IVOA software in ESCAPE

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IVOA software in ESCAPE

What is ESCAPE ?

European Science Cluster of Astronomy & Particle physics ESFRI research infrastructures

- connect ESFRI projects to EOSC ensuring integration of data and tools
- foster common approaches to implement open-data stewardship
- establish interoperability within EOSC as an integrated multi-messenger facility for fundamental science

https://projectescape.eu/

What is ESFRI ?

European Strategy Forum on Research Infrastructures

What is EOSC ?

The European Open Science Cloud is an environment for hosting and processing research data to support EU science.

IVOA software in the OSSR

What is OSSR ?

Work package 3 of ESCAPE
Open-source Scientific Software and Service Repository

A sustainable open-access repository to share scientific software and services to the community and enable open science.

Housing astronomy and particle physics related scientific software and services for data processing and analysis, as well as test data sets, user-support documentation, tutorials, presentations and training activities.

IVOA software in ESCAPE

What is CEVO ?

Work Package 4 of ESCAPE
Connecting ESFRI projects to EOSC through VO framework

CEVO's role is to promote IVOA standards and software in ESCAPE

ESCAPE harvests the IVOA registry

which means ….

IVOA services are available in ESCAPE

IVOA data collections are available in ESCAPE

How do we promote IVOA software in the OSSR ?

IVOA software in the OSSR

What is "IVOA software" ?

Services designed to implement IVOA standards
DaCHS, Daiquiri, Saada, OpenCADC, CASDA

Libraries designed to use IVOA standards
STIL, Vollt, Astropy ...

Client applications that access the VO
TopCat, Aladin, Splat ...

Toolkits to publish data in the VO
https://wiki.ivoa.net/twiki/bin/view/IVOA/PublishingInTheVO

IVOA software in the OSSR

Software contributed by ESCAPE members

CDS   Aladin, Vollt, Saada

GAVO   DaCHS

Encourage the developers to register in Zenodo & OSSR

Do we want to have IVOA specific metadata ?

IVOA software in the OSSR

Software contributed from outside ESCAPE

Bristol   TopCat, STIL
CADC   OpenCADC
CSIRO CASDA

Encourage the developers to register in Zenodo & OSSR

As far as we know, there is no requirement to be a member of ESCAPE

OSSR are happy to accept any contributions (*)

CEVO happy to act as a sponsor

IVOA software in the OSSR

Deploying VO services in ESCAPE

Building on the work done by VESPA-Cloud

(*) See next presentation

Register the deployment package in OSSR as a separate entity

Reproducible cloud based deployments

CEVO happy to help develop these

D.Morris, University of Edindurgh

IVOA software in the OSSR

Open call to IVOA software developers

If you would like your software included in OSSR

CEVO would like to help

Contact me to find out more:

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