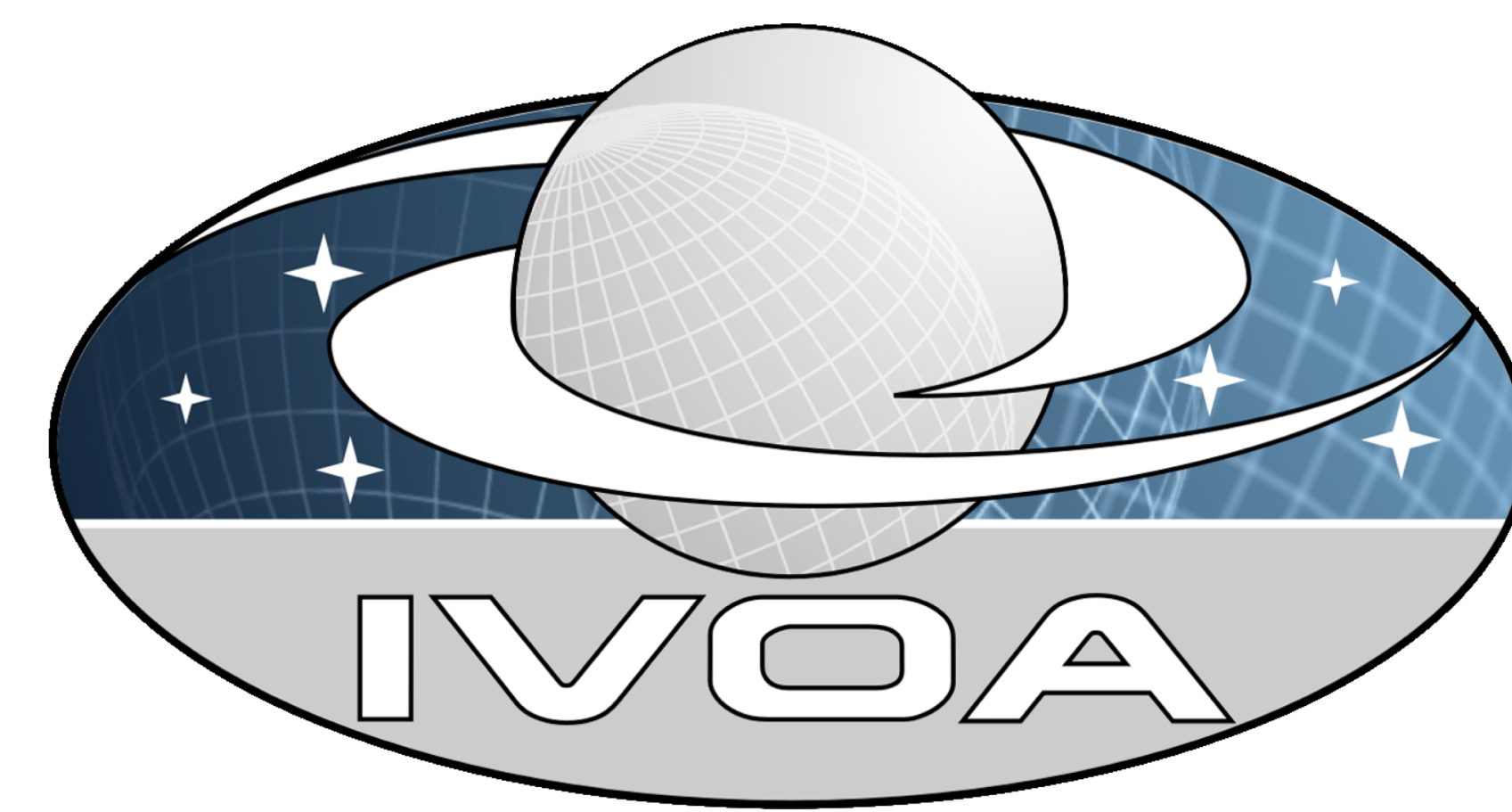


Data Curation and Preservation IG effort around DOIs



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The online availability of data and the development of associated services are an opportunity to increase the return on investment of major projects. Publications must now be able to cite datasets, queries, workflows, and more. This poses **problems**, particularly in terms of the **persistence** of the **resources** thus mentioned. And not only in life duration but also in terms of **technological evolution** (hardware, location, domain names, etc.). It has become essential to create mechanisms to address these issues. **Unique and perennial identifiers are a solution**. Their management must also be provided by independent and international organisations, supported by the world of research (universities, research organisations, etc.).



The DOI (Digital Object Identifier) system was created with this in mind. It is a Persistent Identifier (PID) and identifies **sustainable resources** and opens new possibilities for **data citation, indexing, cross-referencing, and data access**. In the global landscape, DOIs can be viewed as **an architecture linking resources** at different levels of granularity and published by different data providers.

An IVOA Data Curation and Preservation IG Session was dedicated to DOIs during the College Park IVOA meeting in November 2018 and it was decided to work on an **IVOA Note** to provide the **astronomical community** with a clear **snapshot of DOI usage** and to extract the **best practices** (about assignment, granularity, metadata, etc.) and the **lessons learnt**. A **survey about experiments** in this area was also conducted within the IVOA community and we thank the many people who responded.

For more information you can follow the coming DCP session (see our Web page) during the IVOA meeting after ADASS, join the mailing list or discuss directly with us. **Note drafts are available on our Web page.**

To join DCP mailing list <http://mail.ivoa.net/mailman/listinfo/datacp>



Our Web page <https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaDCP>



The IVOA Data Curation and Preservation Interest Group (DCP) aims at sharing best practices and engaging IVOA member projects in the long-term curation and preservation of astronomical data.



IVOA Interoperability Meeting 2019
Netherlands - October 11 - 13, 2019

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