

Euro-VO Registry Ecosystem Health Report

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





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 Q icon).

For data publishers:

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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 <u>OAI-PMH</u>, <u>RI1</u> and <u>RegTAP</u> interfaces (click on the **1** 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	Oct 2017	May 2018
HRV-04 :: Same (case-insensitive) registry title	1	0
ROR-HRV-01 :: A registry record was harvested that was not also found in the RoR	2	3
ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy	6	6
SG-01 :: OAIPMH protocol failure		5
	13	14

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

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

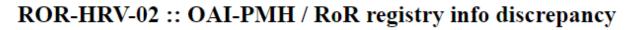
A given registry IVOID is found in the local system database but not in the Registry of Registries

Anomaly count: 3

#	Description
1	ivo://purx/rr/q/create
2	ivo://org.gavo.dc/rr/q/create
3	ivo://chivo-lirae/system/services/registry

Action to be taken: Insert them to RofR?





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: 6

#	Description
1	RoR: ivo://irsa.ipac/registry IRSA Publishing Registry IRSAReg irsa.ipac, irsa.ipac.caltech.edu Harvested: ivo://irsa.ipac/registry IRSA Publishing Registry IRSAReg irsa.ipac, irsa.ipac.caltech.edu
2	RoR: ivo://fu-berlin.planet.hrsc/system/services/registry Planetary web services @ FUB Registry PRSFUB Reg fu-berlin.planet.hrsc Harvested: ivo://fu-berlin.planet.hrsc/system/services/registry Planetary web services @ FUB Registry PRSFUB Reg fu-berlin.planet.hrsc
3	RoR: ivo://vopdc/registry VO-Paris Data Center Publishing Registry VOPDC Registry vopdc, vopdc.iap, vopdc.obspm Harvested: ivo://vopdc/registry VO-Paris Data Center Publishing Registry PADC Registry vopdc, vopdc.iap, vopdc.obspm
4	RoR: ivo://jvo/publishingregistry JVO Publishing Registry JVO_PREG Harvested: ivo://jvo/publishingregistry JVO Publishing Registry JVO_PREG
5	RoR: ivo://archive.stsci.edu/nvoregistry STScI Searchable Registry STScIReg BASS2000, graal.fr, ia2.inaf, obelix.lambrate.inaf.it, KeckObs, anusf.anu.au, archive.eso.org, archive.noao.edu, archive.stsci.edu, arecibo.cornell, badc.naoc.cn, cvo.naoc, fr.oamp.lam, fs.usno, gcp, gov.nasa.gsfc.nssdc, lca, mast.stsci, mast.stsci.edu, msc.koa, nao.ua, nasa.gsfc.nssdc, ned.ipac, nexsci.ipac, nrao, obs-hp.fr, obs-lyon.fr, opo.stsci, sdss.fnal, sdss.jhu, svo.iaa, svo.laeff Harvested: ivo://archive.stsci.edu/nvoregistry STScI Searchable Registry STScIReg KeckObs, anusf.anu.au, archive.eso.org, archive.noao.edu, archive.stsci.edu, arecibo.cornell, badc.naoc.cn, cvo.naoc, fr.oamp.lam, fs.usno, gcp, gov.nasa.gsfc.nssdc, lca, mast.stsci, mast.stsci.edu, msc.koa, nao.ua, nasa.gsfc.nssdc, ned.ipac, nexsci.ipac, nrao, obs-hp.fr, opo.stsci, sdss.fnal, sdss.jhu, svo.iaa, svo.laeff
6	RoR: ivo://tohoku.univ.jp/system/services/registry Iitate Radio Data Server Registry Tohoku Reg tohoku.univ.jp Harvested: ivo://tohoku.univ.jp/system/services/registry Tohoku University VO Server Registry Tohoku Reg tohoku.univ.jp
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Registry Anomalies Report (ROR-HRV-02)

- ESAVO Registry updated manually
- Action to be taken:
- Is it possible to manually update the 6 registry resources on RofR?



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: 5

#	Description
1	ivo://au.csiro/org.astrogrid.registry.RegistryService https://data.csiro.au:443/astrogrid-registry/OAIHandlerv1_0?
-	_int.esa.esavo.common.PersistentHTTPConnectivityException
2	ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService http://msslkk.mssl.ucl.ac.uk/mssl-
4	registry/OAIHandlerv1_0 org.xml.sax.SAXParseException
3	ivo://fu-berlin.planet.hrsc/system/services/registry http://vespa-redirect.obspm.fr/fu_berlin/oai.xml
_	_int.esa.esavo.common.Http5xxServerError
4	ivo://chivo-lirae/system/services/registry http://endpoint.chivo.cl/oai.xml org.xml.sax.SAXParseException
5	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService
-	http://msslkk.mssl.ucl.ac.uk/registry_leicester/OAIHandlerv1_0 org.xml.sax.SAXParseException

Registry Anomalies Report (SG-01)



		We are working on i	
#	Description		
1	ivo://au.csiro/org.astrogrid.registry.RegistryService https://d registry/OAIHandlerv1_0? _int.esa.esavo.common.Persisten		SSL error
2	ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService ht registry/OAIHandlerv1_0 org.xml.sax.SAXParseException	tp://msslkk.mssl.ucl.ac.uk/mssl-	404 Not Found
3	ivo://ar.nova/system/services/registry http://nova.iafe.ul _int.esa.esavo.common.Http5xxServerError		503 Service Unavailable
4	ivo://fu-berlin.planet.hrsc/system/services/registry http: redirect.obspm.fr/fu_berlin/oai.xml _int.esa.esavo.common.l	Http5xxServerError	503 Service Unavailable
5	ivo://chivo-lirae/system/services/registry http://endpoin org.xml.sax.SAXParseException	t.chivo.cl/oai.xml	401 Unauthorized
6	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService http://msslkk.mssl.ucl.ac.uk/registry_leicester/OAIHandlerv1 org.xml.sax.SAXParseException	_0	404 Not Found





Server Down History (HTTP status codes: 404 or 503)

Report Date	http://msslkk.mssl.ucl.ac.uk/ms	http://nova.iafe.uba.ar/oai.xml	http://vespa-	http://msslkk.mssl.ucl.ac.uk/registr
	sl-registry/OAIHandlerv1_0		redirect.obspm.fr/fu_berlin/oai.xml	y_leicester/OAIHandlerv1_0
October-17	ON	ON	ON	ON
November-17	ON	ON	ON	ON
December-17	ON	OFF	OFF	ON
January-18	ON	ON	OFF	ON
February-18	OFF	OFF	OFF	OFF
March-18	OFF	OFF	OFF	OFF
April-18	OFF	OFF	OFF	OFF
May-18	OFF	ON	OFF	OFF

Action to be taken:

Some of the Services have not been responding for more than 4 months continuously... Should we remove them?



Registry Warnings Report



warning	Oct 2017	May 2018
RORW-01 :: Common managed authority	0	1
RORW-02 :: Common managed authority prefix	0	1
RORW-11 :: Identifier in OAI-PMH namespace	7	0
RORW-12 :: A registry doesn't contain a 'shortName' field	7	4
HRVW-01 :: Common managed authority prefix	1	1
HRVW-02 :: A registry doesn't contain a 'shortName' field	9	6
HRVW-03 :: A registry is not declared as a harvestable registry	3	3
	27	16

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

Registry Warnings Report (RORW-01 &RORW-02)



RORW-01 :: Common managed authority

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

Anomaly count: 1

 #
 Description

 1
 Registries 'ivo://archive.stsci.edu/nvoregistry' and 'ivo://esavo/registry' contain 3 common managed authorities: ia2.inaf, obelix.lambrate.inaf.it, graal.fr

RORW-02 :: Common managed authority prefix

 Two different registry records as retrieved from the RoR share a common mand

 Anomaly count: 1
 The esavo was updated on

 Megistries 'ivo://archive.stsci.edu/nvoregistry' and 'ivo://esavo/reg

 1
 Registries 'ivo://archive.stsci.edu/nvoregistry' and 'ivo://esavo/reg

 1
 Registries in 2 families: ia2.inaf~ia2.inaf.it, graal.fr~graal

Action to be taken: update of STSCI registry resource on RofR.

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HRVW-01 :: Common managed authority prefix

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

Anomaly count: 1

ſ	#	Description
		Registries 'ivo://chivo/system/services/registry' and 'ivo://chivo-lirae/system/services/registry' 1
ľ		common managed authority prefix in 1 family: chivo~chivo-lirae

Actions to be taken:

- Update the resources
- Then update also the registry resources on RofR.



Registry Warnings Report (RORW-12 &HRVW-02)



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

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

Anomaly count: 6

Updates needed from their respective publishing registries.

#	Description		
1	ivo://purx/rr/q/create		1
2	ivo://org.gavo.dc/rr/q/create	The services are down,	
3	ivo://sao.ru/org.astrogrid.registry.RegistryService	these are old data.	
	ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService		
5	ivo://wfau.roe.ac.uk/org.astrogrid.registry.RegistryService		
6	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService		

RORW-12 :: 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://wfau.roe.ac.uk/org.astrogrid.registry.RegistryService
3	ivo://sao.ru/org.astrogrid.registry.RegistryService
4	ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService

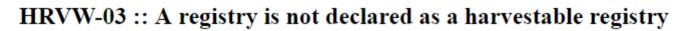
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Then... update the

resources on RofR



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

Anomaly count: 3

#	Description
1	ivo://purx/rr/q/create
2	ivo://org.gavo.dc/rr/q/create
3	ivo://jvo/publishingregistry

Actions to be taken:

- Update the resources
- Then update also the registry resources on RofR.

Overall status and next steps 1/2

Still some work to do:

- Continue cleaning up all the anomalies
 - Remaining updates on Registries: not needed
 - Modifications done in the Registries resources should also be updated in the RofR.
 - ROR-HRV-01 :: A registry record was harvested that was not also found in the RoR
 - ROR-HRV-02 :: OAI-PMH / RoR registry info discrepancy
- Continue cleaning up all the warnings
 - Remaining updates on Registries
 - HRVW-01 :: Common managed authority prefix
 - HRVW-02 :: A registry doesn't contain a 'shortName' field
 - HRVW-03 :: A registry is not declared as a harvestable registry
 - Then Update the resources on RofR



Overall status and next steps 2/2



- Remove the registries which are not responding (or try to contact them?)
 - ivo://fu-berlin.planet.hrsc/__system__/services/registry
 <u>http://vespa-redirect.obspm.fr/fu_berlin/oai.xml</u>
 - ivo://mssl.ucl.ac.uk/org.astrogrid.registry.RegistryService
 <u>http://msslkk.mssl.ucl.ac.uk/mssl-registry/OAIHandlerv1_0</u>
 - ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService
 <u>http://msslkk.mssl.ucl.ac.uk/registry_leicester/OAIHandlerv1_0</u>

