

DORIS

DAYS
2021

November 16, 17 and 18

Session 3 Introduction

Jérôme Saunier (IGN)

November 18

Session 3 – Presentation 1



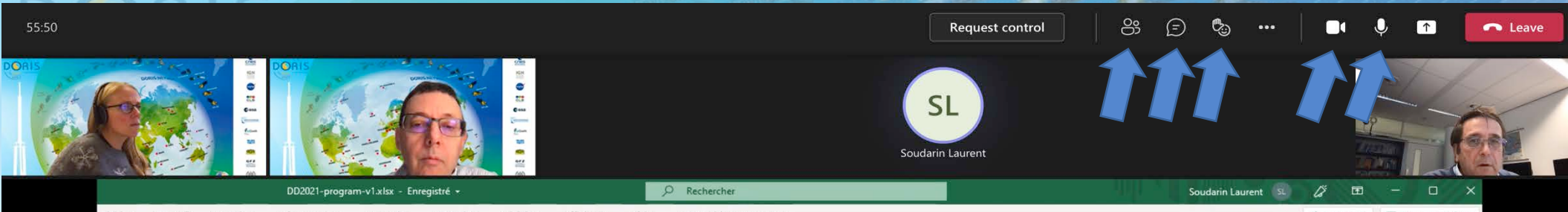
DORIS NETWORK



Practical information

- 3 sessions between 13:00 – 15:00 **UTC**
- This meeting is being recorded. By joining you are giving consent for this meeting to be recorded.
- Content: presentations, pre-recorded interviews and videos
- Approximately 200 registered for this event
- Please turn your **microphones and cameras off**
- **Use the chat of MS Teams** to ask questions or make comments!
- The moderator will select 1 or 2 questions if time allows
- Anyway, we will answer all your questions through the forum:
- **Forum** to discuss the presented material:
<https://dorisdays2021.aviso.altimetry.fr/>

How to use MS Teams as an attendee



DD2021-program-v1.xlsx - Enregistré

Rechercher

Soudarin Laurent

	A	B	C	D	E	F	G	H	I	J
		Duration	Topic	Speaker	#session	#pres.	files in			
7		01:30:00	Session 1 (Introduction to DORIS and the International DORIS Service)	chair: Ernst Schrama (Delft University of Technology, Netherlands; Associate Professor, IAGG for IDS)	1	1	https://ids-doris.org/documents/dorisdays2021/			
8		00:10:00	Introduction to DORIS for POD & Geodesy	Laurent Soudarin (CLS, France; Project Engineer, Director, IDS Central Bureau)	1	1				
9		00:15:00	DORIS System Technical Overview	Jean-Michel Lemoine (CNES, France; Geodesy Engineer, CLS/IDS Analysis Center)	1	2	DD2021-S2P1-Lemoine-SystemOverview-v0.pptx			
10		00:05:00	DORIS the space surveyor	(20th anniversary video)	1	3	DD2021-S3-CNE-DORIS-SpaceSurveyor_video.mp4			
11		00:05:00	Focus on some specific features of the DORIS system (pre-recorded interview)	Christian Jayles (CNES, France; DORIS System Engineer)	1	3	DD2021-S3-CNE-DORIS-SpaceSurveyor_video.pptx			
12	November 16	00:10:00	Overview of Ground Network	Jérôme Saunier (IGN, France; DORIS Network Manager, IDS Network representative)	1	5	DD2021-S4-Cla-Jayles-DORIS-SpaceSurveyor_video.pptx			
13	13h-15h UTC	00:05:00	Network virtual tour	Laurent Soudarin	1	6	DD2021-S4-Cla-Jayles-DORIS-SpaceSurveyor_video.pptx			
14		00:10:00	Data flow description	Laurent Soudarin	1	7	DD2021-S4-Cla-Jayles-DORIS-SpaceSurveyor_video.pptx			
15		00:05:00	Summary of IDS online resources	Laurent Soudarin	1	8	DD2021-S4-Cla-Jayles-DORIS-SpaceSurveyor_video.pptx			
16		00:20:00	Organization of DORIS data analysis	Petr Stepanek (Geodetic Observatory Pecny, Czech Republic; Geodesy Engineer, IDS Analysis Coordination)	1	9	DD2021-S1P9-PStepanek-DataAnalysis-v0.pptx			
17		00:05:00	Web plotools demonstration	Laurent Soudarin	1	10				
18		Q/A								
19		01:40:00	Session 2 (Overview of Products Derived from DORIS)	chair: Pascale Ferrage (CNES, France; IDS coordinator; IDS System Representative)	2	1	DD2021-S2P1-Fleminet-ProductsDORIS-v01.pptx			
20		00:20:00	Overview of Products for DORIS	Frank Lemoine (NASA/GSFC; Project Scientist, IDS Governing Board chairperson)	2	1				
21		00:20:00	Overview of Software Processing for DORIS	Ernst Schrama	2	2	DD2021-S2P2-Schrama-GMoraux-SoftwareProcessing-v1.pptx			
22		00:15:00	System (POD & Positioning & EOP) Performance	Frank Lemoine	2	3				
23		00:05:00	video sentinel-6		2	3				
24	November 17	00:15:00	Why use DORIS on satellite mission?	Cécile Manfredi (CNES, France; DORIS Project Manager)	2	4	DD2021-S2P4-CManfredi-WhyUseDORISonSatelliteMission-v0.pptx			
25	13h-15h UTC	00:10:00	Application of DORIS for the geocenter (pre-recorded interview)	Alexandre Couhert (CNES, France; POD Team Leader)	2	5	DD2021-S2P5-ACouhert-Geocenter_text.pdf DD2021-S2P5-ACouhert-Geocenter_video.mp4 DD2021-S2P5-ACouhert-Geocenter_video.pptx			
26		00:15:00	How to become involved in the DORIS community?	Frank Lemoine	2	6	DD2021-S2P6-Fleminet-KLeBall-InvolvingDORIScommunity_v4.pptx			
27		Q/A								
28		01:45:00	Session 3 (Description DORIS Station Installation and Operations Requirements)	chair: Jérôme Saunier (IGN, France; DORIS Network Manager, IDS Network Representative)	3	1	DD2021-S3P1-JSaunier-Introduction.pdf			
29		00:05:00	Introduction	Jérôme Saunier	3	1	DD2021-S3P2-JSaunier-LaReunionSiteTour_video.mp4			
30		00:05:00	Site tour at La Réunion DORIS station	Jérôme Saunier	3	2	DD2021-S3P2-JSaunier-LaReunionSiteTour_video.pptx			
31		00:10:00	Network requirements	Jérôme Saunier	3	3	DD2021-S3P3-JSaunier-NetworkRequirements.pdf			
32		00:05:00	Optimizing DORIS station distribution (pre-recorded)	Christian Jayles	3	4	DD2021-S3P4-CJayles-NetworkOptimisation_text.pdf DD2021-S3P4-CJayles-NetworkOptimisation_video.mp4 DD2021-S3P4-CJayles-NetworkOptimisation_video.pptx			
33	November 18	00:10:00	Ground station components	Jérôme Saunier	3	5	DD2021-S3P5-JSaunier-StationsComponents.pdf			
34	13h-15h UTC	00:05:00	Fourth Generation Beacon Description	Cécile Manfredi	3	6	DD2021-S3P6-CManfredi-B4G-v0.pptx			
35		00:10:00	Antenna environment	Jérôme Saunier	3	7	DD2021-S3P7-JSaunier-AntennaEnvironnement.pdf			
36		00:10:00	Impact of local antenna environment on data quality	Philippe Yaya (CLS, France; Geodesy engineer)	3	8	DD2021-S3P8-PYaya-StationEnvironmentImpact-v0.pptx			
37		00:15:00	Geodetic requirements	Jérôme Saunier	3	9	DD2021-S3P9-JSaunier-GeodeticRequirements.pdf			
38		00:05:00	Local tie surveys at DORIS sites (pre-recorded)	Damien Pesce (IGN, France; Surveyor)	3	10	DD2021-S3P10-DPesce-LocalTieSurveys.mp4			
39		00:10:00	Colocation and compatibility with VLBI (pre-recorded)	Thomas Klügel (BKG, Germany; Geoscientist)	3	11	DD2021-S3P11-TKlugel-CompatibilityVLBIColocation.ppt			
40		00:10:00	Maintenance requirements	Jérôme Saunier	3	12	DD2021-S3P12-JSaunier-MaintenanceRequirements.pdf			
41		00:05:00	Tour round the network stations (slide show)		3	13				
42		Q/A								

Attendee list
Chat window
Raise your hand etc
Camera on/off
Microphone on/off

Session 3: Description DORIS Station Installation and Operations Requirements

- **5 parts:**

- I. Network requirements
- II. Ground station components
- III. Antenna environment
- IV. Geodetic requirements
- V. Maintenance requirements

- **At the end of each part, focus on a particular topic with other speakers**

- **Reference Document:** *System Requirements for Management of the DORIS Network*

- Available here: <https://ids-doris.org/doris-system/tracking-network/doris-station.html>

Objectives of the session

- Make you understand the network issues and constraints
 - Describe the operation of the stations
 - Help you to better interpret the DORIS data: link with the stations events...
 - Give an overall picture of the current network and its possible development
 - Find topics of scientific interest related to the network
 - Provide information to potential host agencies
 - See in detail restrictions and station installation requirements
 - Call for interest in hosting an IDS station (in the coming months)
- ⇒ be ready! subscribe to DORISMail distribution list:

<https://ids-doris.org/ids/reports-mails/emails.html>

Programme

UTC Time	N.	Topic	Speaker
14:00	1	Introduction	Jérôme Saunier
14:05	2	Site Tour at La Réunion DORIS station	Jérôme Saunier (video)
14:10	3	Network Requirements	Jérôme Saunier
14:20	4	Optimizing DORIS stations Distribution	Christian Jayles (video)
14:25	5	Ground Station Components	Jérôme Saunier
14:35	6	4 th Generation Beacon Description	Cécile Manfredi
14:40	7	Antenna Environment	Jérôme Saunier
14:50	8	Impact of local antenna environment on data quality	Philippe Yaya
15:00	9	Geodetic Requirements	Jérôme Saunier
15:15	10	Local tie surveys at DORIS sites	Damien Pesce (video)
15:20	11	Compatibility with VLBI and Co-location	Thomas Klügel (pre-recorded)
15:40	12	Maintenance Requirements	Jérôme Saunier
15:50	13	Tour round the Network Stations	Slideshow