

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

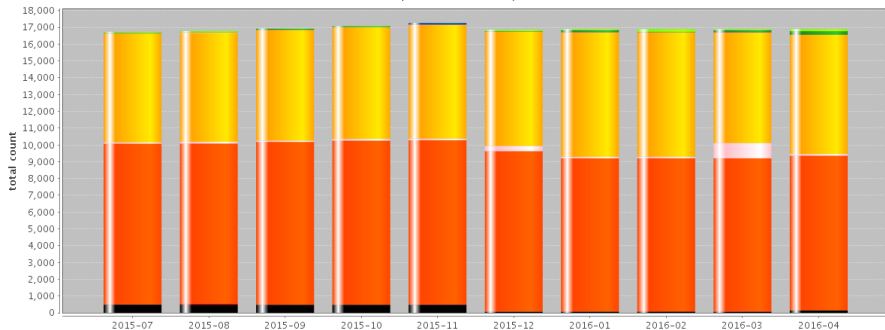
- A++ no criterion fails
- A+ no requirement, warning or recommendation fails
 - A no requirement or warning fails, but at least one recommendation fails
 - B no requirement fails, but at least one warning fails
 - C at least one (1) requirement fails, but at least one (1) requirement equally succeeds
 - 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)

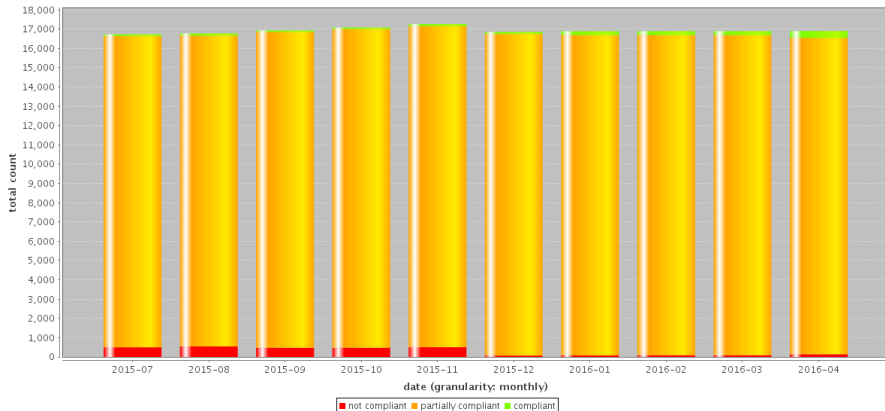
all repos, SCS compliance category distribution over time
2015-03-31+2016-04-27 (Z#=2178173) (oops 1+137 | 2015-07-24+2016-04-07)
total @ earliest timepoint with actual data: 69, @ latest: 16898



■ 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)

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2015-03-31→2016-04-27 (Σ#=2178173) (oops:1→137 | 2015-07-24→2016-04-07)
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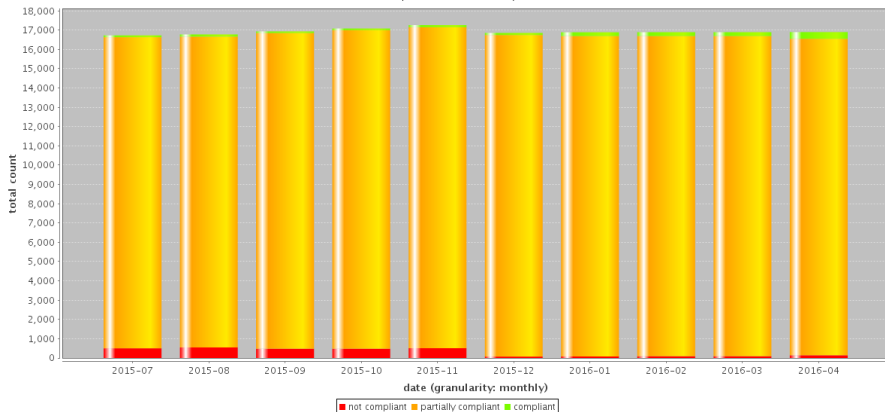


simplified ranking option at the report production

The screenshot shows a web browser window at the URL `registry.euro-vo.org/eurovo/#report_page`. The page features the EuroVO logo at the top. Below the logo is a navigation menu with several options: Population Evolution, Unused MAs In Harvests, Service Compliance, Registry Anomalies, Wrong MAs In Harvests, and Resource Population. The 'Data Configuration' section is active, showing a 'Data Configuration' tab and a 'Stylistic Configuration' tab. The 'Data Configuration' section includes the following fields: Registry (any), date from (2016 April 23), date upto (2016 May 8), Service Type (Simple Cone Search), Granularity (Daily), and Simplified (checked). The 'Simplified' checkbox is highlighted with a pink oval. At the bottom of the configuration section, there are two buttons: 'Produce Report' and 'Download report data in CSV'.

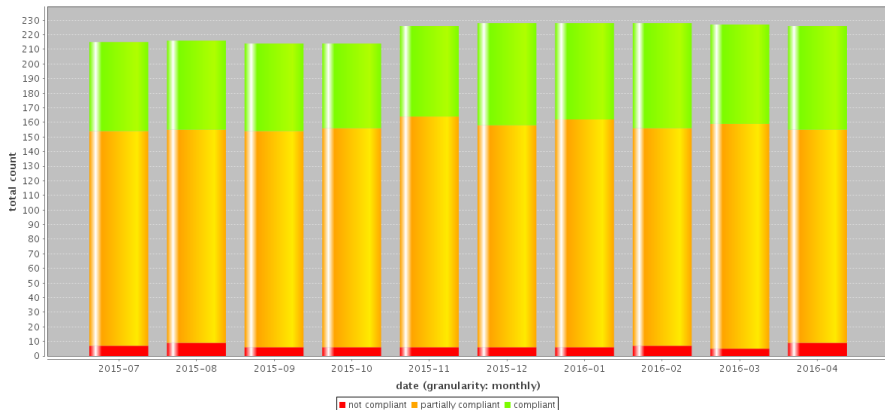
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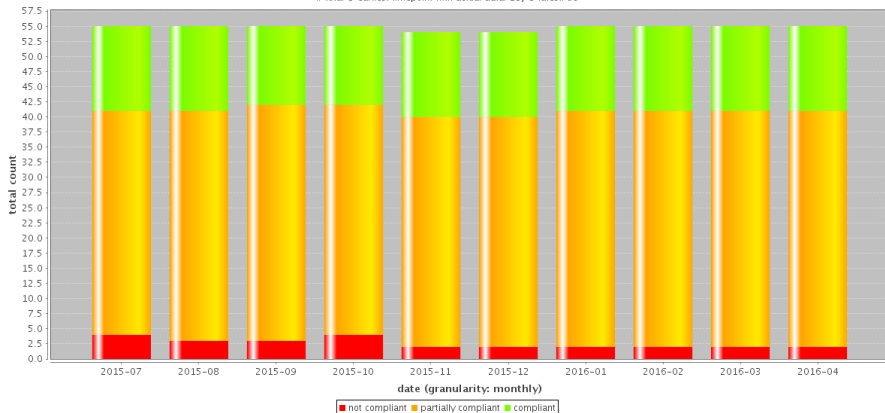
Simple Image Access (simplified)

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



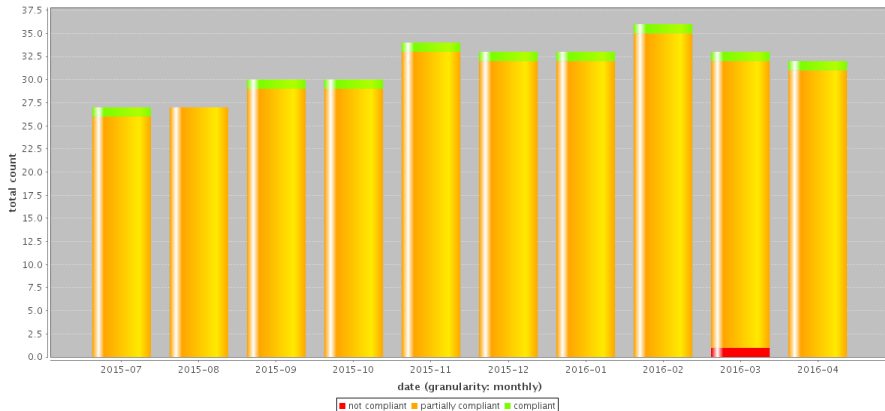
Simple Spectral Access (simplified)

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



- Registry Anomalies Report
- Unused managed authorities in full harvests
- Wrong managed authorities in harvests




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:

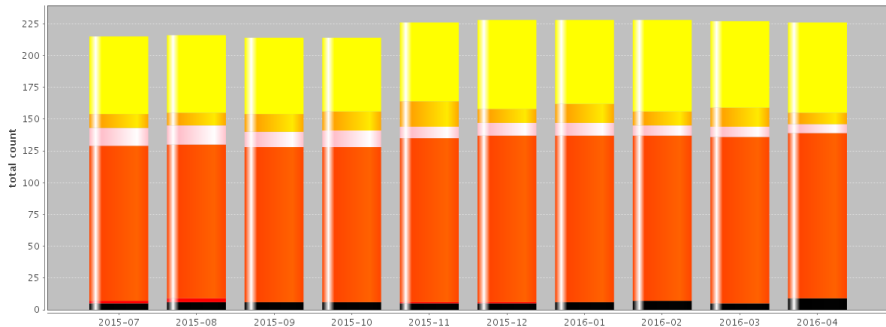
esavo.registry@sclops.esa.int

The End.

Back-up slides

Simple Image Access

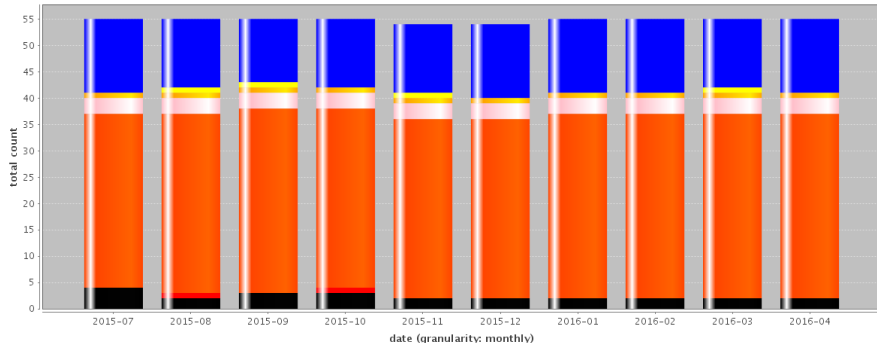
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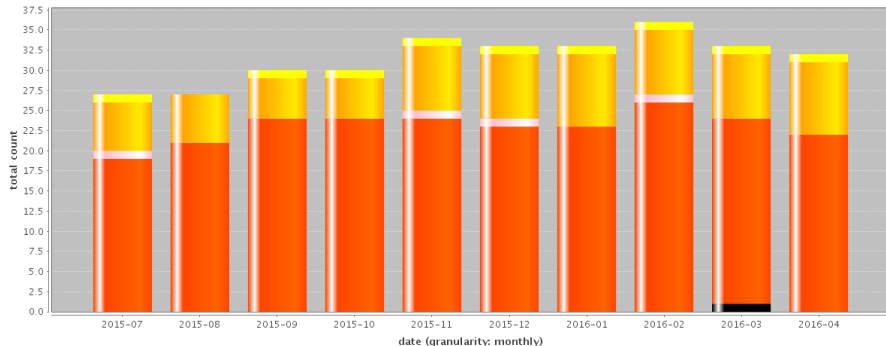
Simple Spectral Access

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