

EuroVO service compliance statistics

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each service access URL is validated against a vector of pass/fail criteria

```
SELECT criterion_type, description FROM vo_curation.validation_criterion WHERE cap_type='cs:ConeSearch';
```

```
-----  
REQUIREMENT | The service is ON  
REQUIREMENT | The zero response is well-formed XML  
EXTRA | The zero response is XSD-valid XML  
REQUIREMENT | The MIME type of the zero response has a legal value ('text/xml', 'text/xml;content=x-vo  
RECOMMENDATION | The MIME type of the zero response has the recommended value ('text/xml')  
WARNING | The MIME type of the zero response is not the optional value ('text/xml;content=x-votabl  
RECOMMENDATION | The MIME type of the zero response is not the strongly discouraged value ('text/xml;vota  
REQUIREMENT | The effective response is well-formed XML  
EXTRA | The effective response is XSD-valid XML  
REQUIREMENT | The MIME type of the effectie response has a legal value ('text/xml', 'text/xml;content=  
RECOMMENDATION | The MIME type of the effective response has the recommended value ('text/xml')  
WARNING | The MIME type of the effective response is not the optional value ('text/xml;content=x-v  
RECOMMENDATION | The MIME type of the effective response is not the strongly discouraged value ('text/xml  
REQUIREMENT | The service must respond with an XML document in the VOTable format [for the zero URL]  
REQUIREMENT | The service must respond with an XML document in the VOTable format [for the effective U  
REQUIREMENT | The zero response contains no data  
REQUIREMENT | The effective response has to contain some data  
REQUIREMENT | The VOTable MUST comply with these conditions: [...] Exactly one FIELD must have ucd='ID  
REQUIREMENT | The VOTable MUST comply with these conditions: [...] Exactly one FIELD must have ucd='PO  
REQUIREMENT | The VOTable MUST comply with these conditions: [...] Exactly one FIELD must have ucd='PO  
REQUIREMENT | no INFO elements with @name='Error' should appear in the zero response  
REQUIREMENT | no INFO elements with @name='Error' should appear in the effective response  
REQUIREMENT | In the case of error, the service MUST respond with a VOTable that contains a single PAR  
(23 rows)
```

Compliance category concept



mappings

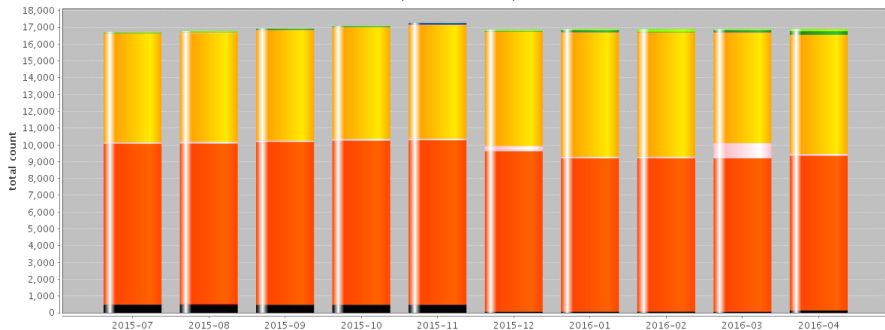
- A++ no criterion fails
- A+ no requirement, warning or recommendation fails
 - A no requirement or warning fails, but at least one recommendation fails
 - B no requirement fails, but at least one warning fails
 - C at least one (1) requirement fails, but at least one (1) requirement equally succeeds
 - C- at least two (2) requirements fails, but at least one (1) requirement equally succeeds
 - C- at least three (3) requirements fails, but at least one (1) requirement equally succeeds
 - D all requirements fail but some other criterion (of lesser importance) succeeds
 - E no criterion succeeds

mappings (simplified)

- **compliant**
no requirement fails
- **partially compliant**
some (but not all) requirements fail
- **not compliant**
all requirements fail

Cone Search (complex ranking)

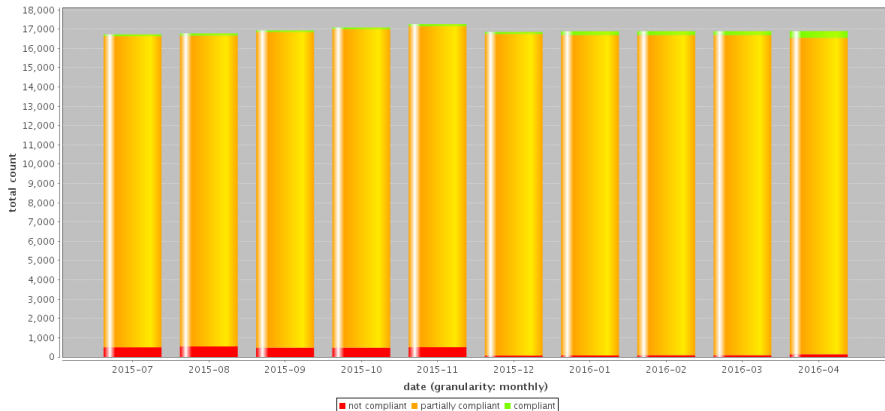
all repos, SCS compliance category distribution over time
2015-03-31+2016-04-27 (Z#=2178173) (oops 1+137 | 2015-07-24+2016-04-07)
total @ earliest timepoint with actual data: 69, @ latest: 16898



■ E:no criterion succeeds ■ D:all requirements fail but some other criterion (of lesser importance) succeeds ■ C--:at least three (3) requirements fails, but at least one (1) requirement equally succeeds
■ C-:at least two (2) requirements fails, but at least one (1) requirement equally succeeds ■ C:at least one (1) requirement fails, but at least one (1) requirement equally succeeds
■ B:no requirement fails, but at least one warning fails ■ A:no requirement or warning fails, but at least one recommendation fails ■ A+:no requirement, warning or recommendation fails
■ A++:no criterion fails

Cone Search (simplified)

all repos, SCS compliance category distribution over time
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simplified ranking option at the report production

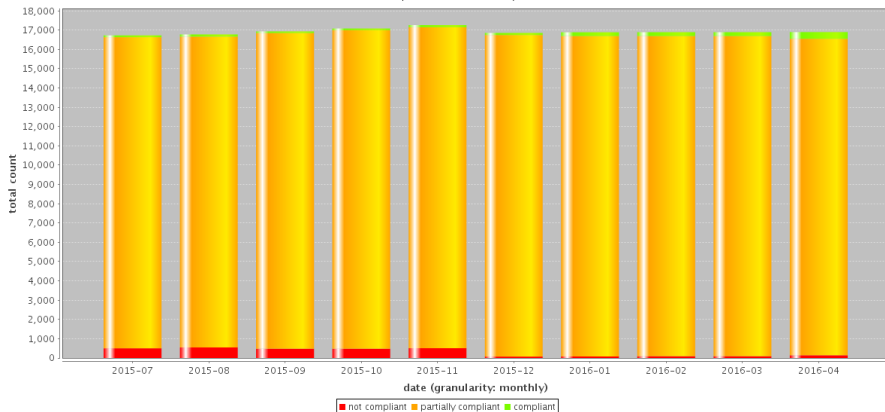
The screenshot shows a web browser window at the URL `registry.euro-vo.org/eurovo/#report_page`. The page header features the 'EURO VO' logo. Below the header is a navigation menu with buttons for 'Population Evolution', 'Unused MAs In Harvests', 'Service Compliance', 'Registry Anomalies', 'Wrong MAs In Harvests', and 'Resource Population'. The main content area is titled 'Data Configuration' and includes a sub-tab for 'Stylistic Configuration'. The configuration fields are as follows:

Registry	any	Service Type:	Simple Cone Search
date from:	2016 April 23	Granularity:	Daily
date upto:	2016 May 8	Simplified:	<input checked="" type="checkbox"/>

At the bottom of the configuration section, there are two buttons: 'Produce Report' and 'Download report data in CSV'. A pink oval highlights the 'Simplified' checkbox, which is checked.

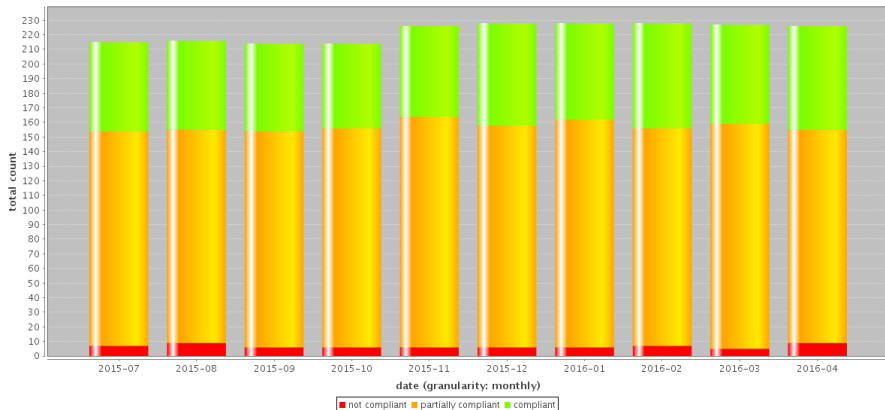
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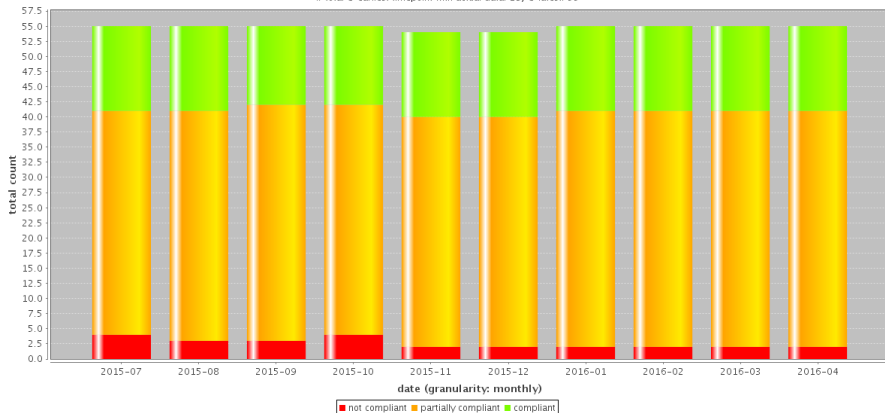
Simple Image Access (simplified)

all repos, SIA compliance category distribution over time
2015-03-31→2016-04-27 (Σ#-25697) (loops 1→137 | 2015-07-24→2016-04-07)
total @ earliest timepoint with actual data: 30, @ latest: 227



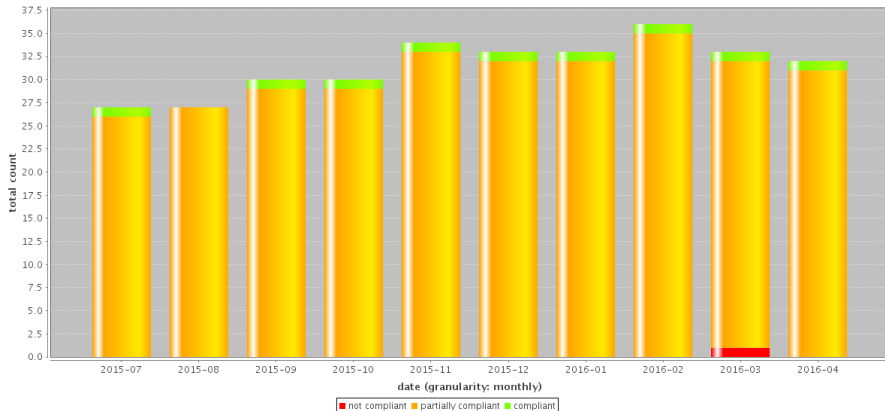
Simple Spectral Access (simplified)

all repos, SSA compliance category distribution over time
2015-03-31+2016-04-27 (Σ#=6848) (loops: 1+137 | 2015-07-24+2016-04-07)
total @ earliest timepoint with actual data: 29, @ latest: 55



TAP (simplified)

all repos, TAP compliance category distribution over time
2015-03-31→2016-04-27 (Σ# = 4936) (loops: 1→137 | 2015-07-24→2016-04-07)
total @ earliest timepoint with actual data: 23, @ latest: 40



- sui-generis anomalies report
- harvests with wrong managed authorities
- full harvests with unused managed authorities




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](#), [R11](#) 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@sclops.esa.int

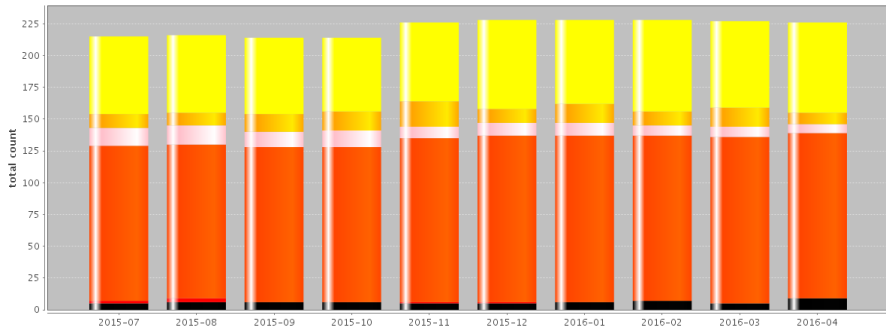


The End.

Back-up slides

Simple Image Access

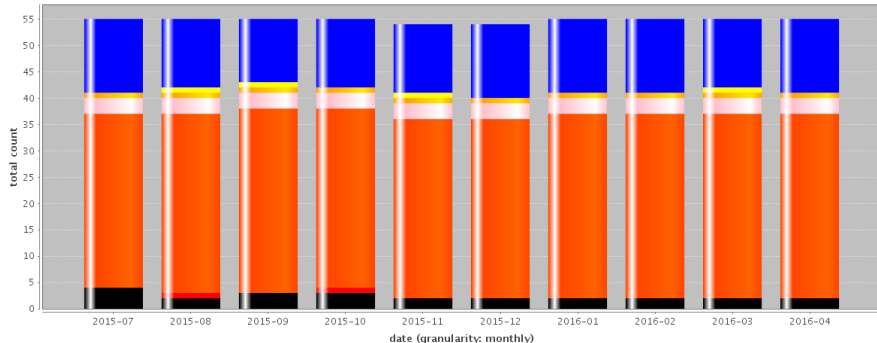
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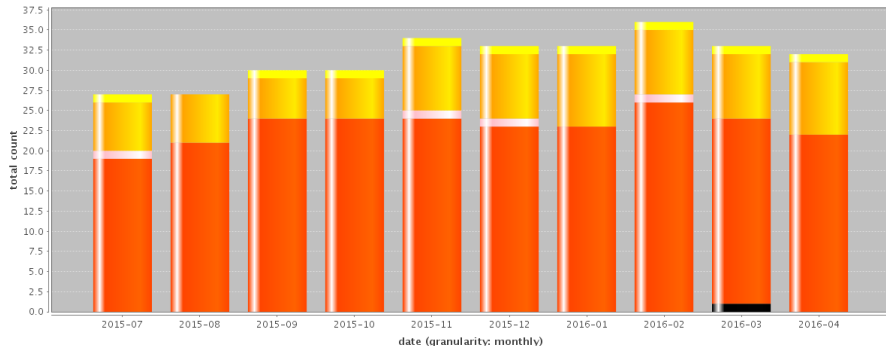
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