

# **Euro-VO Registry Ecosystem Health Report**

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IVOA interop, ASTRON, Groningen, NL, 12/10/2019

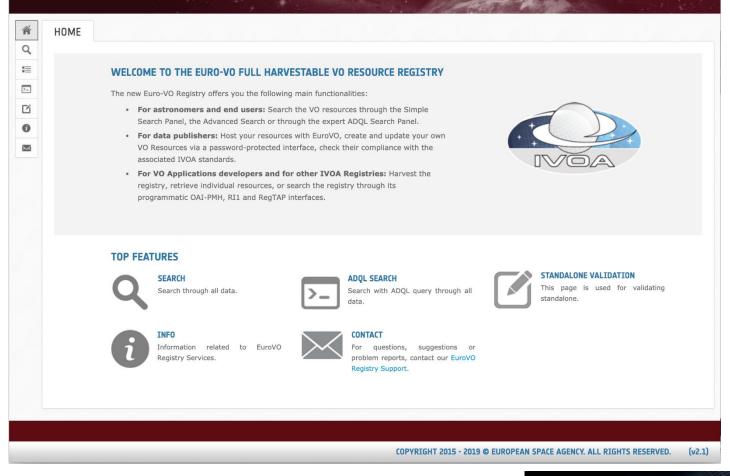
Issue/Revision: 1.0 Reference: Euro-VO Registry Ecosystem Status: Issued ESA UNCLASSIFIED - Releasable to the Public



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

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### Euro-VO Registry





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# **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
	Are increased since	6	9

#### Harvested registry resource anomalies

previous Interop

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 Anomalies Report**



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





# 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

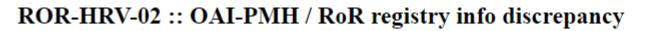
#### Anomaly count: 1

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

## Potential Action to be taken:

Known issue, no action needed.

# **Registry Anomalies Report**



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

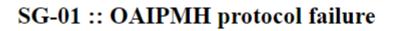
#	Description
1	RoR: ivo://China-VO/registry China-VO Registry China-VO_Reg  Harvested: ivo://China-VO/registry China-VO Registry null

### 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)**



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**

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# Warnings



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

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# Warnings

# 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
1	prefixes in 1 family: idoc.d2s~idoc   idoc.ginco~idoc

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## **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 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

 Registries 'ivo://idoc/\_\_system\_\_/services/registry' and 'ivo://esavo/registry' 2 common managed authority prefixes in 1 family: idoc~idoc.ginco | idoc~idoc.d2s

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# Warnings

### 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

ivo://org.gavo.dc/rr/q/create

