WP4 Provenance Workshop

Rapport sur les contributions

https://indico.in2p3.fr/e/21913

ID de Contribution: **1** Type: **Non spécifié**

Introduction

lundi 7 septembre 2020 14:00 (10 minutes)

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

Classification de Session: Provenance model and tools

ID de Contribution: **2** Type: **Non spécifié**

The IVOA Provenance data model

lundi 7 septembre 2020 14:20 (20 minutes)

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

Classification de Session: Provenance model and tools

ID de Contribution: **3** Type: **Non spécifié**

Capture of provenance information : example of logprov for gammapy

lundi 7 septembre 2020 14:40 (15 minutes)

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

Classification de Session: Provenance model and tools

ID de Contribution: **5** Type: **Non spécifié**

Link with IVOA and the Virtual Observatory

lundi 7 septembre 2020 14:10 (10 minutes)

Orateur: LOUYS, Mireille

Classification de Session: Provenance model and tools

ID de Contribution: **6** Type: **Non spécifié**

Storage of provenance information: example of CTA DIRAC

lundi 7 septembre 2020 14:55 (15 minutes)

Orateur: Mme SANGUILLON, Michèle (LUPM)

Classification de Session: Provenance model and tools

ID de Contribution: **7** Type: **Non spécifié**

Access to provenance information: example of ProvHiPS

lundi 7 septembre 2020 15:10 (15 minutes)

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

Classification de Session: Provenance model and tools

ID de Contribution: **8** Type: **Non spécifié**

Visualization of provenance information: voprov and ProvSAP within OPUS

lundi 7 septembre 2020 15:25 (15 minutes)

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

Classification de Session: Provenance model and tools

ID de Contribution: **9** Type: **Non spécifié**

VizieR catalogs

lundi 7 septembre 2020 16:00 (20 minutes)

Orateur: LANDAIS, Gilles (CDS)

Classification de Session: Use cases and requirements within projects

ID de Contribution: **10** Type: **Non spécifié**

European VLBI Network (EVN) Archive

mardi 8 septembre 2020 11:30 (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.

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

Classification de Session: Use cases and requirements within projects

ID de Contribution: **11** Type: **Non spécifié**

Italian Radio Data Archive

mardi 8 septembre 2020 11:50 (20 minutes)

Orateur: ZANICHELLI, Alessandra

Classification de Session: Use cases and requirements within projects

ID de Contribution: **12** Type: **Non spécifié**

Multi-frequency polarimetry of extragalactic radio sources

lundi 7 septembre 2020 16:20 (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 reprocessing. Then, I will summarize provenance requirements from similar projects and present how we already performed the capture, storage and distribution of provenance information.

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

Classification de Session: Use cases and requirements within projects

ID de Contribution: **13** Type: **Non spécifié**

LST: Large Size Telescope prototype for CTA

mardi 8 septembre 2020 09:30 (20 minutes)

Orateur: RUIZ, Jose Enrique

Classification de Session: Use cases and requirements within projects

ID de Contribution: **14** Type: **Non spécifié**

BASS2000: Solar Survey Archive

mardi 8 septembre 2020 09:50 (20 minutes)

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

Classification de Session: Use cases and requirements within projects

ID de Contribution: **15** Type: **Non spécifié**

KM3NeT

lundi 7 septembre 2020 16:40 (20 minutes)

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

Classification de Session: Use cases and requirements within projects

ID de Contribution: **16** Type: **Non spécifié**

LOFAR / APERTIF / WSRT surveys

mardi 8 septembre 2020 11:10 (20 minutes)

Orateurs: MANCINI, Mattia; M. GRANGE, Yan (ASTRON, the Netherlands Institute for Radio Astronomy)

Classification de Session: Use cases and requirements within projects

ID de Contribution: **17** Type: **Non spécifié**

HEK database: solar events using VOEvent

mardi 8 septembre 2020 10:10 (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.

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

Classification de Session: Use cases and requirements within projects

ID de Contribution: **18** Type: **Non spécifié**

NenuFAR / ExPRES

mardi 8 septembre 2020 10:30 (20 minutes)

Orateurs: LOH, Alan; M. CECCONI, Baptiste (Observatoire de Paris)

Classification de Session: Use cases and requirements within projects