

## AGENDA

### PV 2015 Conference

3-5 November 2015  
Welcome Hotel, Darmstadt, Germany

#### MONDAY, 2 November 2015

19h00 - 20h00      **Registration and collection of PPT presentations**  
(Welcome Hotel, Lobby)

#### TUESDAY, 3 November 2015

08h00 - 09h00      **Registration and collection of PPT presentations (Lobby)**

#### WELCOME AND CONFERENCE OPENING

09h00 - 09h10      **Welcome addresses by**  
**Livio Mastroddi**                              **Kenneth Holmlund**  
Director of Operations and              Head of Remote Sensing and  
Services to Users Department          Products Division  
EUMETSAT                                      EUMETSAT

09h10 - 09h20      **Logistic information**  
Harald Rothfuss  
Data Centre Operations Manager  
EUMETSAT

#### SESSION I

#### Data Stewardship approaches to ensure long-term data and knowledge preservation

*Chair: Harald Rothfuss (EUMETSAT)*

09h20 - 09h40      **VITO EO data archive evolutions and integration in PADUA**  
Paepen, Martine  
VITO

09h40 - 10h00      **NASA's Earth science data stewardship activities**  
Ramapriyan, Hampapuram  
Science Systems and Applications, Inc. & NASA Goddard Space Flight Center

- 10h00 - 10h20**      **Environmental data and services from NOAA's national centers for environmental information**  
Ritchey, Nancy  
NOAA/NESDIS/NCEI
- 10h20 – 10h40**      **Fengyun-3 Series meteorological satellite data archiving and service system**  
Xu, Zhe  
CMA/NSMC National Satellite Meteorological Center
- 10h40 – 11h10**      **COFFEE BREAK (Foyer)**  
  
***Chair: Mirko Albani (ESA)***
- 11h10 - 11h30**      **From long-term preservation to long-term valorization of archives. A semiotic view**  
Galarreta, Daniel  
CNES/CST Centre Spatial de Toulouse
- 11h30 - 11h50**      **Application of OAIS to the preservation of linked data**  
Giaretta, David  
Giaretta Associates
- 11h50 - 12h10**      **The international planetary data alliance (IPDA): Overview of the activities**  
Sarkissian, Alain  
CNRS/IPSL Institut Pierre Simon Laplace
- 12h10 - 13h00**      **POSTER Presentations 1**  
  
***Chairs: Christophe Arviset (ESA)/ Mirko Albani (ESA)***
- |                                    |                     |
|------------------------------------|---------------------|
| 5 posters on “Data Stewardship”    | (9, 10, 21, 45, 58) |
| 4 posters on “Data Preservation”   | (30, 42, 75, 78)    |
| 3 posters on “Metadata, formats”   | (11, 31, 52)        |
| 1 poster on “Adding Value to Data” | (60)                |
- 3 minutes per poster**  
**For details please see programme poster overview on page 9**
- 13h00 - 14h00**      **LUNCH BREAK (Restaurant “Herrngarten”)**  
  
***Chair: Thomas Stein (Washington University in St. Louis)***
- 14h00 - 14h20**      **Experience in preservation of legacy data in astronomy**  
Le Sidaner, Pierre  
OBSPM/Observatoire de Paris
- 14h20 - 14h40**      **The challenge of knowledge preservation: The case of the ATV control centre**  
Steinkopf, Mike (ESA)  
Presented by: Cano Argamasilla, Raul (ESA)

**14h40 - 15h00**      **Integrating digital preservation into experimental workflows for space science**  
Waddington, Simon  
King's College London

**Session III:**  
**Metadata, formats, standards and interoperability**

**15h00 - 15h20**      **Expected added value through publishing EO metadata as linked open data:  
Example EUMETSAT metadata**  
Voges, Uwe  
con terra GmbH

**15h20 - 15h40**      **Evolving metadata in NASA Earth science data systems with the Common  
Metadata Repository (CMR) and Unified Metadata Model (UMM)**  
Mitchell, Andrew (NASA Goddard Space Flight Center)  
Presented by: Pilone, Daniel (NASA / Element 84)

**15h40 - 16h00**      **From discovery to download: The EOWEB® GeoPortal (EGP)**  
Rotzoll, Henry; Presented by: Dietrich, Daniele  
DLR-DFD Deutsches Zentrum für Luft- und Raumfahrt/  
Deutsches Fernerkundungsdatenzentrum

**16h00 - 16h30**      **COFFEE BREAK (Foyer )**

***Chair: Nancy Ritchey (NOAA)***

**16h30 - 16h50**      **EUDAT B2FIND A pan-European and cross-discipline metadata portal**  
Widmann, Heinrich  
DKRZ Deutsches Klimarechenzentrum

**16h50 – 17h10**      **PDS4: The next generation planetary data system in the big data era**  
Crichton, Daniel (JPL Jet Propulsion Laboratory)  
Presented by: Law, Emily (JPL Jet Propulsion Laboratory)

**17h10 - 17h30**      **The PDS4 information model design principles:- How well did they work?**  
Hughes, John S  
JPL Jet Propulsion Laboratory

**17h30 - 20h00**      **ICEBREAKER / POSTER VIEWING SESSION (Foyer)**

08h00 - 09h00 **Registration and collection of PPT presentations (Lobby)**

**SESSION II**

**Adding value to data and facilitation of data use**

*Chair: Hannes Thiemann (DKRZ)*

09h00 - 09h20 **The integrated climate data center at the Center for Earth System Research and Sustainability (CEN)**

Sadikni, Remon  
Universität Hamburg

09h20 - 09h40 **Data mining and knowledge discovery for TerraSAR-X payload ground segment**

Espinoza Molina, Daniela  
DLR-IMF Deutsches Zentrum für Luft- und Raumfahrt/  
Institut für Methodik der Fernerkundung

09h40 - 10h00 **Big data cubes at your fingertips**

Baumann, Peter  
Jacobs University

10h00 - 10h20 **Standards and best practices used by NOAA's Climate Data Record (CDR) program**

Wunder, Daniel  
NOAA/NESDIS/NCDC

10h20 – 10h40 **Adding values to petabytes: In-storage processing, continuous diffusion and usage-driven optimisation for the MWA and GLEAM archive**

Wu, Chen  
The University of Western Australia  
Presented by: Wicenec, Andreas (ICRAR)

10h40 – 11h10 **COFFEE BREAK (Foyer)**

*Chair: Aurelie Bellucci (CNES)*

11h10 - 11h30 **Norwegian satellite Earth Observation database for marine and polar research**

Godøy, Øystein  
Norwegian Meteorological Institute

11h30 - 11h50 **EUMETSAT data centre archive operations and services**

Miu, Peter  
EUMETSAT

11h50 - 12h10 **Towards an interoperable data archive**

van Wezel, Jo  
Karlsruher Institut für Technologie

- 12h10 - 12h50**      **POSTER Presentations 2**
- Chairs: Michael Schick (EUMETSAT)/ Harald Rothfuss (EUMETSAT)***
- 11 posters on "Adding Value to data and facilitation of data use"  
(6, 15, 19, 35, 39, 46, 48, 53, 50, 62, 67)  
**3 minutes per Poster**  
**For details please see programme poster overview on page 10**
- 12h50 - 13h50**      **LUNCH BREAK (Restaurant "Herrngarten")**
- 13h50 - 15h00**      **POSTER VIEWING SESSION (Foyer)**
- Chair: Jamie Shiers (CERN)***
- 15h00 - 15h20**      **Long-term preservation of data analysis software with operating system-level virtualization**  
Eichhorn, Helge  
Technische Universität Darmstadt
- 15h20 - 15h40**      **The MTG MDAF processing functions and IDPF: The way from ground station to data archive**  
Mohler-Fischer, Maren  
CGI Deutschland Ltd. & Co. KG
- 15h40 - 16h00**      **Ensuring data is planned from the start to be re-usable and preservation ready**  
Giaretta, David  
Giaretta Associates
- 16h00 - 16h30**      **COFFEE BREAK (Foyer)**
- Chair: Christophe Arviset (ESA)***
- 16h30 - 16h50**      **Gaia archive at ESAC: Handling big astronomical catalogues and extended services**  
Salgado, Jesus (ESA/ESAC)  
Presented by: Gutierrez, Raul (ESA/ESAC)
- 16h50 - 17h10**      **Enriching the NASA curiosity rover data archive with context mosaics**  
Stein, Tom  
Washington University in St. Louis
- 17h10 – 17h30**      **REGARDS : The new CNES generic system to access and archive space data**  
Bellucci, Aurélie  
CNES Centre National d'Etudes Spatiales

- 17h30 - 17h50**      **Virtual observatory tools and amateur radio observations supporting scientific analysis of Jupiter radio emissions**  
Cecconi, Baptiste  
Observatoire de Paris
- 17h50 - 18h10**      **ESA Astronomy Multimission Interface (MMI) at ESAC: Implementation and services**  
Giordano, Fabrizio  
ESA/ESAC
- 18:30**                Bus departure in front of Welcome Hotel and transfer to EUMETSAT
- 19h00 - 22h00**      **CONFERENCE DINNER (EUMETSAT)**
- 22:00**                Bus departure from the EUMETSAT gatehouse and transfer to Welcome Hotel

### SESSION III

#### Metadata, formats, standards and interoperability

*Chair: Eberhard Mikusch (DLR)*

- 09h00 - 09h20**      **Best practices for persistent identifiers in Earth Observation archives**  
Christensen, Tyler  
DLR-DFD Deutsches Zentrum für Luft- und Raumfahrt/  
Deutsches Fernerkundungsdatenzentrum
- 09h20 - 09h40**      **Recent progresses of the LOTAR international project to support long term archiving and retrieval of model based design information for the Aerospace and Defence industries**  
Delaunay, Jean-Yves  
Airbus Operations

### SESSION IV

#### Data preservation lessons learnt and future prospects

- 09h40 - 10h00**      **Long-term data preservation in high energy physics: Status, lessons learned and 2020 outlook**  
Shiers, Jamie  
CERN
- 10h00 - 10h20**      **Lessons learned from implementing a research data management system for an interdisciplinary, long-term research project**  
Curdt, Constanze  
Institute of Geography/ Regional Computing Centre (RRZK),  
University of Cologne
- 10h20 - 10h40**      **Certification of digital archives: State of the art**  
Garrett, John  
Garrett Software
- 10h40 - 11h00**      **COFFEE BREAK (Foyer)**
- Chair: David Giaretta (APA)*
- 11h00 - 11h20**      **EUMETSAT road towards true interoperability: Lessons learned from the WMO information system integration**  
Aubert, Guillaume  
EUMETSAT
- 11h20 - 11h40**      **Preserving the long tail in a big data world: Frameworks for e-infrastructures in research libraries**  
Kraft, Angelina  
German National Library of Science and Technology TIB

- 11h40 - 12h00**      **The mission to preserve long-term**  
Svanetti, Roberta; Ammenti, Luciano  
Dedagroup ICT Network; Biblioteca Apostolica Vaticana
- 12h00 - 13h00**      **CLOSE-OUT**
- 13h00 - 14h00**      **LUNCH BREAK (Restaurant “Herrngarten”)**



## Programme: Poster Overview

### POSTER Presentations 1 (Tuesday, 03 Nov. 2015)

#	Title	Name/ Affiliation
9	<b>EO data configuration management: Parallel development of like systems by independent authorities</b>	Paciucci, Alessandra Serco
10	<b>CERN\'s 100PB scientific data archive and its bit preservation challenges</b>	Cancio, German CERN - European Organization for Nuclear Research
21	<b>The Archive of the EUMETSAT Satellite Application Facility on Climate Monitoring</b>	Fuchs, Petra DWD Deutscher Wetterdienst
45	<b>PERICLES: a knowledge management programme applied to SOLAR data from COLUMBUS, application to long term climate forcing data</b>	Muller, Christian B.USOC and the PERICLES consortium
58	<b>EUMETSAT long term data preservation roadmap</b>	Berry, David EUMETSAT
30	<b>Tossing out the baby with the bath-water: What our science stands to lose</b>	Griffin, Elizabeth Dominion Astrophysical Observatory
42	<b>Analysis and design of a portal for ionospheric data</b>	Missling, Klaus-Dieter DLR-DFD Deutsches Zentrum für Luft- und Raumfahrt/ Deutsches Fernerkundungsdatenzentrum
75	<b>The legacy data archives: Apollo and Viking seismic experiments</b>	Yamamoto, Yukio JAXA Japan Aerospace Exploration Agency
78	<b>One-click preservation of data analysis software</b>	Dias, Luis EDISOFT
11	<b>Standardization of observatories, instruments and reference frames for planetary sciences</b>	Cecconi, Baptiste Observatoire de Paris
31	<b>The Planetary Data System geometry metadata model</b>	Guinness, Edward Washington University in St Louis
52	<b>Lessons learned from reexamining collection-level metadata records</b>	Ritchey, Nancy NOAA/NESDIS/NCEI
60	<b>The D-SDA statistics system: Reporting and user access at DLR-EOC</b>	Senft, Johanna DLR-DFD Deutsches Zentrum für Luft- und Raumfahrt/ Deutsches Fernerkundungsdatenzentrum

## Programme: Poster Overview

### POSTER Presentations 2 (Wednesday, 04 Nov. 2015)

#	Title	Name
6	<b>Sentinel-3 SLSTR and SYN Land PAC: Disk-based archive: best solution for further use and exploitation?</b>	Barrot, Gilbert ACRI-ST
15	<b>SOLAR space science portal</b>	De Weerd, David Space Applications Services
19	<b>VESPA: Developing the Planetary Science Virtual Observatory in H2020</b>	Erard, Stéphane Observatoire de Paris
35	<b>SERAD data referencing and archive</b>	Larroque, Martine CNES Centre National d'Etudes Spatiales
39	<b>Extending the value chain of knowledge assets and interoperability with future</b>	Lunghi, Maurizio DEDAGROUP Spa
46	<b>EO data products consolidation approach: Methodology used in X-PRreSS consortium to generate a consolidated master dataset</b>	Paciucci, Alessandra Serco
48	<b>Reconciling Climate Data Record generation with an operational multi-mission satellite Archive at EUMETSAT</b>	Petraityte, Kristina EUMETSAT
53	<b>Reporting on archive performance and user access in the EUMETSAT data centre</b>	Rodríguez-Guerra, Joaquín EUMETSAT
50	<b>High-performance online data access for collaborative infrastructures</b>	Reck, Christoph DLR Deutsches Zentrum für Luft- und Raumfahrt
62	<b>The HD(CP)<sup>2</sup> data warehouse: Managed services for a meteorological data archive</b>	Stamnas, Erasmia Universität Köln
67	<b>An introduction of DARTS web applications</b>	Tonooka, Hideaki JAXA Japan Aerospace Exploration Agency
76	<b>Facilitating the use of high-resolution EO data to support the development of mapping products for natural disasters</b>	FAUR, Daniela Politehnica University of Bucharest

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**3-5 November 2015  
Welcome Hotel, Darmstadt, Germany**

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