



Outline

- What is PV2023 ?
 - About PV2023, Statistics ...
 - Objectives
- Selected highlights
- Next event

PV 2023 CONFERENCE PV2023: Adding value (to) and preserving Scientific & Technical data

2-4 May 2023
CERN
Europe/Zurich timezone

Enter your search term

Overview
Session Schedule / Timetable
Contribution List
Videoconference
Key Dates
Objectives & Sessions
Registration info
Register for PV2023
EasyChair CFP
Onsite wifi access
CERN Map
CERN guided tours
Travel & Accom
Visas & letters of invitation
Organisation Committees
Code of Conduct
Privacy Notice
Previous PV conferences & proceedings
Contact
pv2023-loc@cern.ch

Organisation Committees

Conference Chairs

Conference Chair: Jamie Shiers - CERN
Conference Co-chair: Tony Hey - Chief Data Scientist STFC

Programme Organising Committee

- Christophe Ariset, ESA
- Eberhard Mikusch, DLR
- Jamie Shiers, ex-CERN
- Mirko Albani, ESA ESRIN
- Nancy Ritchey, NOAA
- Richard Moreno, CNES
- Tom Stein, NASA PDS
- Katrin Molch, DLR
- Dirk Duellmann, CERN
- Jenny Mitcham, DPC
- Natalie Harrower, DRI
- Gonzalo Mermo, PIC
- Federica Fogliini, CNR-ISMAR
- Phil Kerstow, NCEO
- Esther Conway, UKSA
- Paola Manoni, Vatican Apostolic Library (BAV)
- Maureen Pennock, British Library
- Harald Rothfuss, EUMETSAT

Local Organising Committee

- Dirk Duellmann
- Cath Noble
- Ulrich Schwickerath

[Help](#) | [Contact](#) | [Terms and conditions](#) | [URL Shortener](#) | [Privacy](#)

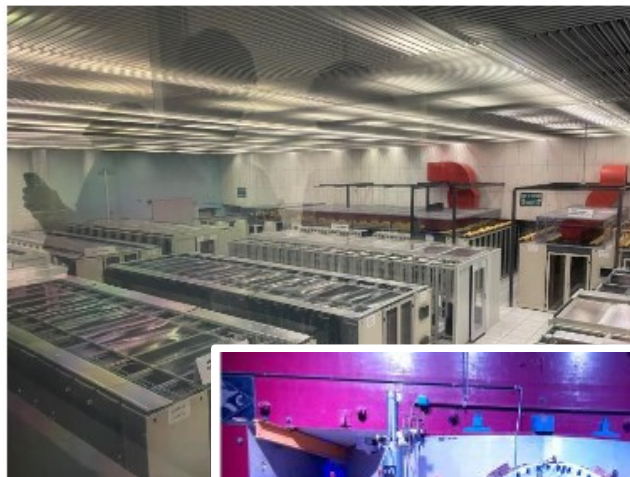
About PV2023

- Conference Chairs:
 - Jamie Shiers – CERN
 - Tony Hey – STFC
- Local organisation committee:
 - Dirk Düllmann
 - Catharine Noble
 - Ulrich Schwickerath



About PV2023

- Place: CERN
- Date: 2-4 May 2023
 - 2 half days and 1 full day
- Guided tours
 - Reserved at registration time
 - Data center visit point or
 - Synchrocyclotron



About PV2023

○ Opening Plenary (PV2023) ● Plenary ○ Posters minute madness

13:00	Conference Venue and Registration 500/1-001 - Main Auditorium, CERN 13:00 - 13:30
	Welcome <i>Jamie Shiers</i> 500/1-001 - Main Auditorium, CERN 13:30 - 13:40
	CERN: Introduction, mandate and activities <i>Joachim Josef Mnich</i> 500/1-001 - Main Auditorium, CERN 13:40 - 14:05
14:00	Logistic Information <i>Dirk Duellmann</i> 500/1-001 - Main Auditorium, CERN 14:05 - 14:15
	[remote] Integral Archive: a new brand of science-oriented Science Archives at ESAC Science Data Centre <i>Ms Monica Fernandez Barreiro</i>
15:00	Operational strategies for a continuously growing public-cloud archive <i>Richard Hofmeister</i> 500/1-001 - Main Auditorium, CERN 14:50 - 15:10
	FAIR data and Net Zero: exploring the interactions <i>Gabin Kayumbi</i> 500/1-001 - Main Auditorium, CERN 15:10 - 15:30
	Coffee break / Poster Session 61/1-201 - Pas perdue - Not a meeting room -, CERN 15:30 - 16:00
16:00	Data Management in the petabyte era - PO.DAAC's journey to the cloud <i>Suresh Vannan</i> 500/1-001 - Main Auditorium, CERN 16:00 - 16:30
	[remote] AVHRR (Advanced Very High Resolution Radiometer) European Data Set Preservation and Valorization <i>Stefan Wunderle</i>
	Optimized Data Access from and to a Long-term Archive for the Processing of Time Series <i>Meinhard Wolfmüller</i> 500/1-001 - Main Auditorium, CERN 16:50 - 17:05
17:00	The Analyst's Notebook: Providing Context for Landed Operations and Adding Value to Mission Archives <i>Thomas Stein</i>
	[video] Enabling data discovery in big datasets <i>Pilar de Teodoro</i>

First and last day plenaries in the main auditorium



About PV2023

Second day parallel sessions

- Main auditorium
- Council chamber



< Tue 02/05 **Wed 03/05** Thu 04/05 All days >

Print PDF Full screen Detailed view Filter

Session legend

Parallel Session Plenary

09:00	CEOS Best Practices for Long Term Data Preservation , M Jolanda Maggio	Long-Term Data Preservation for ESA Earth Observation Sabrina Pinori
	Ambitions and challenges of the Environmental Data Sen Emma Bee	Metadata for Reuse: What Does That Mean? Anne Raugh
	Current status of the Data and Analysis Preservation effo Maxim Potekhin	Further Professionalising Data Stewardship: engaging w Graham Parton
10:00	The Challenge of Digital Preservation at CERN Antonio Vivace	Reprocessing and Quality Control of Heritage Third Part Samantha Lavender
	Long-term preservation solution as a Swiss national service Pierre-Yves Burgi	Vespa portal for access to heterogeneous data Pierre le Sidaner
11:00	Coffee break / Poster Session 61/1-201 - Pas perdue - Not a meeting room -, CERN 10:50 - 11:20	
	Integrated collection, storage and archiving of research d Joakim Philipson	Utilizing Monitoring and Reporting Techniques in data pr Johanna Sentt
	Scalable, efficient and environmentally sustainable Long Matthew Addis	Supporting Infrastructure Research Communities on DA Kyle Stevenson
12:00	Generation of Long Time Data Series for ESA heritage TP Roberto Biasutti	EPN-TAP: the VO standard to share and access Solar Sy Stéphane Erard
	[remote] Big SAR Analysis Ready Data: Realizing the ESA DLR Sentinel-1 Normalised Radar Backscatter Product John Truckenbrodt	Unlock the Power of Earth Observation Data with Terrascope EOplaza Martine Paepen
13:00	Lunch break	

Some PV2023 statistics

- 100 registered participants on side
- 35 remote participants
- Participants from 12 countries
- 52 Oral presentations
- 24 Posters



PV2023 Participants/Organisations



Yale



PV conferences

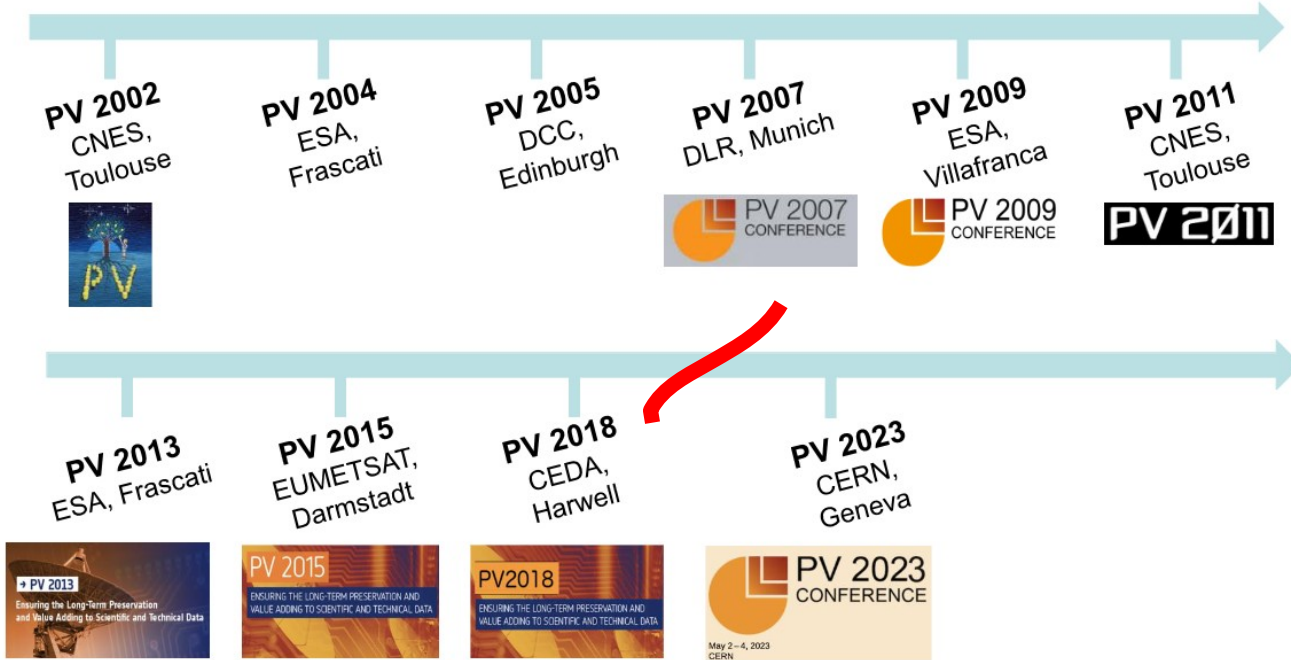
- 9 previous events since 2002
- Roughly every 2-3 years
 - Break between 2018-2023 due to Covid
- Contributions result in peer-reviewed publications
- For previous events, take a look at:



<http://www.alliancepermanentaccess.org/index.php/community/conferences/pv-conferences>

PV conferences

The PV conference series is about ensuring **long-term Preservation** and **Adding Value to Scientific and Technical Data**



What is PV2023?



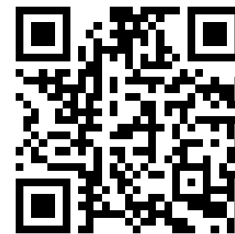
PV 2023
CONFERENCE

PV2023: Adding value (to) and preserving
Scientific & Technical data

2–4 May 2023
CERN
Europe/Zurich timezone



<https://indico.cern.ch/event/1188041/>



What is PV2023?

3 main themes:

- Ensuring long-term data and knowledge preservation (the "P" in PV)
- Adding value to data and facilitation of data use (the "V" in PV)
- Challenges of incorporating complex policy, technology, standards and principles in Open Data Environments

What is PV2023?



Objectives

The primary objectives continue to be the sharing of experiences and emerging issues regarding the long-term preservation, re-use and sharing of scientific (and associated) data.

The update of the OAIS reference model (ISO 14721), the various Certification methodologies, requirements from Funding Agencies (FAs) for (FAIR) Data Management Plans, together with technological changes / challenges are all relevant discussion points.

Of particular interest are experience and position papers from Large Scale Multi-National projects but all papers / posters that address the above issues and / or the traditional topics of PV are welcome.

Given that for many disciplines, e.g. those that make "observations" (by definition unique and un-repeatable), the very (very) long term is of interest. In addition, the possibility of finding synergies, even across seemingly disparate disciplines, and which could eventually result in significant cost savings, is clearly of importance.

What is PV2023?



Objectives

The primary objectives continue to be the sharing of experiences and emerging issues regarding the long-term preservation, re-use and sharing of scientific (and associated) data.

The update of the OAIS reference model (ISO 14721), the various Certification methodologies, requirements from Funding Agencies (FAs) for (FAIR) Data Management Plans, together with technological changes / challenges are all relevant discussion points.

Of particular interest are experience and position papers from Large Scale Multi-National projects but all papers / posters that address the above issues and / or the traditional topics of PV are welcome.

Given that for many disciplines, e.g. those that make "observations" (by definition unique and un-repeatable), the very (very) long term is of interest. In addition, the possibility of finding synergies, even across seemingly disparate disciplines, and which could eventually result in significant cost savings, is clearly of importance.

What is PV2023?



Objectives

The primary objectives continue to be the sharing of experiences and emerging issues regarding the long-term preservation, re-use and sharing of scientific (and associated) data.

The update of the OAIS reference model (ISO 14721), the various Certification methodologies, requirements from Funding Agencies (FAs) for (FAIR) Data Management Plans, together with technological changes / challenges are all relevant discussion points.

Of particular interest are experience and position papers from Large Scale Multi-National projects but all papers / posters that address the above issues and / or the traditional topics of PV are welcome.

Given that for many disciplines, e.g. those that make "observations" (by definition unique and un-repeatable), the very (very) long term is of interest. In addition, the possibility of finding synergies, even across seemingly disparate disciplines, and which could eventually result in significant cost savings, is clearly of importance.

OAIS = Open Archival Information System

FAIR principles

- Findable
- Accessible
- Interoperable
- Reproducible



<https://www.go-fair.org/fair-principles/>

What is PV2023?



Objectives

The primary objectives continue to be the sharing of experiences and emerging issues regarding the long-term preservation, re-use and sharing of scientific (and associated) data.

The update of the OAIS reference model (ISO 14721), the various Certification methodologies, requirements from Funding Agencies (FAs) for (FAIR) Data Management Plans, together with technological changes / challenges are all relevant discussion points.

Of particular interest are experience and position papers from Large Scale Multi-National projects but all papers / posters that address the above issues and / or the traditional topics of PV are welcome.

Given that for many disciplines, e.g. those that make "observations" (by definition unique and un-repeatable), the very (very) long term is of interest. In addition, the possibility of finding synergies, even across seemingly disparate disciplines, and which could eventually result in significant cost savings, is clearly of importance.

What is PV2023?

- Open to a fairly large range of possible topics and communities
 - Data preservation following best practices (FAIR, ISO standards, ...)
- Clear overlap with goals of data preservation in HEP
- Albeit different communities
 - With somewhat different issues
- Finding Synergies



(selected) Highlights



Addressing the challenges of research data management, reuse and collaboration: the case for CERN Analysis Preservation and FAIR data services

- CERN on the way to Open Science
- Products provided and used by HEP
- Focus on analysis preservation

S. Dallmeier-Tiessen


(selected) Highlights

Posters minute madness **Presentation**

- Speakers were contributors of Posters
- 1min time to present the highlights of their contribution
- Both on site and remote presentations



Posters minute madness Presentation

Jenny Mitcham, Dirk Duellme 

500/1-001 - Main Auditorium, CERN

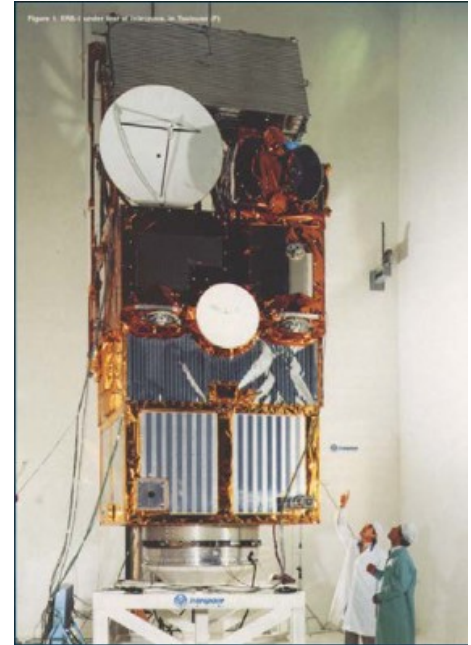
17:30 - 18:00

Networking Cocktail Event



Valorization and Curation of the ESA ERS Missions

- ERS1 (1991-2000) and ERS2 (1995-2011) satellite missions
- Recovery of recorded data from sites all over the world
 - On different tape media
 - Not everything recoverable due to missing readers
- Combination with other mission data allows to e.g. estimate the speed of glacier melting



M. Albani

(selected) Highlights

Scalable, efficient and environmentally sustainable Long Term Digital Preservation of scientific datasets in the ARCHIVER project

Archiving and Data Preservation Services using cloud services available via the European Open Science Cloud (EOSC)

- Digital preservation award 2022
- Mentioned in several talks



EMBL-EBI



PIC
port d'informació
científica

M. Addis

Yale (selected) Highlights



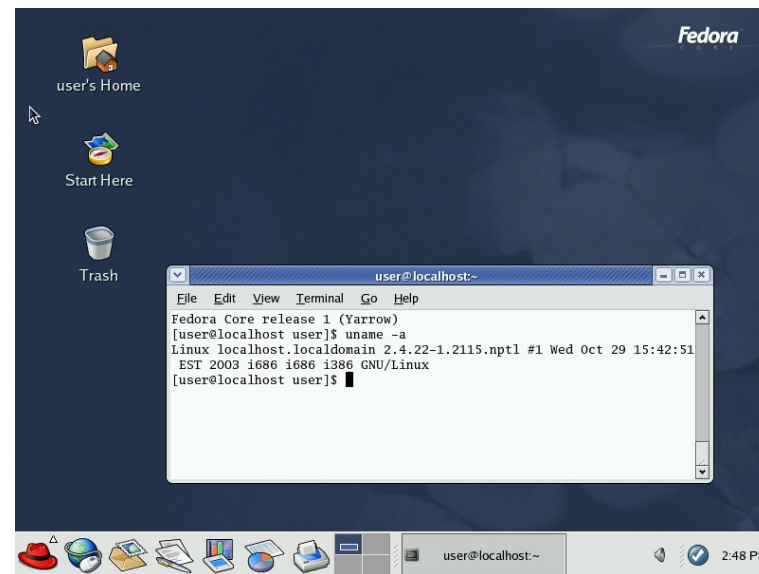
Supporting the reproducibility of software-dependent research

Emulation as a Service

<https://www.eaasi.info/>

Supports quite old OS versions

E.Cochrane



Environments



Emulators

Feedback

Contact

Environments

Search...

Page Size: 10

	Name ↑	Actions
<input type="checkbox"/>	Edubuntu 6.06 - Base V1	Choose action ▾
<input type="checkbox"/>	Fedora 1 Base V1	Choose action ▾
<input type="checkbox"/>	Fedora 7 Base V1	Choose action ▾
<input type="checkbox"/>	Mandrake 8.0 - Base V1	Choose action ▾
<input type="checkbox"/>	Mandrake Linux 5.1 - Base V1	Choose action ▾
<input type="checkbox"/>	Open SUSE 10.2 Base V1	Choose action ▾
<input type="checkbox"/>	OpenSolaris 2009.06	Choose action ▾
<input type="checkbox"/>	Red Hat 6.2 - Base V1	Choose action ▾
<input type="checkbox"/>	Red Hat 8.0 - Base V1	Choose action ▾
<input type="checkbox"/>	Red Hat 9.0 - Base V1	Choose action ▾
<input type="checkbox"/>	Scientific Linux 3.0.1 - Base V1	Choose action ▾
<input type="checkbox"/>	Scientific Linux 6.0 - Base V1	Choose action ▾

Next PV event

- Hosted by ESA/ESAC
- In May 2026
- Villanueva de la Cañada
 - 25km from Madrid



Conclusions

- Very interesting event
 - Well appreciated
 - Many fascinating talks and posters
- International
- Cross-field
 - Albeit dominated by space exploration



home.cern