

# Euro-VO Registry Ecosystem Health Report

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ESA UNCLASSIFIED - Releasable to the Public

## Euro-VO Registry



HOME

### WELCOME TO THE 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.
- **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.
- **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.



### TOP FEATURES



#### SEARCH

Search through all data.



#### ADQL SEARCH

Search with ADQL query through all data.



#### STANDALONE VALIDATION

This page is used for validating standalone.



#### INFO

Information related to EuroVO Registry Services.



#### CONTACT

For questions, suggestions or problem reports, contact our [EuroVO Registry Support](#).

# Registry Anomalies Report



anomaly	May 2019	Nov 2019
ROR-01 :: XSD-invalid RoR registry resource	0	4
ROR-03 :: Common managed authority	1	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	2	1
SG-01 :: OAIPMH protocol failure	2	3
	<b>6</b>	<b>9</b>

Are increased since previous Interop

## 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

## ROR-01 :: XSD-invalid RoR registry resource

*A registry resource record as made available by the RoR is XSD-invalid*

Anomaly count: **4**

#	Description
1	ivo://China-VO/registry   cvc-complex-type.2.4.a: Invalid content was found starting with element 'validationLevel'. One of '{validationLevel, title}' is expected.
2	ivo://jacobsuni/__system__/services/registry   cvc-complex-type.2.4.a: Invalid content was found starting with element 'logo'. One of '{name}' is expected.
3	ivo://org.gavo.dc/__system__/services/registry   cvc-complex-type.2.4.a: Invalid content was found starting with element 'tableset'. One of '{managedAuthority}' is expected.
4	ivo://purx/registry   cvc-complex-type.2.4.a: Invalid content was found starting with element 'tableset'. One of '{managedAuthority}' is expected.

### Potential Action to be taken:

- RofR should inform the resource owner that their resources are not XSD valid

# 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:

- Known issue, no action needed.

## 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: **1**

#	Description
1	RoR: ivo://China-VO/registry China-VO Registry China-VO_Reg  --- Harvested: ivo://China-VO/registry China-VO Registry null

### Potential Action to be taken:

- The issue is reported because of the pretty printing and reorganization applied to the resource by RofR. We can ignore it at the moment (till it's updated with a XSD valid content).

# 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: **3**

#	Description
1	ivo://China-VO/registry   https://registry.china-vo.org/oai   _int.esa.esavo.common.ShowStopper
2	ivo://fu-berlin.planet.hrsc/__system__/services/registry   http://dachs.planet.fu-berlin.de/oai.xml   _int.esa.esavo.common.PersistentHTTPConnectivityException
3	ivo://byu.arvo/__system__/services/registry   http://arvo-registry.sci.am/oai.xml   _int.esa.esavo.common.PersistentHTTPConnectivityException

### Potential Action to be taken:

- For (1): more investigation needed.
- For (2) and (3): Servers are temporary down.

# Conclusion



Big improvement on registry anomalies.

NEXT STEP: Some resources are not XSD valid. The owners should be informed.

## BACKUP SLIDE

# Warnings

warning	warning kind	counts
<a href="#">a registry doesn't contain a 'shortName' field</a>	<a href="#">RORW</a>	4
<a href="#">common managed authority prefix</a>	<a href="#">RORW</a>	1
<a href="#">identifier in OAI-PMH namespace</a>	<a href="#">RORW</a>	1
<a href="#">common managed authority prefix</a>	<a href="#">HRVW</a>	1
<a href="#">a registry doesn't contain a 'shortName' field</a>	<a href="#">HRVW</a>	5
<a href="#">a registry is not declared as a harvestable registry</a>	<a href="#">HRVW</a>	1

## Harvested registry resource anomalies

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## Other anomalies

Anomalies not falling into one of the other categories

## RORW-01 :: A registry doesn't contain a 'shortName' field

*The RoR contains a registry record whose 'shortName' field (xpath: /shortName) is empty*

Anomaly count: **4**

#	Description
1	ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService
2	ivo://sao.ru/org.astrogrid.registry.RegistryService
3	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService
4	ivo://wfau.roe.ac.uk/org.astrogrid.registry.RegistryService

## RORW-02 :: Common managed authority prefix

*Two different registry records as retrieved from the RoR share a common managed authority prefix*

Anomaly count: **1**

#	Description
1	Registries 'ivo://esavo/registry' and 'ivo://idoc/__system__/services/registry' 2 common managed authority prefixes in 1 family: <a href="#">idoc.d2s~idoc</a>   <a href="#">idoc.ginco~idoc</a>

## RORW-11 :: Identifier in OAI-PMH namespace

*Identifier of RoR resource was found in the OAI-PMH namespace instead of being non-namespaced (i.e. /ri:Resource/oaipmh:identifier instead of /ri:Resource/identifier); NB: subset of ROR-2*

Anomaly count: **1**

#	Description
1	ivo://China-VO/registry

## HRVW-01 :: Common managed authority prefix

*Two different registry records (as harvested) share a common managed authority prefix*

Anomaly count: **1**

#	Description
1	Registries 'ivo://idoc/__system__/services/registry' and 'ivo://esavo/registry' 2 common managed authority prefixes in 1 family: <a href="#">idoc~idoc.ginco</a>   <a href="#">idoc~idoc.d2s</a>

## HRVW-02 :: A registry doesn't contain a 'shortName' field

*A registry record was harvested whose 'shortName' field (xpath: /shortName) is empty*

Anomaly count: **5**

#	Description
1	ivo://sao.ru/org.astrogrid.registry.RegistryService
2	ivo://China-VO/registry
3	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService
4	ivo://wfau.roe.ac.uk/org.astrogrid.registry.RegistryService
5	ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService

## HRVW-03 :: A registry is not declared as a harvestable registry

*A registry record was harvested that doesn't define an HTTP-based OAI-PMH interface for harvesting*

Anomaly count: **1**

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