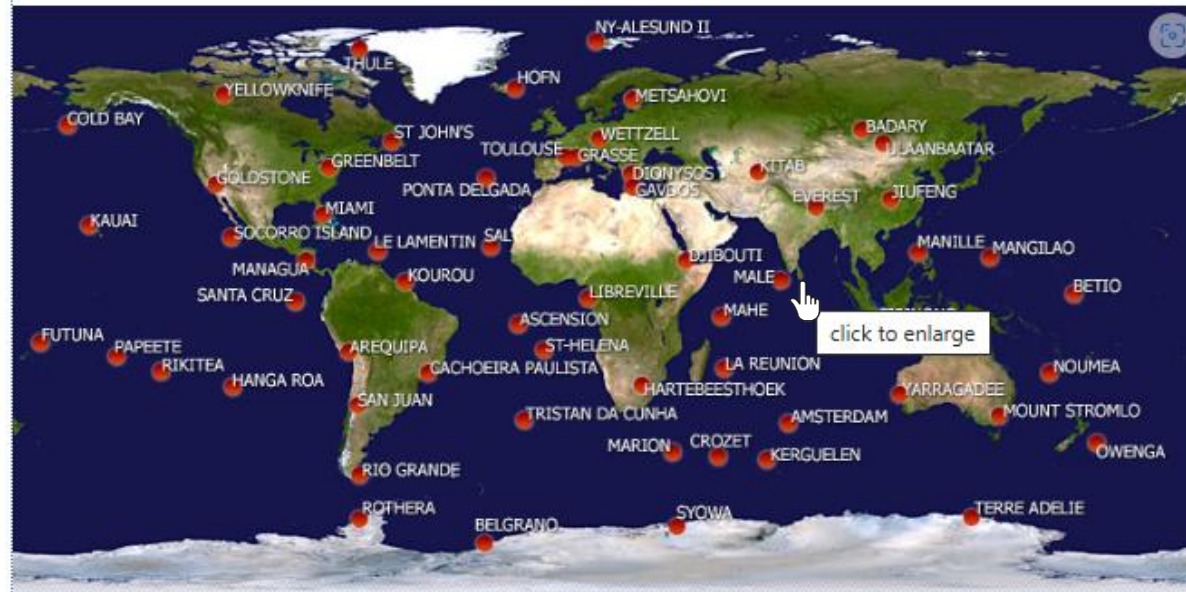
## Maps

Here is a selection of maps of the DORIS network.

[sites](#) | [colocations](#) | [satellite tracks](#) | [stations visibilities](#)

## DORIS sites

Map of the current DORIS network



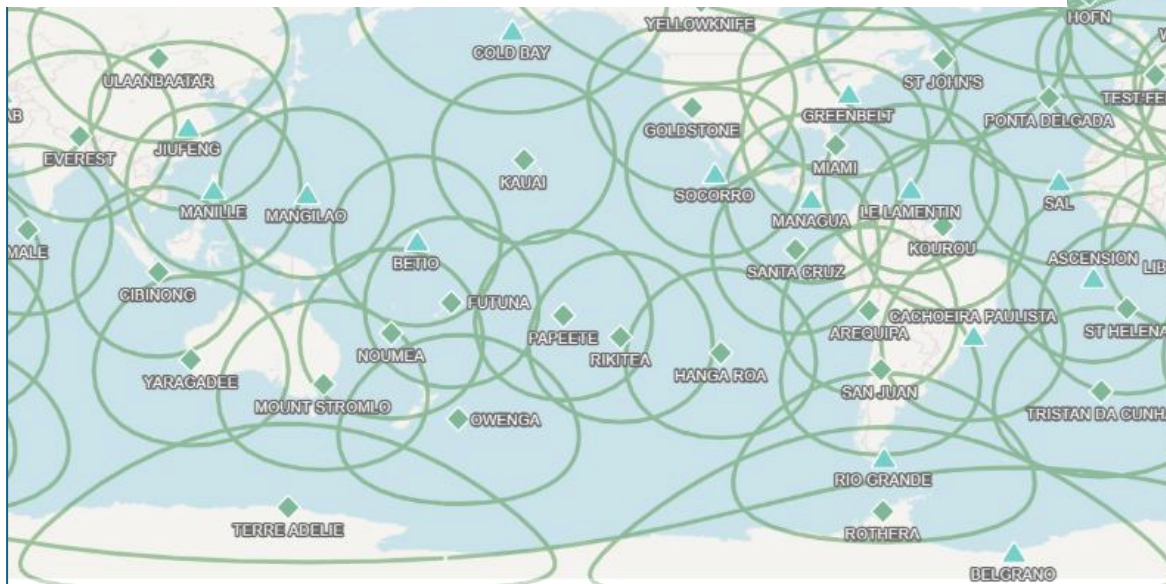
- Updated map page
- Larger maps
- New maps: satellite tracks, stations visibilities

DORIS sites (as of December 2024)

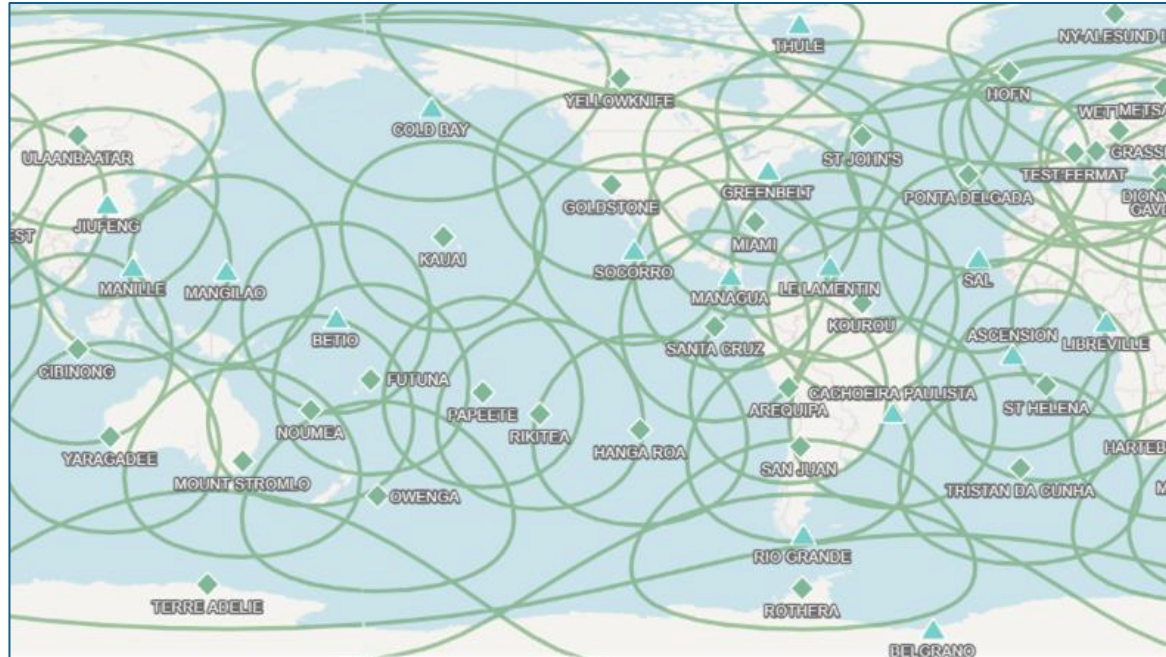




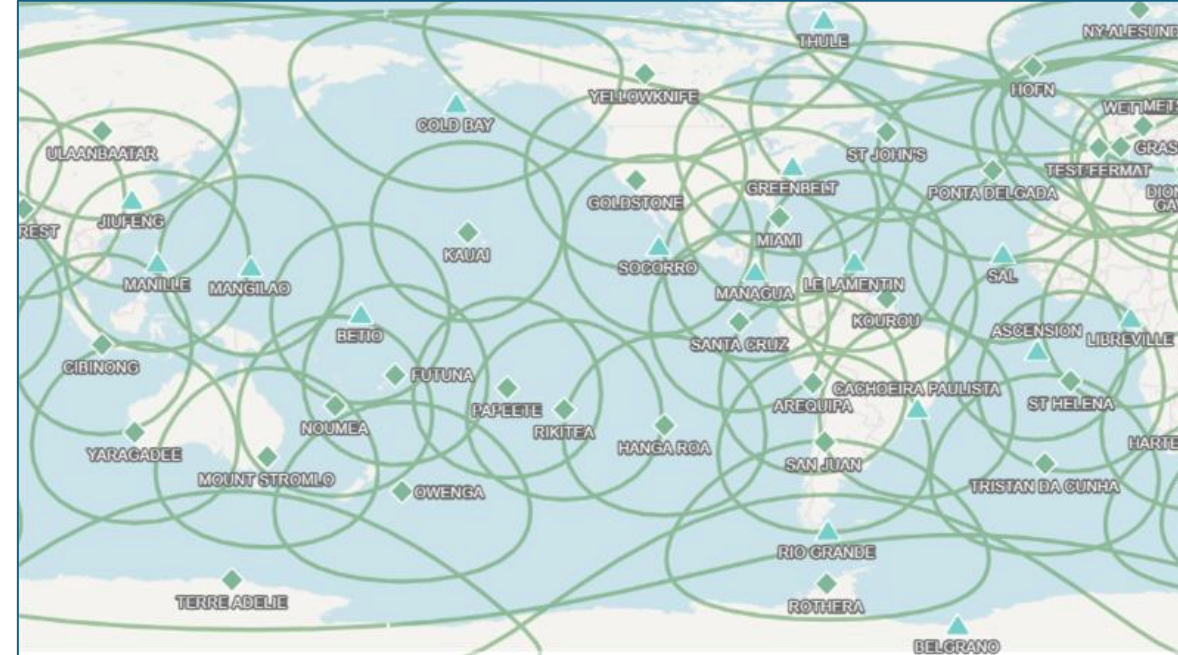
# NEW - DORIS stations visibilities, elevation 5°



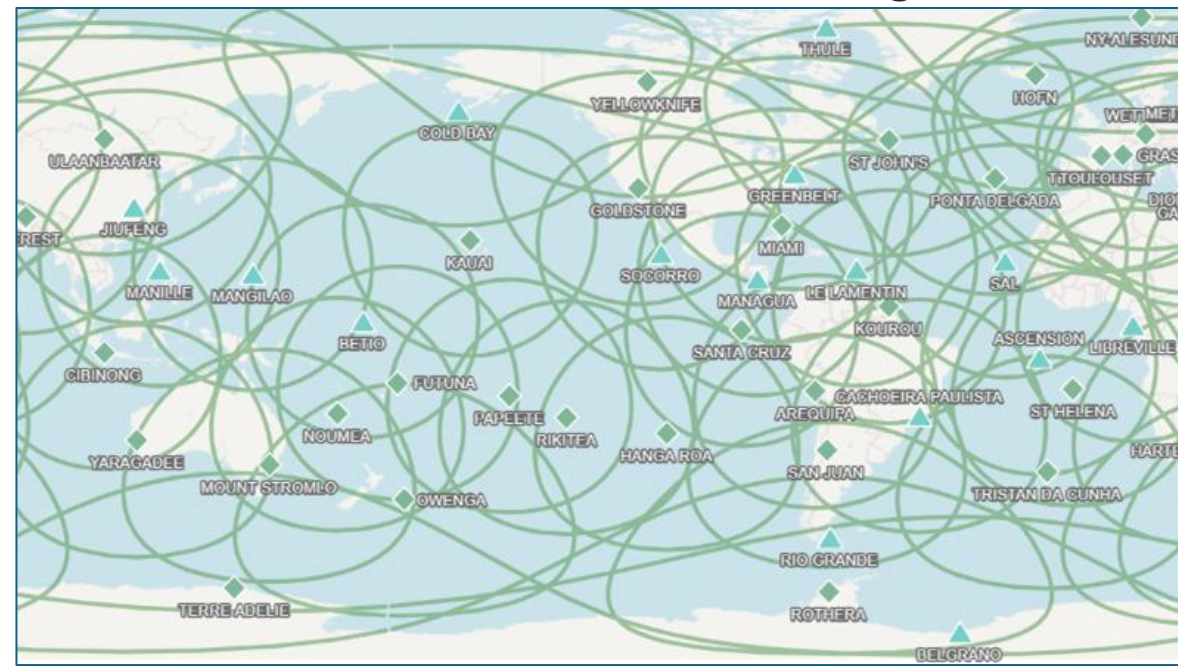
Cryosat-2: ~700 km altitude (92 deg. inclination)



Swot: ~890 km altitude (77 deg. inclination)



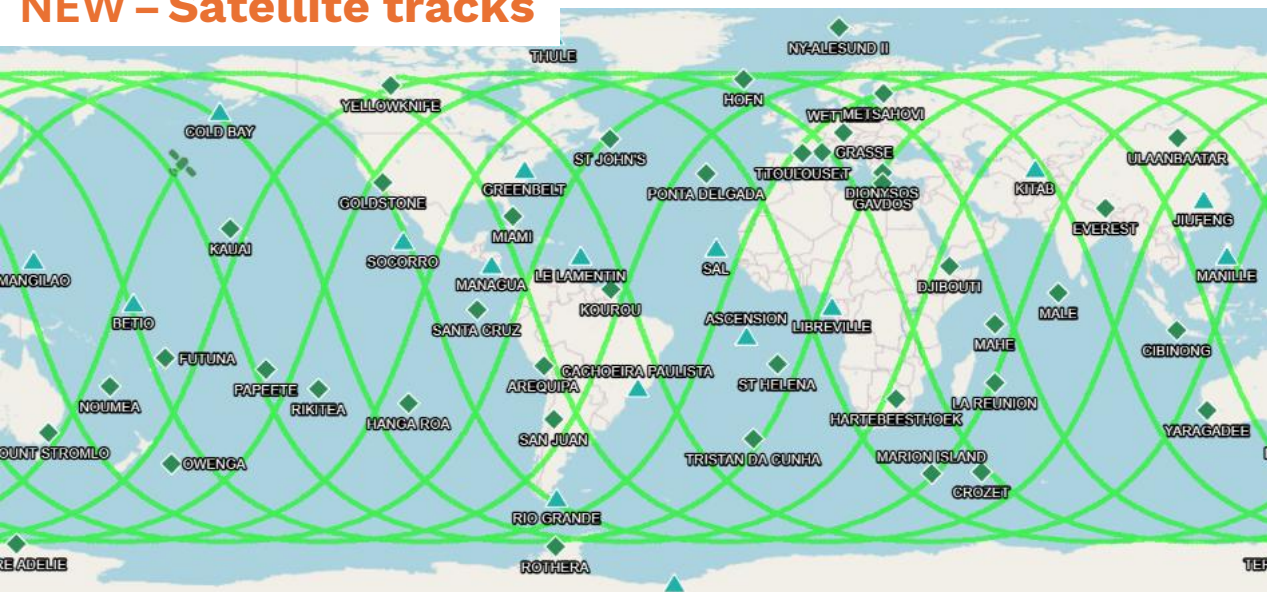
Sentinel-3B: ~800 km altitude (98 deg. inclination)



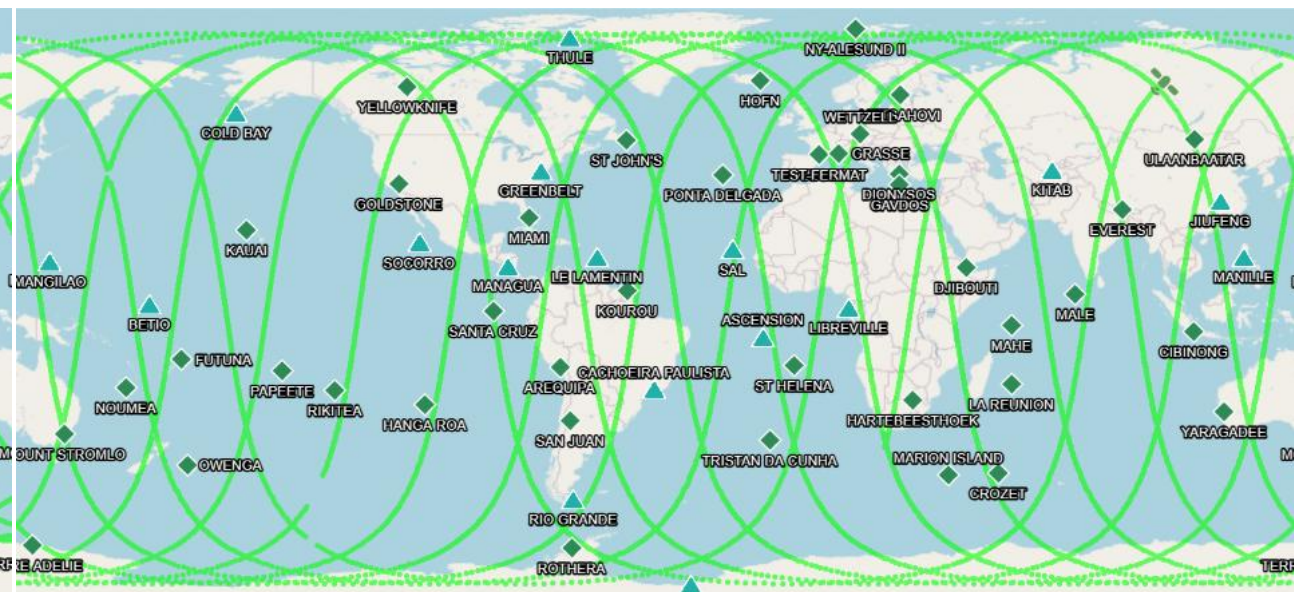
Sentinel-6A: 1336 km altitude (66 deg. inclination)



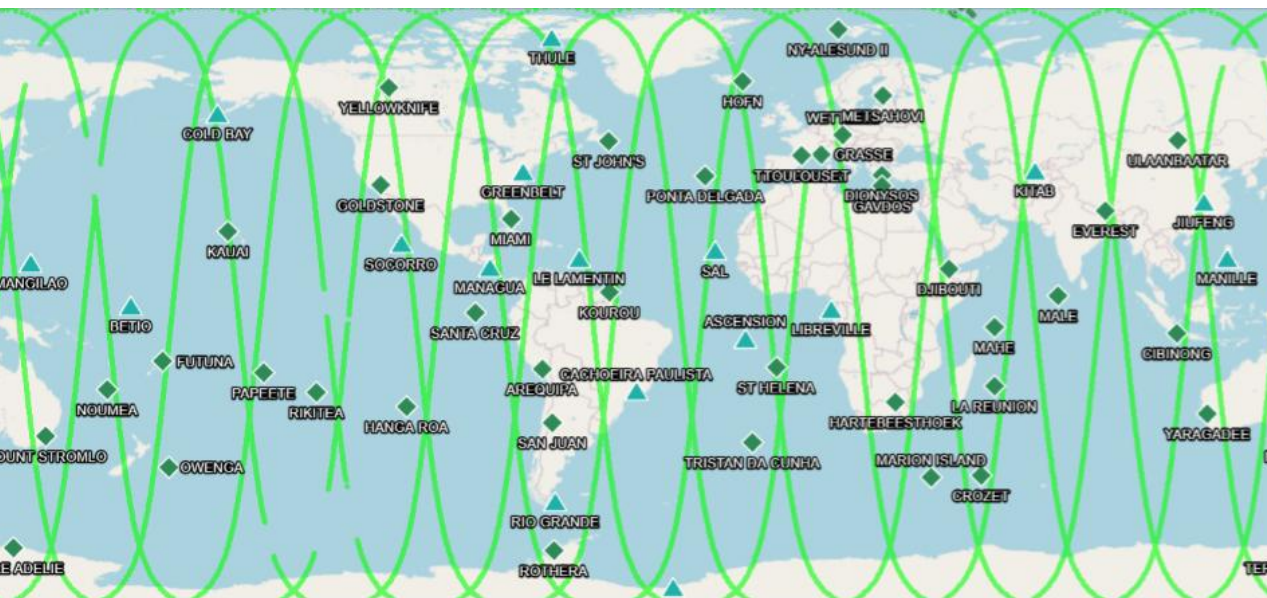
## NEW – Satellite tracks



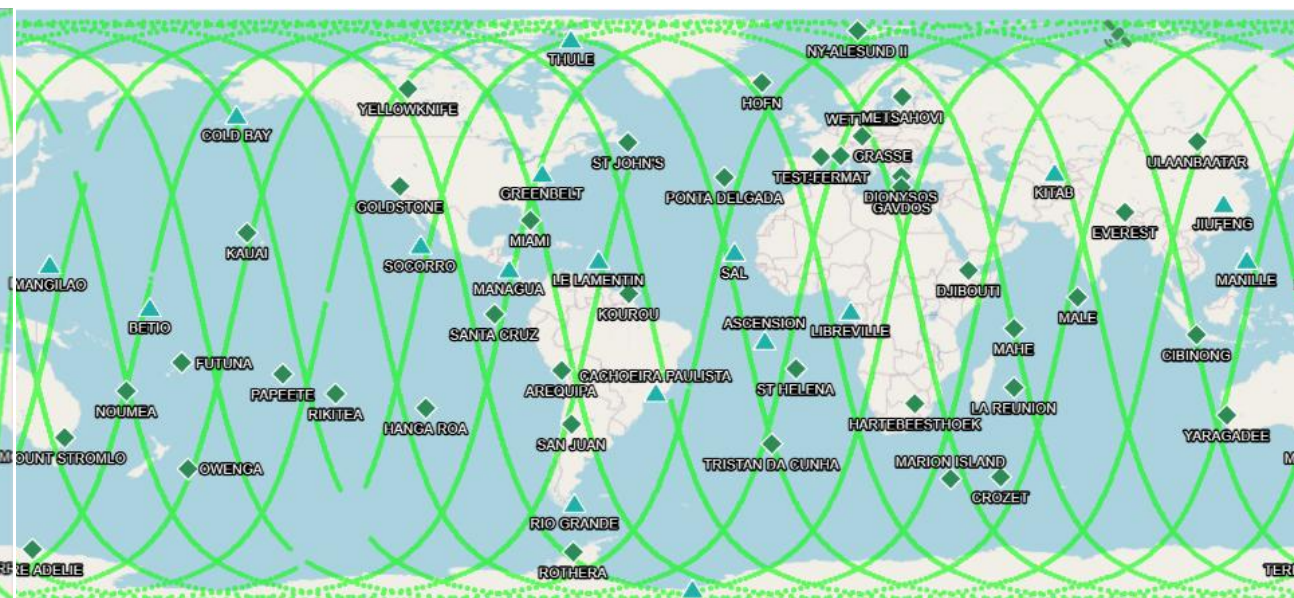
Sentinel-6A: 66 deg. inclination (1336 km altitude)



Swot: 77 deg. inclination (~890 km altitude)



Cryosat-2: 92 deg. inclination (~700 km altitude)



Sentinel-3B: 98 deg. inclination (~800 km altitude)



## NEW – Day convertor

[Home](#) / [User corner](#) / [Day convertor](#)

Section content

[Table of system events](#)

**Day convertor**

[Network viewer](#)

[Plot tools](#) ▶

Applications

[Combination Center](#) ▶

[About DORIS/RINEX format](#)

### Calendar days or julian days

CNES julian days are number of days since January 1<sup>st</sup>, 1950.

NASA julian days are number of days since January 1<sup>st</sup>, 1958.

Calendar day

/  /

(yyyy / mm / dd)

[Convert to Julian Day](#)

Julian days ☒ CNES

☐ NASA

[Convert to Calendar Day](#)

○ Tool from Aviso website

 Last Updated: 27 January 2025

## NEW

[Section content](#)[Table of system events](#)[Day convertor](#)[📄 Network viewer](#)[📄 Plot tools ▶](#)

### Applications

[Combination Center ▶](#)[About DORIS/RINEX format](#)

### ○ List of variables observed by DORIS

## What DORIS can observe to characterize the geodetic properties of Earth

DORIS has proven greatly valuable for geodesy and geophysics applications. It contributes to the observation and determination of variables that characterize the properties of Earth, whether geodetic, geophysical or atmospheric.

Here is a list of the variables that the system can observe and that have been published since the 2000s.

- Tectonic plate parameters [[Kraszewska et al., 2018](#)]
- Horizontal and vertical velocities of the stations [[Moreaux et al., 2016](#)]
- Glacial Isostatic Adjustment [[King et al., 2010](#)]
- Long-time series of station positions, records of events affecting the DORIS stations such as:
  - Earthquakes (eg Gorkha Earthquake recorded at Everest's station) [[Moreaux et al., 2019](#)],
  - present day ice melt of nearby glaciers (eg uplift acceleration in Thule, Greenland) [[Moreaux et al., 2019](#)],
  - volcanic activity (eg deflation of the Mt. Evermannn volcano observed at Socorro) [[Briole et al., 2009](#)],
  - subsidences (eg slow subsidence of the Tahiti island) [[Fadil et al. 2011](#)], ...
- Contribution to the realization of the ITRF [[Moreaux et al., 2016](#)]
- Geocenter motion [[Couhert et al., 2018](#)] and Scale of the Terrestrial Reference Frame [[Štěpánek and Filler, 2018](#)]
- Earth Pole coordinates and estimation of LOD [[Štěpánek et al., 2018](#)]
- Precise orbits for altimeter missions contributing to determination of the Mean Sea Level [[Rudenko et al., 2019](#)]
- Contour of the South Atlantic Anomaly [[Capdeville et al., 2016](#)]
- Vertical Total Electron Content of the Earth's ionosphere [[Dettmering et al., 2014](#)]
- Detection of scintillations (eg CITRIS project) [[Siefring et al., 2011](#)]
- Thermosphere perturbations during severe geomagnetic conditions [[Willis et al., 2005](#)]
- Long time-series of tropospheric delays and precipitable water [[Bock et al., 2014](#)]

# Landing pages

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Section content

Table of system events

Day convertor

[Network viewer](#)

[Plot tools](#) ▶

Applications

**Combination Center** ▶

▶ Activity & Products

▶ Cumulative solution

▶ DPOD

▶ **Contributions to ITRF**

About DORIS/RINEX format

## Contributions to ITRF

IDS's first contribution to the realization of the [ITRF](#) (International Terrestrial Reference Frame) was the provision of individual solutions for ITRF2005 by two analysis centers ([IGN](#), [LEGOS-CLS](#)). Previously, [DORIS](#) solutions produced by four groups had been included in the [ITRF](#) computations: ITRF94, ITRF96, ITRF97: contributions of [CSR](#), [GRGS](#) and [IGN](#)  
ITRF2000: contributions of [AUSLIG](#), [GRGS](#) and [IGN](#)

Find below elements about the IDS contribution to the following [ITRS](#) realizations:

[ITRF2020](#) | [ITRF2014](#) | [ITRF2008](#) | [ITRF2005](#)

## Contribution to ITRF2020

([ITRF web page](#))

The [IDS 16](#) series is the [DORIS](#) contribution to the ITRF2020. This product is referenced with a DOI: [10.24400/312072/i01-2021.001](#) (follow the link to read more).

See the page: "[IDS 16 - Contribution to ITRF2020](#)"

- Landing pages (linked to a DOI) are level-3 pages, not accessible directly in the menu, but from level-2 pages



#### Section content

[Table of system events](#)

[Day convertor](#)

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[Applications](#)

**Combination Center** ▶

▶ [Activity & Products](#)

▶ [Cumulative solution](#)

▶ [DPOD](#)

▶ **[Contributions to ITRF](#)**

[About DORIS/RINEX format](#)

## IDS 16 - Contribution to ITRF2020

The IDS 16 series is the DORIS contribution to the [2020 realization of the International Terrestrial Reference Frame](#).

It provides weekly positions of the DORIS stations and daily Earth Orientation Parameters

This series of 1456 weekly SINEX files contains positions of 201 DORIS stations located at 87 DORIS sites from 1993.0 to 2021.0. The series is the combination of ESA 13 (ESA/ESOC), GOP 67 (Geodetic Observatory Pecny) , GRG 43 (CNES/CLS) and GSC 51 (NASA/GSFC) DORIS multi-satellite solutions processed for the realization of the ITRF2020 according to the IDS standards.

### DOI and Metadata

This product is referenced with a DOI: [10.24400/312072/i01-2021.001](#)

More [metadata](#)

### Product access

The product (zipped SINEX files `idsyyddwd16.snz.Z*`) can be freely downloaded at the [CDDIS HTTPS server](#) or via the non authenticated [IGN FTP site](#) (the FTP protocol may not be supported by your browser, the alternative is to use a FTP client such as WinSCP, FileZilla, MobaXterm ).

\*[naming convention](#)

### Citation

If you use the data, please cite: "The IDS 16 series was produced by the IDS Combination Center (DOI: [10.24400/312072/i01-2021.001](#))"

- Ex: Landing page of the **product** « IDS contribution to ITRF2020 »
- Same page organization to be used for each product landing page (to be confirmed)

Section content

List of the documentation

Outreach material

Technical documents

Articles ▶

IDS publications ▶

> Newsletter

> **IDS Activity Reports**

Presentations ▶

IDS documents ▶

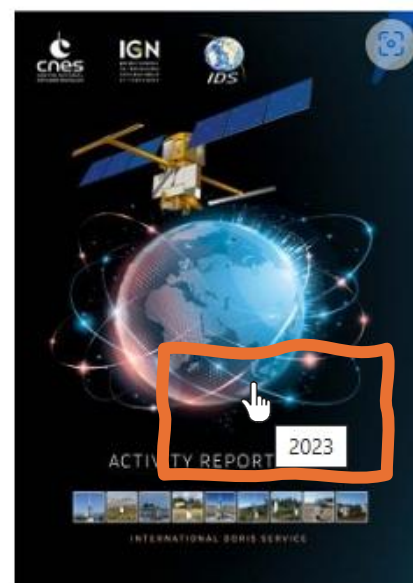
FAQ

## Activity Reports

Categories: [IDS AR](#) | [for IAG](#) | [for IERS](#) | [for WDS](#)

### Activity reports of the IDS components

(click on the images to access the report)



- Landing pages (linked to a DOI) are level-3 pages, not accessible directly in the menu, but from level-2 pages

Section content

List of the documentation

Outreach material

Technical documents

Articles ▶

**IDS publications ▶**

Presentations ▶

Internal documents ▶

FAQ

## IDS Activity report 2023



Publication year: 2024

Main contributors: Boniface C., Capdeville H., Dettmering D., Kuzin S., Lemoine F., Moreaux G., Nahmani S., Pollet A., Saunier J., Schreiner P., Soudarin L., Štěpánek P., Yates T., Zeitlhöfler J.

Editors: L. Soudarin and C. Boniface

DOI: [10.24400/312072/i02-2024.002](#)

[More metadata](#)

Citation: IDS Activity report 2023. L. Soudarin and C. Boniface (Eds), Toulouse, International DORIS Service and CNES, 2024.

- Ex: Landing page of the **document** « IDS Activity report 2023 »
- Same page organization to be used for each document landing page (to be confirmed)

# Footer menu

 [Home](#) / [Site map](#)

## Site map

[Contacts](#)

[Citation](#)

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[Policy](#)

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## • User corner

- [Section content](#)
- [Table of system events](#)
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  - [Activity & Products](#)
  - [Cumulative solution](#)
  - [DPOD](#)
  - [Contributions to ITRF](#)
    - [ITRF2020](#)
- [About DORIS/RINEX format](#)

- [Landing pages can be found in the Site Map \(footer menu\)](#)

## • Resources

- [Section content](#)
- [List of the documentation](#)
- [Outreach material](#)
- [Technical documents](#)
- [Articles](#)
  - [DORIS bibliography](#)
  - [Citation](#)
- [IDS publications](#)
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  - [IDS Activity Reports](#)
    - [IDS Activity report 2023](#)
    - [IDS Activity report 2022](#)
    - [IDS Activity report 2021](#)
    - [IDS Activity report 2019-2020](#)
    - [IDS Activity report 2018](#)
    - [IDS Activity report 2017](#)
    - [IDS Activity report 2016](#)
    - [IDS Activity report 2015](#)
    - [IDS Activity report 2014](#)
    - [IDS Activity report 2013](#)
    - [IDS Activity report 2012](#)
    - [IDS Activity report 2011](#)
    - [IDS Activity report 2010](#)
    - [IDS Activity report 2009](#)
    - [IDS Activity report 2006-2008](#)
    - [IDS Activity report 2003-2005](#)
- [Presentations](#)
  - [Presentations at IDS meetings](#)
  - [IDS-related presentations](#)
  - [OSTST POD sessions](#)
  - [Other publications](#)
- [IDS documents](#)
  - [Minutes IDS GB meetings](#)
  - [Other IDS documents](#)
  - [Mails](#)
- [FAQ](#)



# Alternative organizations

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# Resources > List of the documentation

Section content

List of the documentation

Outreach material

Technical documents

Articles ▶

IDS publications ▶

Presentations ▶

IDS documents ▶

FAQ

## List of the documentation

This page presents a classification of the documents and information on this site according to five categories

Categories: [Outreach](#) | [DORIS system components](#) | [IDS information system](#) | [Publications, presentations](#) | [Documents](#)

### Outreach

**Discover DORIS** What is [DORIS](#)? How does it work? Network on Google Earth

**Leaflets** on the DORIS system; the [IDS](#) webservice DOR-O-T

**Videos** (on the IDS channel) the DORIS missions; some outreach videos on the DORIS system

**Newsletters** DORIS (1990-1993) and IDS (since April 2016)

### DORIS system components

**About the DORIS system** (on website [AVISO+](#))

- Principle
- DORIS System
- DORIS applications
- DORIS missions

**About the station management**

**Sitelogs** (logs of the DORIS sites)

## IDS information system

### IDS data structure and formats

- What kind of information on what center?
- File naming conventions
- Data Centers structure
- Formats

### Data and products

**Mails** (information about the mailing lists)

- DORISmails [List of the mails](#) [Archive](#)
- DORISreports [List of the mails](#) [Archive](#)
- DORISstations [List of the mails](#) [Archive](#)
- Analysis Forum [List of the mails](#) [Archive](#)

## Publications, presentations

### IDS Newsletters

**List of DORIS publications in international peer-reviewed journals**

**Presentations at IDS meetings** (presentations at IDS Workshops and Analysis Working Group meetings only)

**IDS-related presentations** (presentations about the Service given in international assemblies)

**DORIS-related presentations** (other presentations and on-line publications related to all aspects of DORIS)

## Documents

### Documents for the data analysis

- General
- DORIS system
- **Space segment** (instrument modelling, satellite macromodels, attitude, quaternions, maneuvers, mass and gravity center history, SAA corrective model)
- **Ground segment** (ground beacon and antenna modelling, radio-frequency characteristics, antenna phase laws, documents)
- **Stations** (ties, frequency shift, [SINEX](#) master file)
- **Observations** (formats, preprocessing descriptions, [PQE](#) standards)
- Analysis models
- Analysis Center
- Products (formats)

### About the DORIS/RINEX format

**Documents of the Analysis Coordination** (minutes of AWG meetings, recommendations, position papers)

### Documents of the Governing Board

- Minutes of GB meeting
- Activity Reports (IDS annual reports , reports for [IAG](#), reports for [IERS](#))
- Recommendations
- Presentations (IERS DB, GGOS Bureau Networks and Communications, others)
- Other documents

○ This page offers a classification of the documentation according to five categories, beside the classification offered by the section menu

## Section content

This section provides information for users: tools and analysis activities.

Shortcut to classification by user type: beginner, competent, expert.

### (reminder) User corner

- A classification by user type is proposed in the second part of the page ...

#### Beginners: discover DORIS and IDS products

Network viewer (Web service) to select sites and display:

- DORIS sites since network deployment start
- IGS, ILRS and IVS sites colocated with DORIS
- Plate boundaries from Bird, 2003
- Horizontal and vertical velocity vectors from DPOD2014 solution
- Earthquakes with a magnitude  $\geq 6$  around DORIS stations (USGS source).

Plot tools (Web service) to browse [time series](#) of DORIS-related products:

- Station position differences at observation epochs relative to a reference position (North, East and Up trended time series).
- Orbit residuals and amount of station measurements from CNES Precise Orbit Ephemeris processing (RMS of post-fit orbit residuals, total and validated number of DORIS measurements per arc).
- Combination parameters i.e. outputs of the IDS Combination Center analysis (WRMS of station position residuals, scale and translation parameters, number of stations used in the analysis).
- Earth Orientation Parameters from the IDS Combination Center analysis (Xp, Yp, LOD).
- Position residuals of the cumulative solution from the IDS Combination Center analysis (North, East, Up).

#### Competent users: know more about and use IDS products

Applications: what DORIS can observe to characterize the geodetic properties of Earth

Products of the Combination Center

- Activity & Products of the Combination Center
- Cumulative solution
- DPOD
- Contributions to ITRF (ITRF2008, ITRF2014, ITRF2020)

#### Experts: information for data analysis

About DORIS/RINEX format

Day convertor: converting calendar days to Julian days and vice versa

Table of system events: chronology of the main events that occurred on the DORIS space segment and ground segment.

- System: onboard (satellites, DORIS instruments, DIODE navigator software), on the ground (Satellite Control Center, DORIS control and data processing center, acquisition station)
- Station: beacon network (new site, new installation, change of beacon equipment, data gap, invalid data)
- Data: events impacting data (not delivered data, data redelivery, change in POE data processing, change in acquisition mode)
- Earthquake: Earthquakes with magnitude larger than 6 in the vicinity of DORIS sites (less than 500 km)

Technical documents for data analysis (in Resources)

## DISCOVER IDS

Organization  
Table of Data & Products  
Bibliography  
Newsletter  
IDS video channel  
Presentations at IDS meetings  
Technical documents  
Activity reports

## DISCOVER DORIS

The DORIS technique (AVISO+ website)  
The satellites  
The network  
The stations (sitelogs)  
Network on Google Earth

## DORIS SYSTEM MONITORING

Table of system events  
Visualize products time series  
POE statistics  
Network viewer



*(reminder)*

- Alternative menu on the home page

Focus on the page « Technical documents »

---



Section content

List of the documentation

Outreach material

**Technical documents**

Articles ▶

IDS publications ▶

Presentations ▶

IDS documents ▶

FAQ

- The « technical documents » are the documents for the data analysis
- The page has been slightly reorganized (reduced number of categories)

## Documents for the data analysis

It's very likely that the FTP protocol is not supported by your web browser.  
**The alternative is to use a FTP client such as WinSCP, FileZilla, MobaXterm.**

**Note that most of the files available at <ftp://ftp.ids-doris.org/pub/ids/> can be seen at <https://ids-doris.org/documents/BC/> too.**


Here are gathered documents and input material useful for data and product users

Categories: [General](#) | [DORIS system](#) | [Space segment](#) | [Ground segment](#) | [Observations](#) | [Products](#) | [Analysis: models](#)

### General

- See [IDS data structure and formats](#) for File naming conventions, Data Centers structure, Formats
- See [Outreach material](#) for description of the [DORIS](#) system, leaflets, videos, newsletters
- See [Overview of the documentation](#) for all links to the pages where the documentation provided by the [IDS](#) is stored.















### The DORIS system

- [DORIS system definition](#) 
- [DORIS system events](#): satellites, instruments, satellite control center, [SSALTO](#) (control and data processing center), ...




## Space segment

- The DORIS constellation: [COSPAR numbers, Launch and Orbital information](#)
- [Spacecraft ID correspondence table for orbit exchange file](#) (SP3c code, NORAD number...)

### Technical documents










- Modelling of the DORIS instruments (description of measurement types; ground, propagation and onboard instrument models):
  - 1G (Spot-2, -3, -4, Topex) and 2G (Envisat) 
  - 2GM (Spot-5, Jason-1) 
- Macromodels: DORIS satellites models implemented in POE processing 
- DORIS USO sensitivity to radiations 
- Cryosat-2 precise orbit context 
- Cryosat-2 characteristics for DORIS calibration and POD processing 
- HY-2A input data for Precise Orbit Determination 
- HY-2C input data for Precise Orbit Determination 
- Jason-1 postlaunch satellite characteristics for POD activities
- Jason-2 satellite geometry 
- Jason-3 characteristics for POD activities 
- Saral characteristics for DORIS calibration plan and POD processing 
- Sentinel-6A POD context 
- Swot characteristics for POD processing 
- Attitude laws of Swot and Sentinel-6 

### Data files

- Attitude:
  - Envisat (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/en1att.txt>)
  - Jason-1 (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/ja1att.txt>)
  - Jason-2 (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/ja2att.txt>)
  - Jason-3 (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/ja3att.txt>)
  - Sentinel-6A (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/s6aatt.txt>)
  - Swot (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/swoatt.txt>)
  - Topex (alt.: <ftp://ftp.ids-doris.org/pub/ids/satellites/topatt.txt>)
- Quaternions:
  - Cryosat-2
    - TU Delft : <ftp://dutlru2.lr.tudelft.nl/pub/ejo/cryosat2/quaternion/>; [description](#) 
    - ESA: see [here](#) how to get access or contact [IDS Central Bureau](#); documentation: [algorithm description](#) , [product format specifications](#) 
  - Jason-1 (CDDIS, IGN: <ftp://doris.ign.fr/pub/doris/ancillary/quaternions/ja1>)
  - Jason-2 (CDDIS, IGN: <ftp://doris.ign.fr/pub/doris/ancillary/quaternions/ja2>)

- clickable links are only https links
- ftp links are written and not clickable

## Ground segment

- Modelling of the ground beacons and ground antennas 
- Geometry and types of ground antenna 
  - Examples of the two types of antennas: Galapagos (Alcatel), Santa Cruz (Starec)
- DORIS site standard configurations 
- System requirements for management of the DORIS station network 
- Station management
- Interface specification between the DORIS network beacons and the onboard instrument (extract) 
- About DORIS stations equipment and impact on the frequency 
- Radio-frequency characteristics of the DORIS beacon 
- Frequency shift mode of the 3rd and 4th generation beacons 
- Recommendations on the phase laws implementation for types B and C 
- Antenna phase laws in antex format
  - see [readme](#)
  - for [Alcatel](#) ground antenna
  - for Starec ground antenna, [types B and C](#)

### Characteristics of the DORIS sites

- Site logs
- SINEX master file : stations IDs (codes, DOMES), antenna type, eccentricity
- File of the station frequency shifts
- List of stations with external time and frequency references

### Ties

- DORIS internal ties: vectors between different antennas on the same site
- DORIS ties with other IERS techniques: vectors from DORIS to co-located GNSS, SLR or VLBI since 1988.

### Station events








- See the [Table of the system events](#) for:
  - Chronology of the main events that occurred on the DORIS station network (new sites, new antennas, removed sites, failures...) with information on data gaps, invalidated data...
  - List of the Earthquakes with magnitude larger than 6 in the vicinity of DORIS sites (less than 500 km) - based on [USGS Earthquake notifications](#)

### More information


○ information on stations has been reorganized

# Observations

## Technical documents

- [About DORIS/RINEX format](#)
- Description of [CNES/SOD POE processing](#)
- Description of the [CNES/SOD preprocessing](#)  for the DORIS data export formats (June 2002).
- Detailed standards of the successive [CNES/SOD POD configurations](#) defined for the Geophysical Data Records (GDRs) altimetry products and applied for the DORIS satellites :
  - [GDR-B](#) (2005) 
  - [GDR-C](#) (2008) 
  - [GDR-D](#) (2012) 
  - [GDR-E](#) (2015) (also named POE-E) 
  - [POE-F](#) (2018) 
  - [POE-G](#) (2025) 

## DORIS data export formats

- DORIS 1b (preprocessed data)
  - [DORIS 1.0](#) (before January 2002),
  - [DORIS 2.1](#)
  - [DORIS 2.2](#) (since June 2008)
- [RINEX/DORIS](#) (raw data) 

## List of DORIS1b files available for satellite (correspondence table "cycle or arc" and "start date - end date")

- [Cryosat-2](#) (mission in operation)
- [Envisat](#)
- [HY-2A](#)
- [Jason-1](#)
- [Jason-2](#)
- [Saral](#) (mission in operation)
- [Spot2](#)
- [Spot3](#)
- [Spot4](#)
- [Spot5](#)
- [Topex](#)

○ doris1b file lists generated by CDDIS have been added. They provide the start and end dates of each arc/cycle

New URLs but v2 links  
ensured via redirections

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The list (.htaccess) can be updated at any time if needed.

(extract)

From v2 pages ...

... to v3 pages

Redirect permanent </ids/data-products/data-structure-and-formats.html> <https://ids-doris.org/data-products/data-structure-and-formats.html>  
Redirect permanent </ids/data-products/information-data-center-organization.html> <https://ids-doris.org/data-products/information-data-center-organization.html>  
Redirect permanent </ids/data-products/tables-of-data-products.html> <https://ids-doris.org/data-products/tables-of-data-products.html>  
[...]  
Redirect permanent </analysis-coordination/combination/dpod.html> <https://ids-doris.org/user-corner/combination/dpod.html>  
Redirect permanent </doris-system/system-monitoring/table-of-all-events.html> <https://ids-doris.org/user-corner/table-of-all-events.html>  
Redirect permanent </ids/reports-mails/governing-board/ids-activity-report-2023.html> <https://ids-doris.org/resources/ids-publications/activity-reports/ids-activity-report-2023.html>  
Redirect permanent </ids/reports-mails/governing-board/ids-activity-report-2022.html> <https://ids-doris.org/resources/ids-publications/activity-reports/ids-activity-report-2022.html>  
Redirect permanent </ids/reports-mails/governing-board/ids-activity-report-2021.html> <https://ids-doris.org/resources/ids-publications/activity-reports/ids-activity-report-2021.html>  
Redirect permanent </analysis-coordination/combination/contributions-to-itrf/itrf2020.html> <https://ids-doris.org/user-corner/combination/contributions-to-itrf/contribution-to-itrf2020.html>  
[...]  
Redirect permanent </analysis-coordination/documents-related-to-data-analysis.html> <https://ids-doris.org/resources/technical-documents.html>  
[...]  
Redirect permanent </ids/reports-mails/meeting-presentations/ids-workshop-2022.html> <https://ids-doris.org/ids/meetings/ids-meetings.html>  
Redirect permanent </ids/reports-mails/meeting-presentations/ids-awg-10-2013.html> <https://ids-doris.org/ids/meetings/ids-meetings.html>  
[...]  
Redirect permanent </doris-system/satellites.html> <https://ids-doris.org/missions-system/missions.html>  
[...]  
Redirect permanent </doris-system/tracking-network/maps.html> <https://ids-doris.org/network-stations/maps.html>  
[...]  
Redirect permanent </doris-system/tracking-network/site-logs.html> <https://ids-doris.org/network-stations/sites.html>  
[...]  
Redirect permanent </ids/reports-mails/doris-bibliography/citation.html> <https://ids-doris.org/resources/articles/citation.html>  
[...]  
Redirect permanent </ids/reports-mails/doris-bibliography/peer-reviewed-journals.html> <https://ids-doris.org/resources/articles/doris-bibliography.html>  
[...]

# Next steps

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## Next additions:

- « the DORIS technique »: moving the page from Aviso and rewriting
- organization of the landing pages (\*): Activity Reports, IDS16, ...
  - catalog of products? library of documents?
- associate the EGVs to products and applications
- improve access to sitelogs

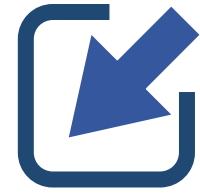
## To do:

- Complete Personal Data Protection Policy
- Complete Legal Notice
- Update URLs for assigned DOI

\* *DOI assignation to pursue*



If you have any questions,  
comments or suggestions,  
please contact



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