



# Applications Working Group – IVOA Interop, May 2021

Tom Donaldson and Raffaele D'Abrusco (chairs)

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Slack channel: [#applications](https://ivoa.slack.com)

## Focused on the software used to access VO services and data

- Includes standalone apps, web apps and software libraries

## Standards

- **\*MOC HEALPix Multi-Order Coverage Map**
  - Version 2.0 moving to RFC
  - Now on github: <https://github.com/ivoa-std/MOC>
- VOTable – Primary IVOA format for exchanging tabular data
  - <https://github.com/ivoa-std/VOTable>
- SAMP – Simple Application Messaging Protocol
- HiPS – Hierarchical Progressive Survey



# Applications and Related Sessions - 1

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## Astropy Discussion - Tuesday May 25 @ 15:00 UTC

Speaker	Title
<i>Bruno Merin</i>	<b>Introduction</b> A brief high-level review of the goals and recent history of IVOA/Astropy to help set the context for the discussions.
<i>All</i>	<b>Unifying PyVO's TAP with Astroquery's TAPPlus</b> <ul style="list-style-type: none"><li>• One code base to maintain with the best features of both</li></ul>
<i>All</i>	<b>Where to Handle VOTable Metadata</b> <ul style="list-style-type: none"><li>• Relevant to data model workshop</li></ul>
<i>All</i>	<b>Governance and Process Improvements</b> <ul style="list-style-type: none"><li>• Affiliated versus coordinated package</li><li>• What can we do better</li></ul>

See schedule page for details: <https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2021Astropy>



## Applications and Related Sessions - 2

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### Applications - Tuesday May 25 @ 20:30 UTC

Speaker	Title
<i>Pierre Fernique, Ada Nebot, Sébastien Derriere</i>	<b>Status on MOCs in the IVOA</b>
<i>Dave Morris</i>	<b>Registering IVOA software in ESCAPE</b>
<i>Baptiste Cecconi</i>	<b>VESPA-Cloud</b>
<i>Jiri Nadvornik</i>	<b>HDF5 and the VO</b>

See Apps schedule for abstracts: <https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2021Apps>



## Applications and Related Sessions - 3

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### DAL/Apps - Thursday May 27 @ 05:00 UTC

Speaker	Title
Brent Miszalski	<a href="#">Data Central's Data Aggregation Service</a>
Mathieu Servillat	<a href="#">Provenance information management</a>
Volodymyr Savchenko	<a href="#">Workflow interoperability for telescope operations and time domain astronomy</a>
Valentin Lefranc	<a href="#">Astro Colibri</a>

See DAL schedule for details: <https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2021DAL>