

WP4 Technology Forum 2

Rapport sur les contributions

ID de Contribution: 1

Type: **Non spécifié**

Welcome and logistics

mardi 13 avril 2021 09:00 (10 minutes)

Orateurs: ALLEN, Mark (CDS/CNRS); HEINL, Hendrik (CDS/ObAS)

Classification de Session: Introduction

ID de Contribution: 2

Type: **Non spécifié**

Overview of ESCAPE and WP4 status

mardi 13 avril 2021 09:10 (20 minutes)

Orateur: ALLEN, Mark (CDS/CNRS)

Classification de Session: Introduction

ID de Contribution: 3

Type: **Non spécifié**

Task 4.1 Summary and Status

mardi 13 avril 2021 09:30 (20 minutes)

Orateur: MOLINARO, Marco (INAF)

Classification de Session: Introduction

ID de Contribution: 4

Type: **Non spécifié**

Task 4.2 Summary and Status

mardi 13 avril 2021 09:50 (20 minutes)

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

Classification de Session: Introduction

ID de Contribution: 5

Type: **Non spécifié**

Task 4.3 Summary and Status

mardi 13 avril 2021 10:10 (25 minutes)

Orateur: ROMANIELLO, Martino (ESO)

Classification de Session: Introduction

ID de Contribution: **11**

Type: **Non spécifié**

Hack-a-thon Feedback Reports

jeudi 15 avril 2021 14:00 (45 minutes)

Classification de Session: Conclusions

ID de Contribution: **12**

Type: **Non spécifié**

Discussion / Planning

jeudi 15 avril 2021 14:45 (20 minutes)

Classification de Session: Conclusions

ID de Contribution: 13

Type: **Non spécifié**

Conclusions and next steps

jeudi 15 avril 2021 15:05 (25 minutes)

Orateur: ALLEN, Mark (CDS/CNRS)

Classification de Session: Conclusions

ID de Contribution: **28**

Type: **Non spécifié**

How the ESO Archive makes use of VO Technologies

mardi 13 avril 2021 11:15 (25 minutes)

ESO Web and Programmatic interfaces, using: - ADQL - Aladin Lite - DataLink - HiPS - ObsCore
- SAMP - SODA - SSA - STC-S (point, circle, polygon, multi-polygon) - TAP (DALI, VOSI, UWS,
UCD, UTYPE, ...) - TOPCAT - VOTable - pyvo

Orateur: MICOL, Alberto

Classification de Session: Session. (Chair - Marco Molinaro)

ID de Contribution: 29

Type: **Non spécifié**

Using Neutrino data - a KM3NeT perspective

mardi 13 avril 2021 11:40 (25 minutes)

In this contribution the requirements and current status of the integration efforts of high-energy neutrino data in the VO, and more widely, ESCAPE environment, is introduced from the perspective of KM3NeT. A special focus will be given to the requirement of providing probability estimates alongside the data to interpret these low-statistic data samples. If fitting, we can also provide an update on the KM3NeT provenance developments.

Orateur: SCHNABEL, Jutta (Friedrich-Alexander Universität Erlangen-Nürnberg)

Classification de Session: Session. (Chair - Marco Molinaro)

ID de Contribution: 30

Type: **Non spécifié**

UCD and TAP service for solar physics

mardi 13 avril 2021 12:05 (25 minutes)

We explain what has been achieved this year at the ROB within WP4, Task 2.2 on 'implementing FAIR principles through VO'. Mapping of UCD to solar physics catalogs and FITS keywords is underway, and some extensions of UCD to solar physics are being discussed. We also investigated the interoperability between a solar image browser, JHelioviewer, and the TAP service at ESAC through the use of SAMP protocol. Finally, we began to install a TAP server using the DaCHS software. The goal is to serve FITS files as well as event catalogs.

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

Classification de Session: Session. (Chair - Marco Molinaro)

ID de Contribution: 31

Type: **Non spécifié**

A VO service for the European VLBI Network

mercredi 14 avril 2021 10:05 (25 minutes)

At JIVE we are working on making data from the European VLBI Network (EVN) archive available through VO protocols. For this purpose we have built a TAP service that serves ObsCore records. To create these records we wrote some special-purpose software in Python that extracts the necessary meta-data from FITS-IDI files. In this presentation I will discuss some of the choices made when writing this software as well as some further improvements we still intend to make before the service goes “live”.

Orateur: KETTENIS, Mark (JIVE)

Classification de Session: Session (Chair - Stefania Amodeo)

ID de Contribution: 33

Type: **Non spécifié**

CTA

mercredi 14 avril 2021 09:20 (25 minutes)

Orateurs: Dr FUESSLING, Matthias (CTAO gGmbH); BOISSON, Catherine (LUTH, Obs. Paris-Meudon)

Classification de Session: Session (Chair - Stefania Amodeo)

ID de Contribution: 35

Type: **Non spécifié**

Feedback from the 1st Science with interoperable data school

mercredi 14 avril 2021 09:00 (20 minutes)

The presentation will focus on the most relevant aspects of the First science with interoperable data school held on-line on 2021 Feb 8-12, 19

Orateur: SOLANO, Enrique

Classification de Session: Session (Chair - Stefania Amodeo)

ID de Contribution: 36

Type: **Non spécifié**

Intro for VO Validation hack-a-thon

mercredi 14 avril 2021 12:10 (20 minutes)

Improve VO service validation statistics: I'd like to get together with willing participants (especially VO service operators/owners) to understand validation failures and maybe improve service compliance or validator behaviour. TAP especially, but also SCS, SIA, SSA - see e.g. <https://wiki.ivoa.net/internal/IVOA/InternalEuro-VOResourcesValidationStatus.pdf>

Orateur: TAYLOR, Mark (University of Bristol)

Classification de Session: Session (Chair - Dave Morris)

ID de Contribution: 37

Type: **Non spécifié**

Data Model usage in the VO

mercredi 14 avril 2021 11:50 (20 minutes)

I'll present an overview on different possible usages of the data models in the VO

Orateur: MICHEL, Laurent (Observatoire Astronomique de Strasbourg)

Classification de Session: Session (Chair - Dave Morris)

ID de Contribution: 38

Type: **Non spécifié**

Multi Order Coverage data structure to plan multi-messenger observations

mercredi 14 avril 2021 09:45 (20 minutes)

We describe the use of Multi Order Coverage (MOC) maps as a practical way to manage complex regions of the sky for the planning of multi-messenger observations. Using the example of the low-latency gravitational-wave alerts, and a simulated observational campaign with three observatories, we show that the use of MOC maps allows a high level of interoperability to support observing schedule plans.

Orateur: GRECO, Giuseppe (INFN-Perugia)

Classification de Session: Session (Chair - Stefania Amodeo)

ID de Contribution: 39

Type: **Non spécifié**

Provenance update and intro for Provenance hack-a-thon

mardi 13 avril 2021 11:00 (15 minutes)

Follow-up of the 2020 workshop on Provenance requirements

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

Classification de Session: Session. (Chair - Marco Molinaro)

ID de Contribution: **40**

Type: **Non spécifié**

WP4 - WP5 topics

jeudi 15 avril 2021 09:30 (20 minutes)

Orateur: VOUTSINAS, Stelios

Classification de Session: Session (Chair - André Schaaff)

ID de Contribution: 41

Type: **Non spécifié**

ESAP Gateway API + GUI, current implementation status

jeudi 15 avril 2021 09:00 (30 minutes)

In WP5 we have been implementing the ESAP Gateway, a REST API and a GUI on top of that. So far, it has mostly been geared towards 'data discovery', where institutes were able to configure and query their 'service providers' in a common and generic way. Ideally, this pattern of configuration and API's can be used for integration of other types of services into the ESAP framework also, by the other WP teams.

Orateur: VERMAAS, Nico**Classification de Session:** Session (Chair - André Schaaff)

ID de Contribution: 42

Type: **Non spécifié**

Software metadata in the IVOA

jeudi 15 avril 2021 09:50 (20 minutes)

How we can use the OSSR metadata to register and deploy IVOA software.

How we could use the OSSR metadata to plan task execution in ESCAPE and the IVOA.

Orateur: MORRIS, Dave (University of Edinburgh)

Classification de Session: Session (Chair - André Schaaff)

ID de Contribution: 43

Type: **Non spécifié**

Using semantics to give B2Find better metadata

mercredi 14 avril 2021 11:10 (20 minutes)

Orateur: DEMLEITNER, Markus

Classification de Session: Session (Chair - Dave Morris)

ID de Contribution: 44

Type: **Non spécifié**

VESPA-Cloud

mercredi 14 avril 2021 11:30 (20 minutes)

We have developed of prototype to deploy DaCHS instances, using docker and openstack, with git version control for server configuration, as well as for services configurations. The prototype was developed with support from EOSC-Hub, and has been tested and CC-IN2P3 and CESNET cloud-compute resources. We also explored the storage of dat and metadata in EUDAT. The framework can also be used locally, e.g., for continuous integration and testing during the service development stage.

Orateur: M. CECCONI, Baptiste (Observatoire de Paris)

Classification de Session: Session (Chair - Dave Morris)

ID de Contribution: 45

Type: **Non spécifié**

Apertif DR1 integration into ASTRON VO services

jeudi 15 avril 2021 10:10 (20 minutes)

Orateur: GRANGE, Yan (ASTRON, the Netherlands Institute for Radio Astronomy)

Classification de Session: Session (Chair - André Schaaff)

ID de Contribution: 46

Type: **Non spécifié**

Mining the EVN Archive using JupyterLab and the VO

jeudi 15 avril 2021 10:30 (20 minutes)

Mining the EVN Archive using JupyterLab and the VO At JIVE we are building a JupyterHub based portal to the archive of the European VLBI Network (EVN). The portal will allow users to process any dataset from the EVN archive on hardware at JIVE. As part of this effort we have created a JupyterLab plugin which allows users to query the EVN archive through our recently created TAP service. The plugin can also import the discovered datasets into the user's JupyterLab environment. In this talk I will discuss the implementation of this plugin and the various issues encountered when interacting with the VO through a JupyterLab plugin. I will also briefly discuss our efforts to get the EVN Archive, which contains visibility data rather than images, into the VO.

Orateur: KEIMPEMA, Aard (JIVE)**Classification de Session:** Session (Chair - André Schaaff)