IVOA Interop

May 25-28, With Intro session May 24 !!

Registration page: https://indico.ict.inaf.it/e/ivoa/interop-may-2021

Schedule: https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2021

Highlights

IVOA Newcomers session - May 24 @ 20:30 UTC

Aiming at newcomers to the VO, we will present a scientific use case using several VO-standards and protocols. We will also explain the process of developing these standards and how Working Groups and Interest Groups relate to this process. We hope this session will help newcomers understand the structure of the IVOA and how InterOp meetings are organized in order to get the most out of it.

Mini-Workshop (May 24-27@13:30UTC) - Use of Science Platforms for the dissemination of Cosmological Simulations

A Science Platform is an environment providing advanced functionality to analyze and process large and complex data-sets close to the data. In recent years the Grid and Web Services working group has been focusing on Science Platforms as a complementary approach to downloads that are traditionally still part of our standardization efforts. As data sets are getting ever larger and more complex, for many use cases it becomes imperative to bring analysis to the data.

In this workshop we want to bring together scientists, experts in computational Cosmology, VO experts and SP developers to discuss current implementations and ideas for their future development. In particular we want to identify areas where a common, standardized approach might benefit the community, which the IVOA could take up in its efforts. This may include metadata standards for discovery, or standards for file formats, compute environments, or data access libraries.

Mini-Workshop (May25-28@15:00UTC) - Data Model usage in the VO

In January, the Data Model Working group (DM WG) engaged in a collaborative process to illustrate how the VO can use models to facilitate interoperability when accessing/analyzing data. Over the past 5 months, different contributors exercised their proposals to improve the meta-data representation in VOTable by using model annotations. The outcome of this work will serve as a basis for discussions during the DM workshop. The DM WG encourages those interested by any aspect of data modeling to attend and contribute.

We have a few interesting cases with differing levels of complexity to present based on time series and catalog data . The workshop is planned to take place in 3 focused sessions including the following topics: DM landscape; Use case work ; Scientific vision of the DM usage in the VO; Discussions