

# Regisry curation

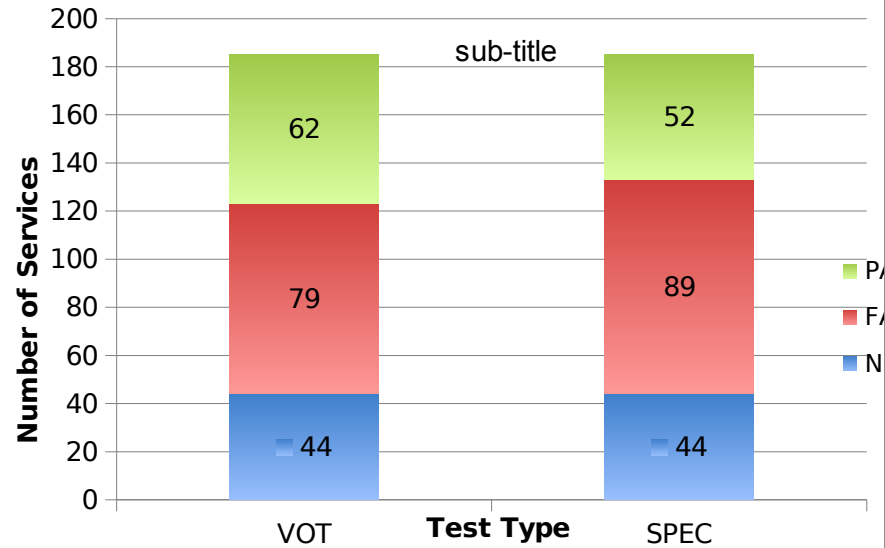
<http://voparis-validation.obspm.fr/>

Renaud Savalle  
Pierre Le Sidaner  
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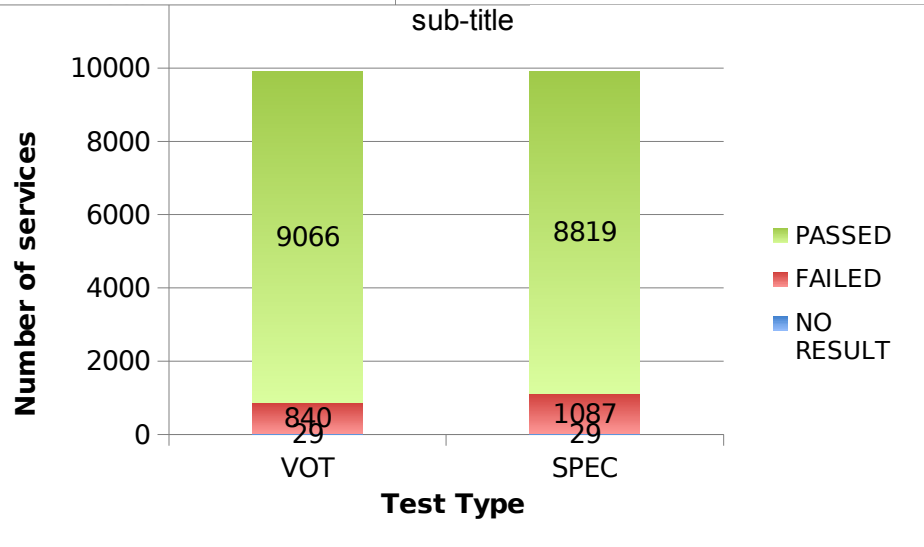
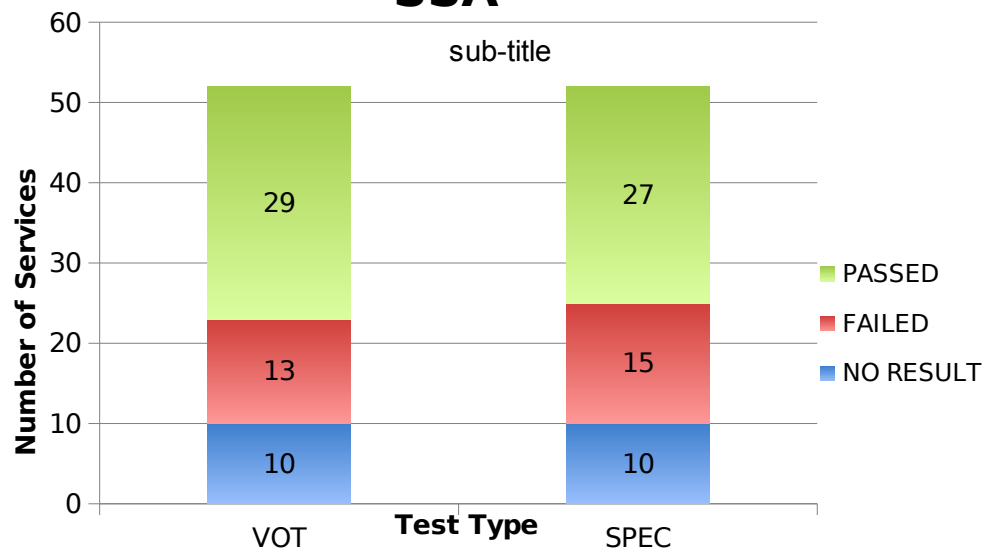
# Statistics

Based on voparis registry and voparis validator

## SIA



## SSA



# Context

## How to clean registry

- We have start to extract non responsive services for more than 30 days**
- We have contact all service maintainer**
- Long way to go**

# Usual problems

## Resource undeleted (fixed since)

- <ivo://archive.stsci.edu/dss/dss2infrared>
- <ivo://archive.stsci.edu/dss/dss2>
- <ivo://archive.stsci.edu/dss/dss2red>
- <ivo://archive.stsci.edu/dss/dss2blue>
- <ivo://ia2.inaf/TNG/SIA>
- [ivo://fr.oamp.lam/ssa/cencos-vvds\\_deep](ivo://fr.oamp.lam/ssa/cencos-vvds_deep)
- <ivo://iap.fr/FUSE/SSA>
- <ivo://obspm.fr/cai/ESOR>
- <ivo://basebe.obspm.fr/gepi>
- <ivo://basebe.obspm.fr>
- <ivo://basebe.obspm.fr/bess0.1> <ivo://anusf.anu.au/macho/image/SIAP>
- <ivo://castor/castor/ssap/V2>

# Usual problems

## ❑ Strange behaviour parameters size not accepted in float (taken by Theresa)

- **ivo://sdss.jhu/services/SIAPDR2-U**
- **ivo://sdss.jhu/services/SIAPDR1-Z**
- **ivo://sdss.jhu/services/SIAPDR3-I**
- **ivo://sdss.jhu/services/SIAPDR3-U**
- **ivo://sdss.jhu/services/SIAPDR3-R**
- **ivo://sdss.jhu/services/SIAPDR4-Color**
- **ivo://sdss.jhu/services/SIAPDR3-Color**
- **ivo://sdss.jhu/services/SIAPDR1-I**
- **ivo://sdss.jhu/services/SIAPDR1-R**
- **ivo://sdss.jhu/services/SIAPDR1-Color**
- **ivo://sdss.jhu/services/SIAPDR2-I**
- **ivo://sdss.jhu/services/SIAPDR2-G**
- **ivo://sdss.jhu/services/SIAPDR4-images**
- **ivo://sdss.jhu/services/SIAPDR2-R**
- **ivo://sdss.jhu/services/SIAPDR2-Color**
- **ivo://sdss.jhu/services/SIAPDR3-G**
- **ivo://sdss.jhu/services/SIAPDR1-U**
- **ivo://sdss.jhu/services/SIAPDR5-images**
- **ivo://sdss.jhu/services/SIAPDR2-Z**
- **ivo://sdss.jhu/services/SIAPDR3-Z**
- **ivo://sdss.jhu/services/SIAPDR1-G**

# Usual problems

## ❑ Missing ? At the end, error response not votable (Yuji take care)

- `ivo://jvo/subaru/hds`
- `ivo://jvo/subaru/sxds/v1.0`
- `ivo://jvo/subaru/spcam`

### Unsupported SIAP version : 1.0

- `ivo://jvo/irsf`
- `ivo://jvo/subaru/spcam/imagecutout`

# Usual problems

## Non responding services => action to exec

**ivo://archive.noao.edu/nsa**

**address has permanent fatal error and we have email the contact already in 2012 and 2013**

**ivo://rvo.ru/images/saisnlight**

**a mail was already sent in in 2012 / doesn't seem to be maintained**

**ivo://byurakan.oact.inaf.it/DFBS/siap (Marco take care)**

**a mail was already sent in 2013 / service must have moved elsewhere**

**ivo://svo.iaa/models/SSP/general**

**A mail was already sent in 2013 / impossible to reach the server**

**ivo://rvo.ru/images/opt\_ns**

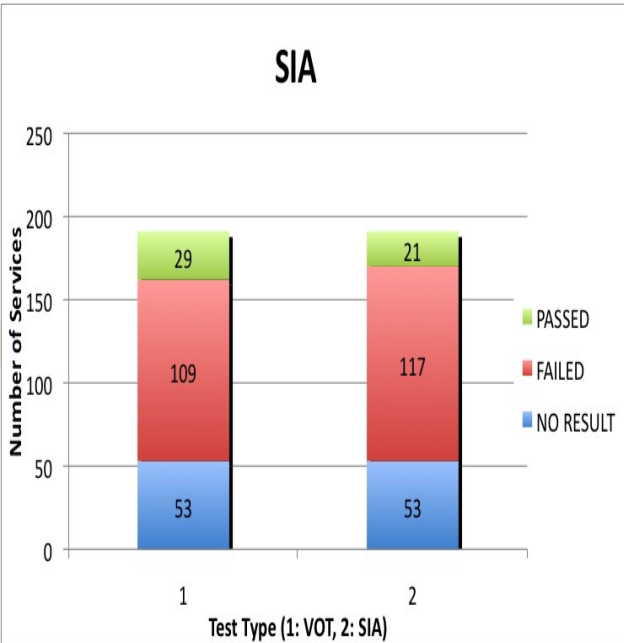
**A mail was already sent in 2013 / it's a web page not a SIA**

**ivo://svo.iaa/models/SSP/general**

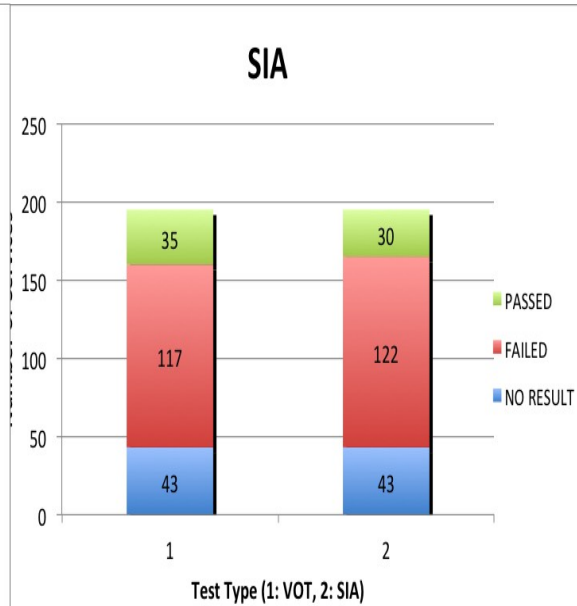
**A mail was already sent in 2013**

**the machine is not even in the DNSivo://rvo.ru/images/opt\_ns**

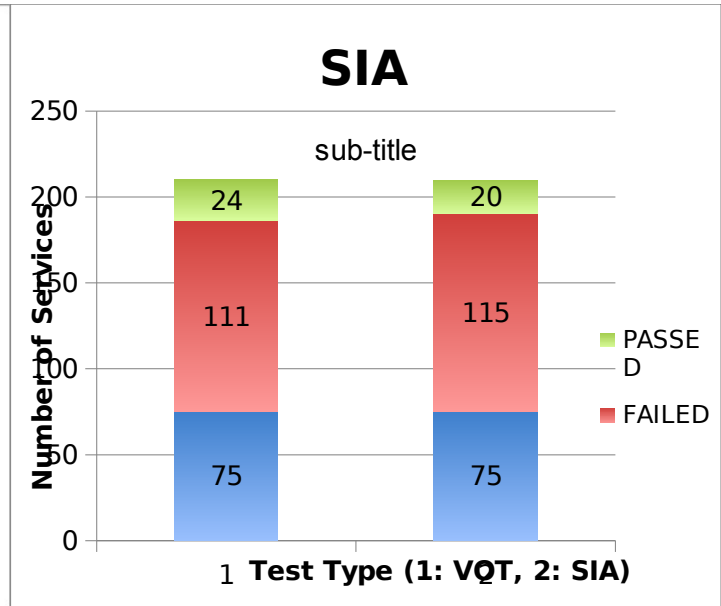
# Results 06/2011 -> Today



06/2011

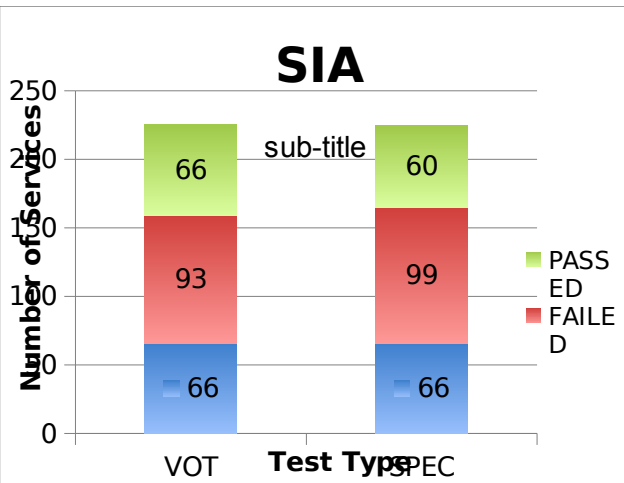


05/2012

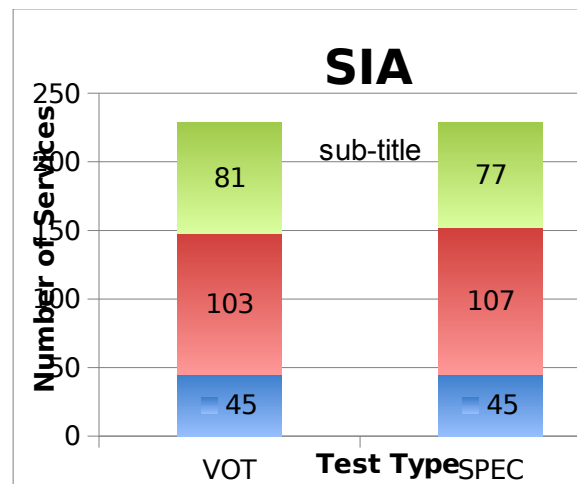


10/2012

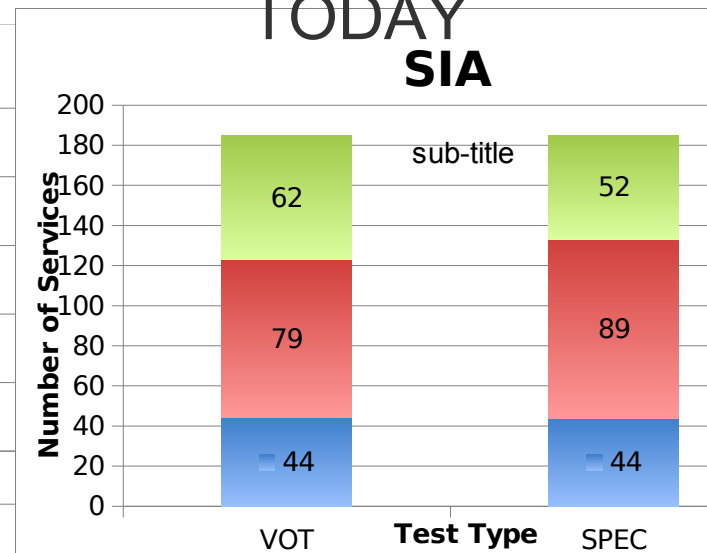
TODAY



05/2013

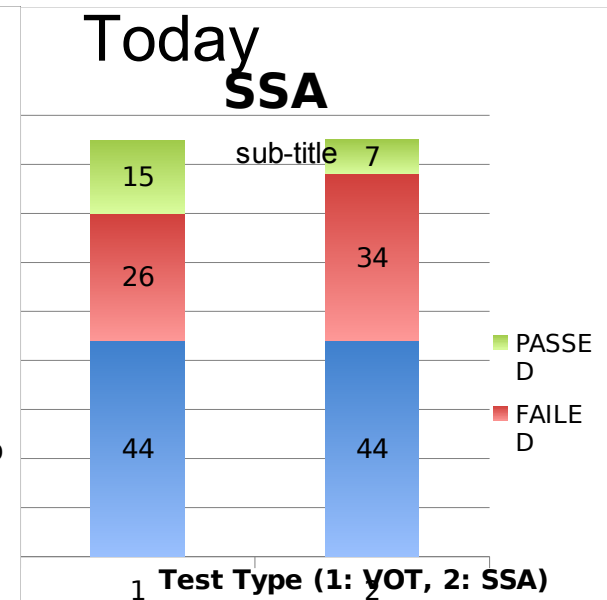
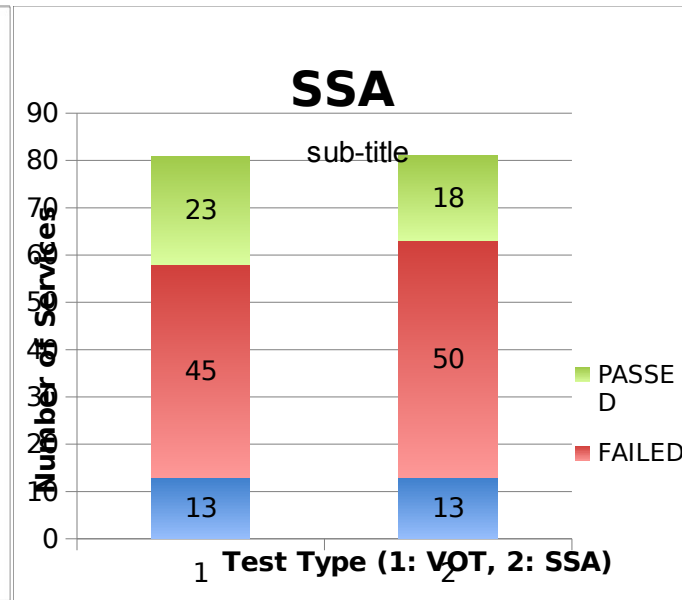
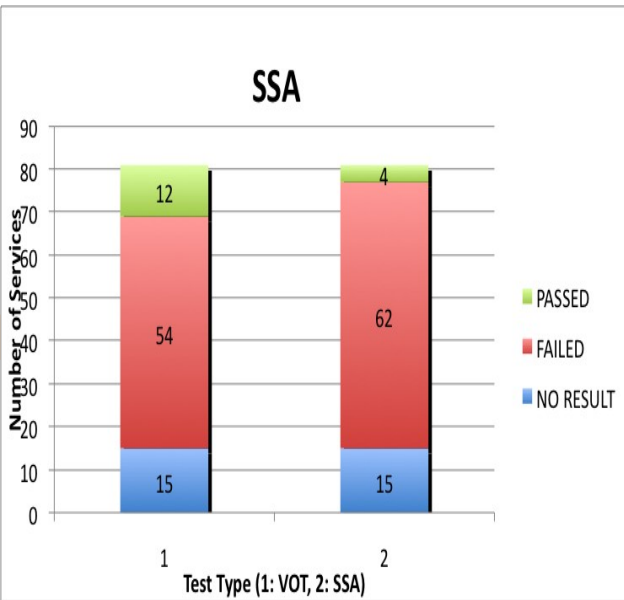


10/2013



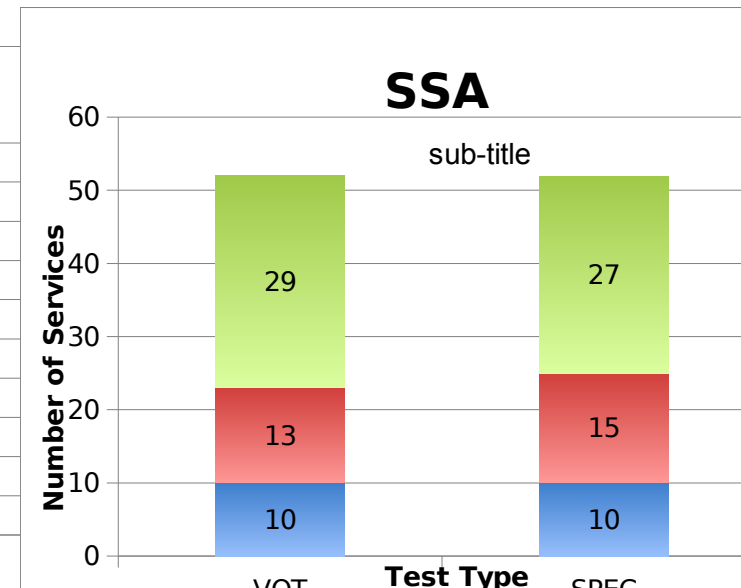
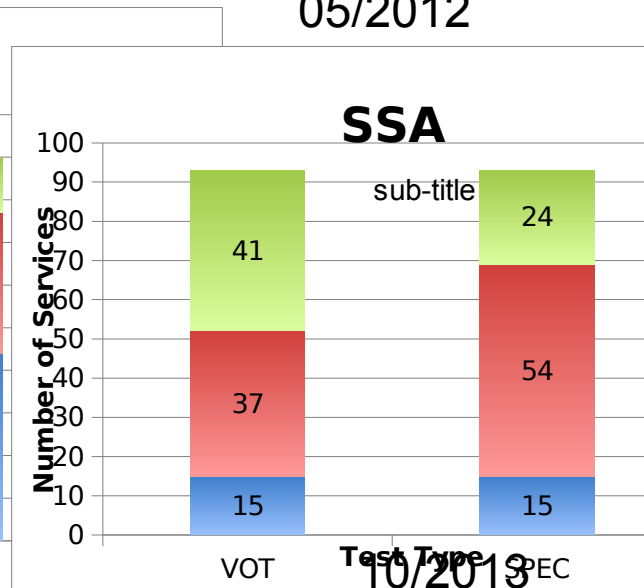
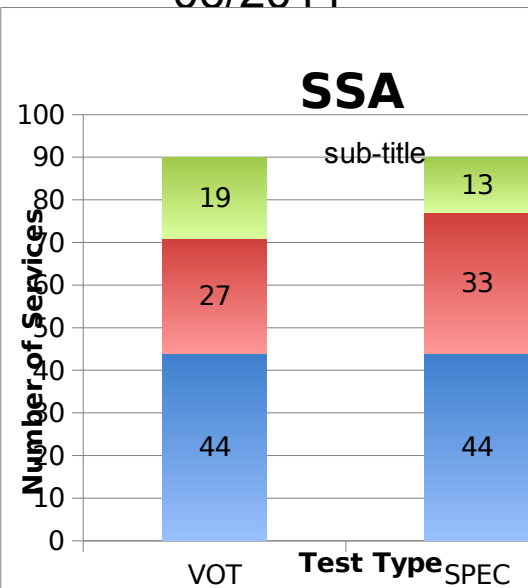


# Result 06/2011 -> 05/2012



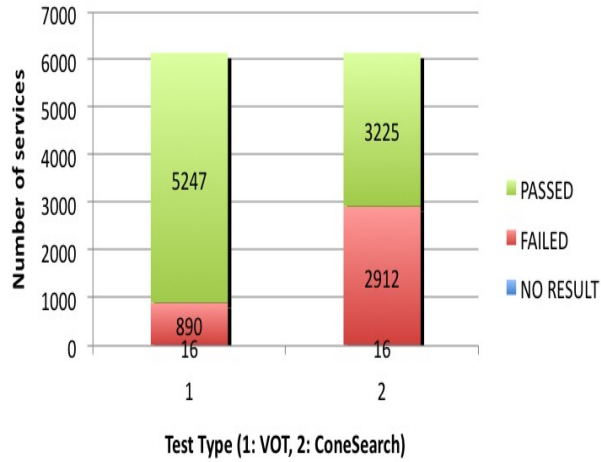
06/2011

05/2012



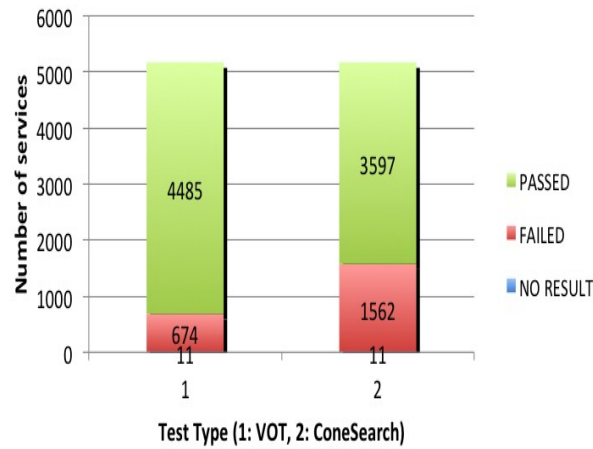
10/2013

## ConeSearch



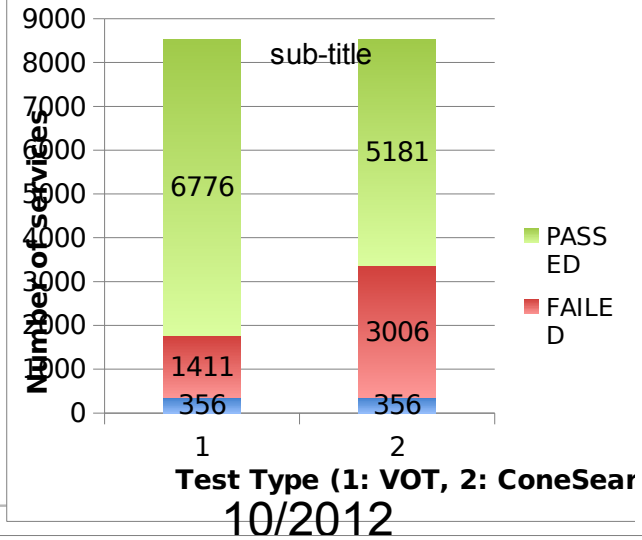
06/2011

## ConeSearch



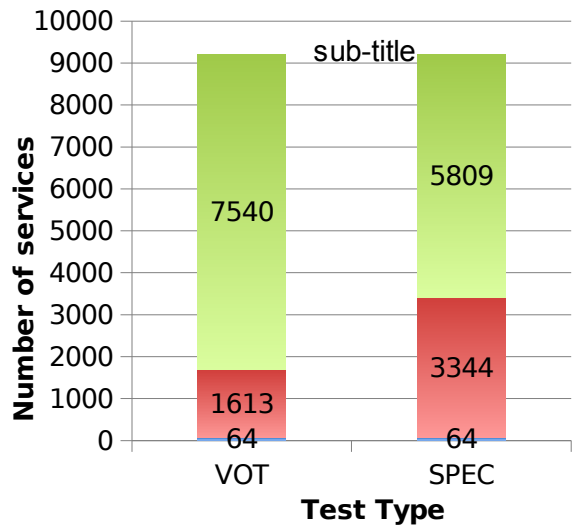
05/2012

## ConeSearch



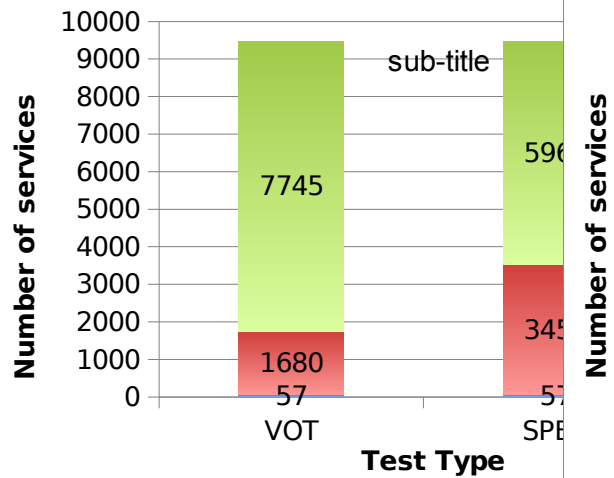
10/2012

## ConeSearch



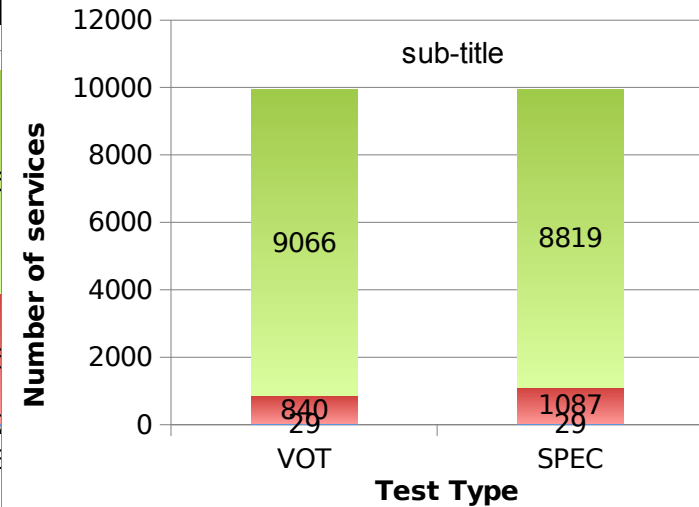
05/2013

## ConeSearch



10/2013

## ConeSearch



**❑ Cumulative result are available at**

<http://voparis-validation.obspm.fr/registry-load2.php>

**❑ Resources URL are taken in ESAC Astrogrid at the beginning and now only voparis registry**

**❑ Cumulation of “same status” in validation by testing every day since X days**

# Comment on evolution

## ❑ Action made on curation

- \* Mails to resources contact to ask for correction on services or registry declaration.
- \* We are only efficient if contact is responsive
- \* Action can only be made by hand specifying the type of requirement to the provider
- \* First time EXEC asked to statue on services

❑ It's a long way to GO. We hope to have significant result next interop

❑ We are : R. Savalle & P Le Sidaner coupled with G. Green T. Dower, M. Demleitner, R. Plante

# Registry consistency

- ❑ **VOPARIS registry use ROR as basis and make regular full harvesting.**
- ❑ **Resources registered twice at different places are removed.**

# Registry evolution

- ❑ **Action on data provider have effect up to a certain point**
- ❑ **Validator should be mandatory in the registry declaration**
- ❑ **Full searchable should make full harvesting by time to time (On the way)**
- ❑ **VOResources insides publishing are not valid ! See <http://rofr.ivoa.net/regvalidate/regvalidate.html>**

**See example after**

# Problem on Harvesting

- ❑ **Some (2) registry have really badly field declaration**
- ❑ **2 resources are declared twice**
- ❑ **14620 actives resources**
- ❑ **2 registries not responding since a long time**

# Registry evolution

- ❑ Action on data provider have effect up to a certain point
- ❑ Validator should be mandatory in the registry declaration and done by time to time
- ❑ Full searchable should make full harvesting by time to time

**VOResources insides publishing are not valid ! See**  
<http://rofr.ivoa.net/regvalidate/regvalidate.html>

**list of registry**

**<http://rofr.ivoa.net/cgi-bin/listPublishers.py>**

**See example after**



# Example of Registry validation

IVOA Identifier	results	status	Failed Tests	Warnings	Recommendations
ivo://jvo/sdss/dr6/catalog	V   R	deleted	3	0	0
ivo://jvo/alma	V   R	active	4	0	0
ivo://jvo/saga	V   R	active	4	0	0
ivo://jvo/subaru/hds	V   R	active	5	0	0
ivo://jvo/subaru/sxds/v1.0	V   R	active	6	0	0
ivo://jvo/sdss/dr8/catalog	V   R	active	4	0	0
ivo://jvo/isas/akari_dr1	V   R	active	3	0	0
ivo://jvo/subaru/spcam	V   R	active	8	0	0
ivo://jvo/sdss/dr2/spectrum	V   R	active	4	0	0
ivo://jvo/vizieer/J/AJ/99/1831	V   R	deleted	3	0	0
ivo://jvo/henry_draper	V   R	active	3	0	0
ivo://jvo/publishingregistry	V   R	active	0	0	0
ivo://jvo/rosat	V   R	active	4	0	0
ivo://jvo/vizieer/J/AJ/121/318	V   R	deleted	3	0	0
ivo://jvo/vizieer/J/ApJ/628/729	V   R	deleted	3	0	0
ivo://jvo	V   R	active	0	0	0
ivo://jvo/agn	V   R	active	4	0	0
ivo://jvo/vizieer/J/ApJS/120/265	V   R	deleted	3	0	0
ivo://jvo/subaru/moircs	V   R	active	5	0	0
ivo://jvo/ukidss	V   R	active	4	0	0