

WP4 Provenance Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Monday, September 7, 2020 2:00 PM (10 minutes)

Presenter: SERVILLAT, Mathieu (LUTH, Observatoire de Paris)

Session Classification: Provenance model and tools

Contribution ID: 2

Type: **not specified**

The IVOA Provenance data model

Monday, September 7, 2020 2:20 PM (20 minutes)

Presenter: SERVILLAT, Mathieu (LUTH, Observatoire de Paris)

Session Classification: Provenance model and tools

Contribution ID: 3

Type: **not specified**

Capture of provenance information : example of logprov for gammapy

Monday, September 7, 2020 2:40 PM (15 minutes)

Presenter: SERVILLAT, Mathieu (LUTH, Observatoire de Paris)

Session Classification: Provenance model and tools

Contribution ID: 5

Type: **not specified**

Link with IVOA and the Virtual Observatory

Monday, September 7, 2020 2:10 PM (10 minutes)

Presenter: LOUYS, Mireille

Session Classification: Provenance model and tools

Contribution ID: 6

Type: **not specified**

Storage of provenance information: example of CTA DIRAC

Monday, September 7, 2020 2:55 PM (15 minutes)

Presenter: Mrs SANGUILLON, Michèle (LUPM)

Session Classification: Provenance model and tools

Contribution ID: 7

Type: **not specified**

Access to provenance information: example of ProvHiPS

Monday, September 7, 2020 3:10 PM (15 minutes)

Presenter: BONNAREL, François (CDS ObAS CNRS Université de Strasbourg)

Session Classification: Provenance model and tools

Contribution ID: 8

Type: **not specified**

Visualization of provenance information: voprov and ProvSAP within OPUS

Monday, September 7, 2020 3:25 PM (15 minutes)

Presenter: SERVILLAT, Mathieu (LUTH, Observatoire de Paris)

Session Classification: Provenance model and tools

Contribution ID: 9

Type: **not specified**

VizieR catalogs

Monday, September 7, 2020 4:00 PM (20 minutes)

Presenter: LANDAIS, Gilles (CDS)

Session Classification: Use cases and requirements within projects

Contribution ID: **10**Type: **not specified**

European VLBI Network (EVN) Archive

Tuesday, September 8, 2020 11:30 AM (20 minutes)

In this use-case presentation the EVN Archive and its provenance challenges will be presented.

The EVN is a proposal-driven open-access instrument for VLBI astronomy. There is considerable interest – not least from funding agencies – about the conversion of the data taken into papers published in the scientific literature (which in our case can be restricted to those registered in the Harvard-hosted register, ADS). JIVE is currently working on schemas to record this information and investigating tooling to harvest it (semi-)automatically.

Presenters: SMALL, Des (JIVE); VERKOUTER, Harro (Joint Institute for VLBI ERIC); KETTENIS, Mark (JIVE)

Session Classification: Use cases and requirements within projects

Contribution ID: 11

Type: **not specified**

Italian Radio Data Archive

Tuesday, September 8, 2020 11:50 AM (20 minutes)

Presenter: ZANICHELLI, Alessandra

Session Classification: Use cases and requirements within projects

Contribution ID: 12

Type: **not specified**

Multi-frequency polarimetry of extragalactic radio sources

Monday, September 7, 2020 4:20 PM (20 minutes)

The high-frequency (> 20 GHz), bright flux density (> 200 mJy) extragalactic radio sources (ERSs) population is dominated by blazars. Multi-frequency (and multi-epoch) polarimetry is invaluable to study magnetic fields and plasma in the inner and unresolved regions of their relativistic jets. Moreover, as ERSs constitute an important foreground for CMB, such studies are also crucial for Cosmology, e.g. in the search for primordial B-modes associated to inflation in the Early Universe. In this talk I will focus on radio-interferometric observations performed with the Australia Telescope Compact Array (ATCA) and the Atacama Large Millimeter/sub-millimeter Array (ALMA), and their associated data products (from calibrated visibilities and radio maps to more advanced products resulting from analysis, e.g. catalogues and source counts). I will also briefly address those ancillary products which may be relevant for quality assessment, reproducibility or data re-processing. Then, I will summarize provenance requirements from similar projects and present how we already performed the capture, storage and distribution of provenance information.

Presenter: GALLUZZI, Vincenzo (INAF - Osservatorio Astronomico di Trieste)

Session Classification: Use cases and requirements within projects

Contribution ID: 13

Type: **not specified**

LST: Large Size Telescope prototype for CTA

Tuesday, September 8, 2020 9:30 AM (20 minutes)

Presenter: RUIZ, Jose Enrique

Session Classification: Use cases and requirements within projects

Contribution ID: 14

Type: **not specified**

BASS2000: Solar Survey Archive

Tuesday, September 8, 2020 9:50 AM (20 minutes)

Presenter: ABOUDARHAM, Jean (LESIA/PADC - Observatoire de Paris/PSL)

Session Classification: Use cases and requirements within projects

Contribution ID: 15

Type: **not specified**

KM3NeT

Monday, September 7, 2020 4:40 PM (20 minutes)

Presenters: SCHNABEL, Jutta (Friedrich-Alexander Universität Erlangen-Nürnberg); GAL, Tamas (ECAP / FAU)

Session Classification: Use cases and requirements within projects

Contribution ID: 16

Type: **not specified**

LOFAR / APERTIF / WSRT surveys

Tuesday, September 8, 2020 11:10 AM (20 minutes)

Presenters: MANCINI, Mattia; Mr GRANGE, Yan (ASTRON, the Netherlands Institute for Radio Astronomy)

Session Classification: Use cases and requirements within projects

Contribution ID: 17

Type: **not specified**

HEK database: solar events using VOEvent

Tuesday, September 8, 2020 10:10 AM (20 minutes)

The SPoCA-suite provide two modules, one for Active Region (AR) detection, and one for Coronal Holes(CH) detection, to the SDO Event Detection System (EDS). It runs in near-real times at Lockheed Martin Solar and Astrophysics Laboratory. Every four hours, the EDS generates and uploads the SPoCA entries into the AR and CH Catalogs of the HEK or Heliophysics Events Knowledgebase.

The VOEvent standard of 2006 is used in the HEK. In this talk, we analyze the provenance information that is encoded in the field of the VOEvent for the SPoCA-AR and SPoCA-CH event, and discuss how this information could be completed or reorganized in view the proposed provenance data model.

Presenter: DELOUILLE, Veronique (STCE/Royal Observatory of Belgium)

Session Classification: Use cases and requirements within projects

Contribution ID: **18**

Type: **not specified**

NenuFAR / ExPRES

Tuesday, September 8, 2020 10:30 AM (20 minutes)

Presenters: LOH, Alan; Mr CECCONI, Baptiste (Observatoire de Paris)

Session Classification: Use cases and requirements within projects