

Euro-VO Registry Ecosystem Health Report

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Reference: VO Service Compliance Statistics

Status: Issued

ESA UNCLASSIFIED - Releasable to the Public




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 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



anomaly	May 2017	Oct 2017
HRV-04 :: Same (case-insensitive) registry title	0	1
ROR-02 :: XSD-invalid RoR registry resource	12	0
ROR-HRV-01 :: A registry record was harvested that was not also	1	2
ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy	15	6
SG-01 :: OAIPMH protocol failure	4	4
	32	13

Harvested registry resource anomalies

Anomalies discovered when examining the registry resource records as harvested from their respective 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 Warnings Report



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

warning	May 2017	Oct 2017
RORW-11 :: Identifier in OAI-PMH namespace	12	7
RORW-12 :: A registry doesn't contain a 'shortName' field	7	7
HRVW-01 :: Common managed authority prefix	1	1
HRVW-02 :: A registry doesn't contain a 'shortName' field	8	9
HRVW-03 :: A registry is not declared as a harvestable registry	2	3
	30	27

Overall status and next steps 1/2



Very good progress in fixing the main anomalies

- Good interaction with Registry managers and resources managers:
 - ✓ 32 anomalies reduced to 13
 - ✓ 30 warnings reduced to 27

Still some work to do

- Continue cleaning up all the anomalies
 - Modifications done in the Registries resources should also be updated in the RofR. (ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy)
 - Remaining updates on Registries (HRV-01 :: Common managed authority)

Overall status and next steps 2/2



- Potentially degrading some anomalies into warnings as they're not real problems
 - ✓ ROR-1 -> RORW-12 :: A registry doesn't contain a 'shortName' field
- Even think about removing some anomalies?
 - The RORW-12 & HRVW-02 :: A registry doesn't contain a 'shortName' field *This should not be required. VOResource specifications show it as optional and the vr:Resource Type Schema Definition includes <xs:element name="shortName" type="vr:ShortName" **minOccurs="0"**>*
- Remove the registries which are not responding
 - <ivo://uk.ac.cam.ast/org.astrogrid.registry.RegistryService>
http://astrogrid.ast.cam.ac.uk/CASU-registry/OAIHandler_v1_0?verb=Identify
 - <ivo://astronet.ru/cas/registry>
<http://vo.astronet.ru/cas/registry.php?verb=Identify>
 - ivo://chivo-lirae/__system__/services/registry
<http://endpoint.chivo.cl/oai.xml?verb=Identify>