Euro-VO Registry Ecosystem Health Report

Costas Vrioni, Christophe Arviset, Juan Gonzalez
ESAC Science Data Centre,

IVOA interop, Observatoire de Paris, Paris, France, 16/05/2019

http://registry.euro-vo.org/

LogIn | Join

Welcome to the new EURO-VO Full Harvestable VO Resource Registry.

The new Euro-VO Registry offers you the following main functionalities:

For astronomers and end users:
Search the VO resources through the Simple Search Panel, the Advanced Search or through the expert ADQL Search Panel (click on the 🔍 icon).

For data publishers:
Host your resources with EuroVO, create and update your own VO Resources via a password-protected interface, check their compliance with the associated IVOA standards (click on the 📁 icon; requires an account: click Join to join).

For VO Applications developers and for other IVOA Registries:
Harvest the registry, retrieve individual resources, or search the registry through its programmatic OAI-PMH, RI1 and RegTAP interfaces (click on the ⓘ icon to find more information).

If you have any question regarding the EURO-VO Registry, please send an email to:

esavo.registry@sciops.esa.int.

Registry Anomalies Report

Actions Taken:

Improving our registry

- Fixing our OAI-PMH protocol implementation

- Validating and fixing all managed authorities registered to our registry

Then validating again with RofR validator…

Registry Anomalies Report (what remains)

anomaly	Nov 2018	May 2019
ROR-03 :: Common managed authority	3	1
HRV-01 :: Common managed authority	2	0
ROR-HRV-01 :: A registry record was harvested that was not also found in the RoR	1	1
ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy	8	2
SG-01 :: OAIPMH protocol failure	1	2
	15	**6**

Big improvement !

Harvested registry resource anomalies

Anomalies discovered when examining the registry resource records ~~as made available by the~~ publishing registries (and not as made available by the RoR)

RoR registry resource anomalies

Anomalies discovered when examining solely the representation of registry resource records as made available by the RoR.

RoR - harvested registry records discrepancies

Discrepancies between the registry resource records as made available by the RoR and as harvested by their respective registries

Other anomalies

Anomalies not falling into one of the other categories

Registry Anomalies Report

ROR-03 :: Common managed authority

Two different registry records as retrieved from the RoR contain a common managed authority

Anomaly count: 1

#	Description
1	Registries 'ivo://esavo/registry' and 'ivo://idoc/__system__/services/registry' contain 1 common managed authorities: idoc

Potential Action to be taken:
➢ RofR to update the Euro-VO Registry resources

Registry Anomalies Report

ROR-HRV-01 :: A registry record was harvested that was not also found in the RoR

A given registry IVOID is found in the local system database but not in the Registry of Registries

Anomaly count: 1

#	Description
1	ivo://org.gavo.dc/rr/q/create

Potential Action to be taken:
➤ RofR to ? Gavo to check it

Registry Anomalies Report (ROR-HRV-02)

ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy

Discrepancy between the registry information reported for a particular registry resource by the Registry of Registries and the information obtained via the OAI-PMH protocol

Anomaly count: **2**

#	Description
1	RoR: ivo://cadc.nrc.ca/registry|CADC Registry|CADC Registry|cadc.nrc.ca --- Harvested: ivo://cadc.nrc.ca/registry|CADC Registry|CADC Registry|cadc.nrc.ca
2	RoR: ivo://esavo/registry|EURO-VO Full Harvestable Registry|EURO-VO Registry|3CRSnapshots, idoc, Leden, OCA, Swinburne, arches, arvo, asdc, au.gov.aao, cdpp, dame.astro.it, esavo, eso.org, fondue, fr.obsbesancon, graal, graal.fr, ia2.inaf, ia2.inaf.it, idoc.d2s, idoc.ginco, ison, ison.clt, jao.alma, lam.cesam, lmichel, magic, nci.org.au, nf.nci.org.au, obelix.lambrate.inaf.it, ov-gso, stardb, stecf, svo.cab, svo.ifca, uni-heidelberg.de, vo.sim, xcatdb --- Harvested: ivo://esavo/registry|EURO-VO Full Harvestable Registry|EURO-VO Registry|3CRSnapshots, Leden, OCA, Swinburne, arches, arvo, asdc, au.gov.aao, cdpp, dame.astro.it, esavo, eso.org, fondue, fr.obsbesancon, graal, graal.fr, ia2.inaf, ia2.inaf.it, idoc.d2s, idoc.ginco, ison, ison.clt, jao.alma, lam.cesam, lmichel, magic, nci.org.au, nf.nci.org.au, obelix.lambrate.inaf.it, ov-gso, stardb, stecf, svo.cab, svo.ifca, uni-heidelberg.de, vo.sim, xcatdb

Potential Action to be taken:

➢ RofR to update the Euro-VO Registry resources
➢ RofR to update the CADC Registry resources

Registry Anomalies Report (SG-01)

SG-01 :: OAIPMH protocol failure

Network failure in the OAI-PMH protocol or failure to parse response according to expected OAI-PMH type when trying to access a particular registry during the production of this report

Anomaly count: **2**

#	Description
1	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService | http://msslkz.mssl.ucl.ac.uk/registry_leicester/OAIHandlerv1_0 | _int.esa.esavo.common.Http5xxServerError
2	ivo://cadc.nrc.ca/registry | http://www.cadc-ccda.hia-iha.nrc-cnrc.gc.ca/reg10/OAIHandlerv1_0 | _int.esa.esavo.common.Http5xxServerError

Potential Action to be taken:

➢ For (1): Inform msslkz.mssl.ucl.ac.uk that their server is not responding

➢ For (2): ESA to check if there is any issue related to ESA network

Registry Warnings Report

warning	Nov 2018	May 2019
RORW-01 :: A registry doesn't contain a 'shortName' field	4	4
RORW-02 :: Common managed authority prefix	4	1
RORW-10 :: A registry is not declared as a harvestable registry	0	1
HRVW-01 :: Common managed authority prefix	2	1
HRVW-02 :: A registry doesn't contain a 'shortName' field	4	4
HRVW-03 :: A registry is not declared as a harvestable registry	2	2
	16	13

Slight improvement

Warning: Indicates that a Registry operator may have inadvertently expressed something that, while by itself perfectly legal, may not match what they have intended.

Conclusion

Big improvement on the Registry Anomalies !

- Thanks to all involved (Yulie Zografou, Menelaus Perdikeas , Markus Demleitner, Theresa Dower, Bruno Merin, Marco Molinaro …)

Slight improvement on the Registry warning

- Still working on it