



PADC VO

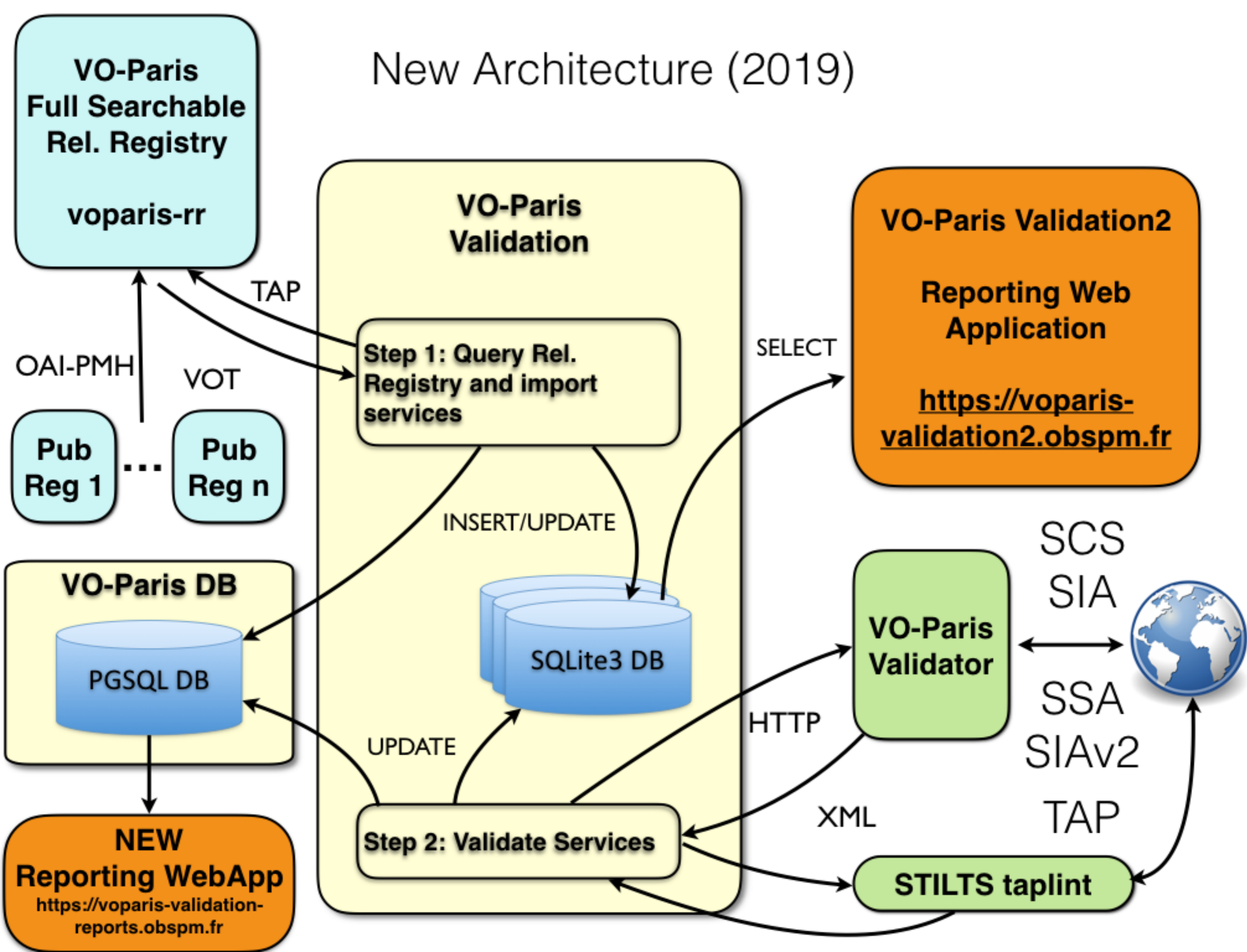
Weather Report

Renaud Savalle and Pierre Le Sidaner

PADC, Observatoire de Paris, France

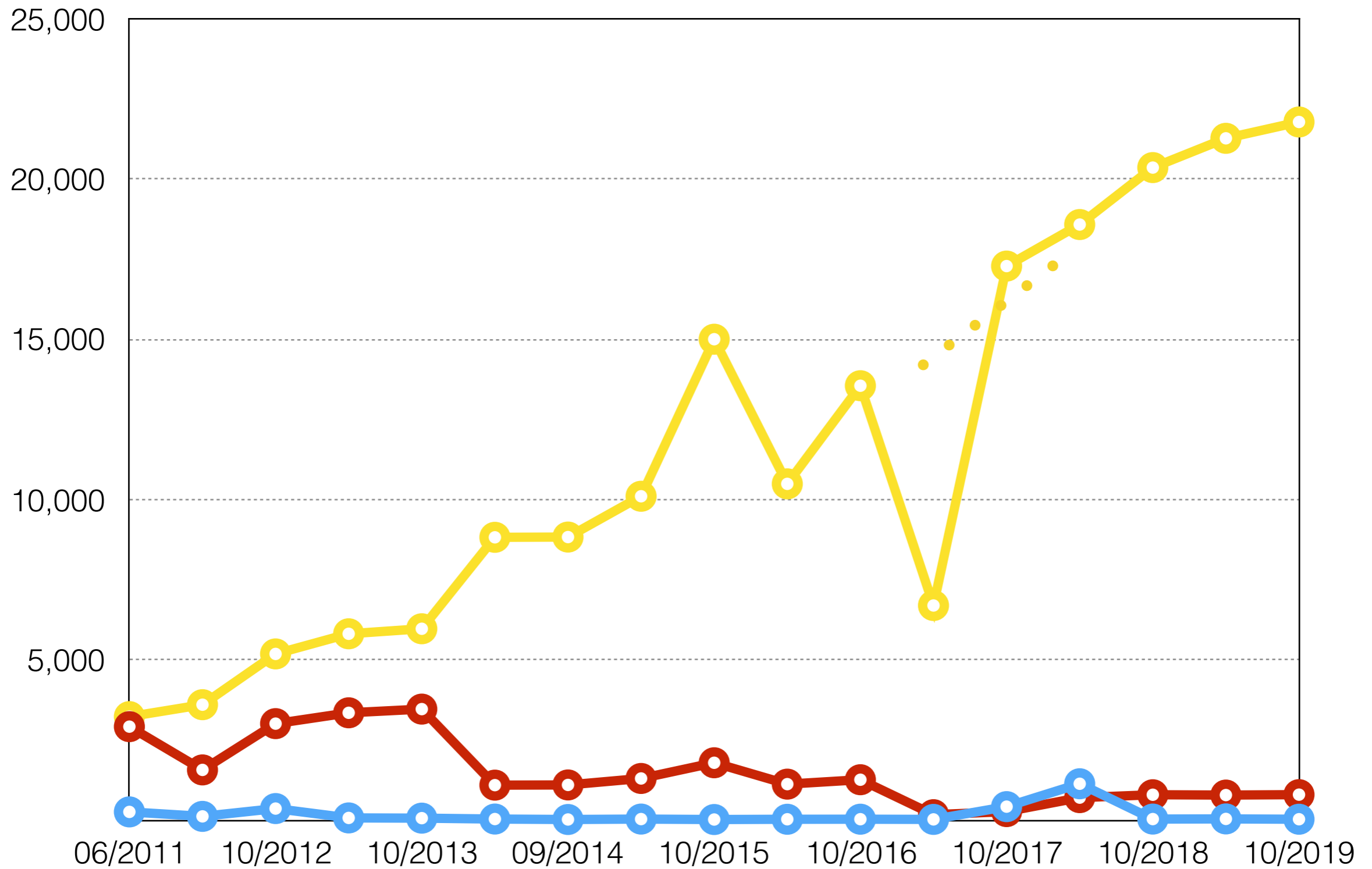
IVOA Interop Meeting - Groningen - 2019-10-12 - Operations IG

New Architecture (2019)



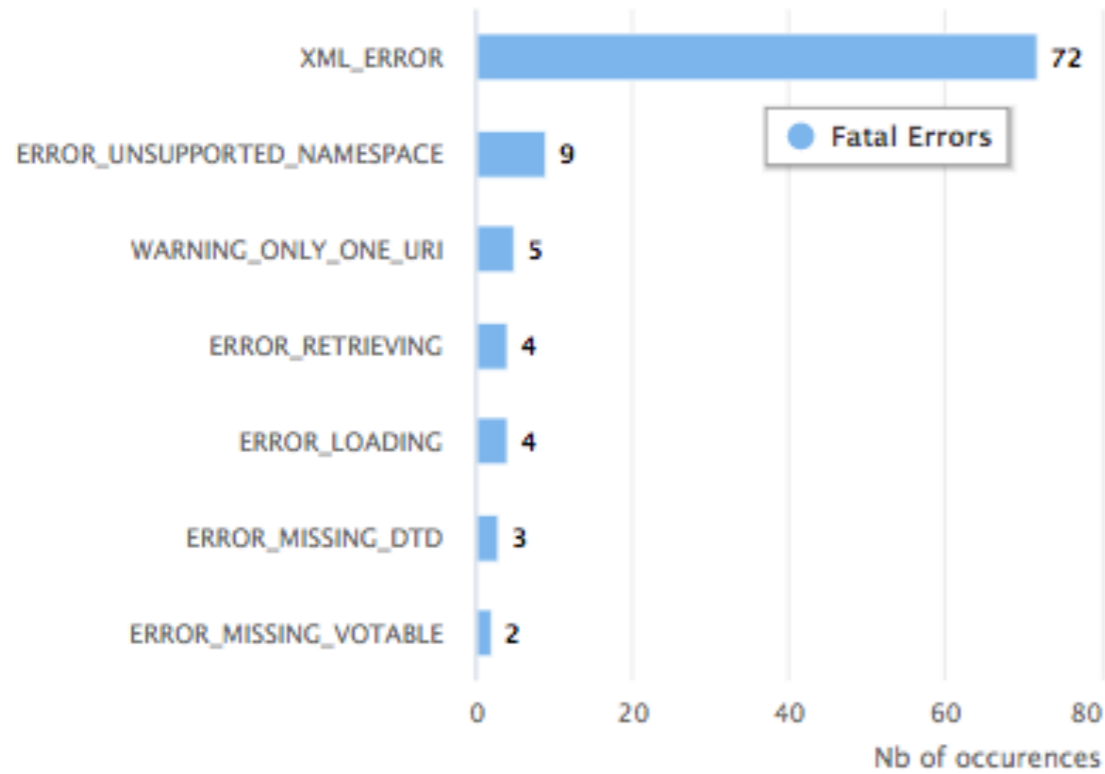
CS History

Not Respond. Error Valid

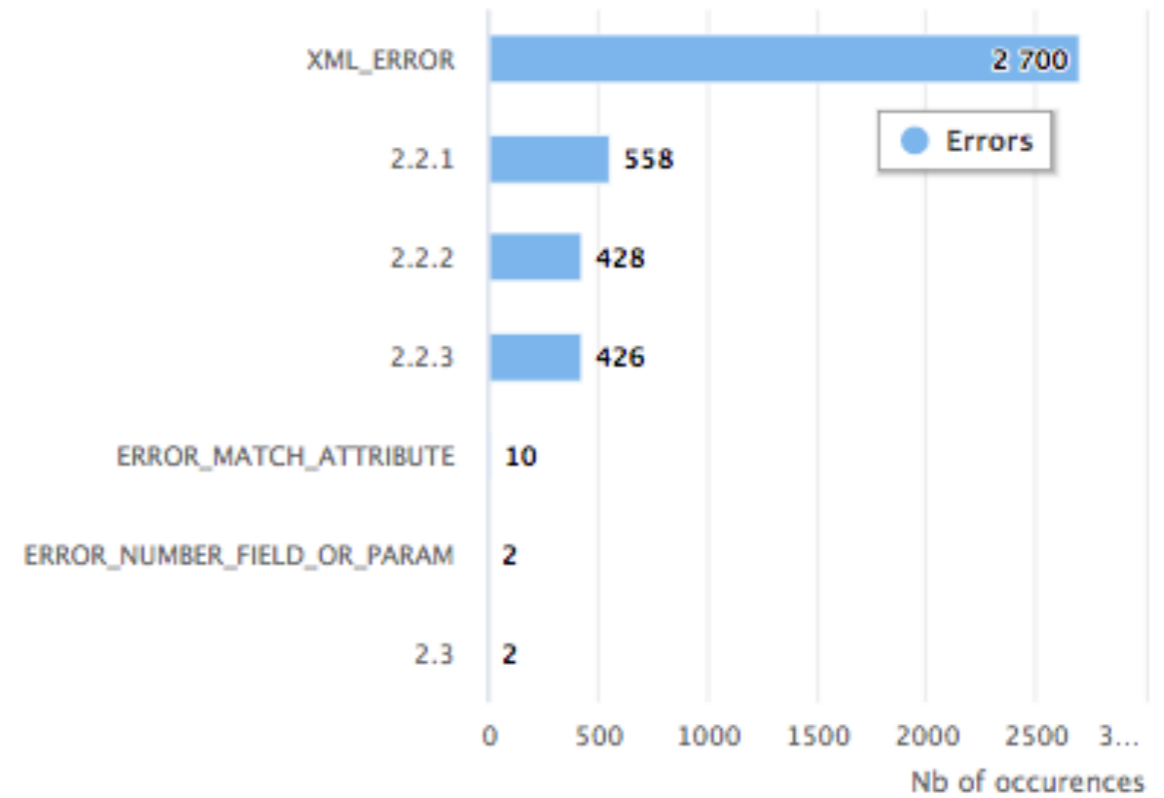


2019-10 CS error frequencies

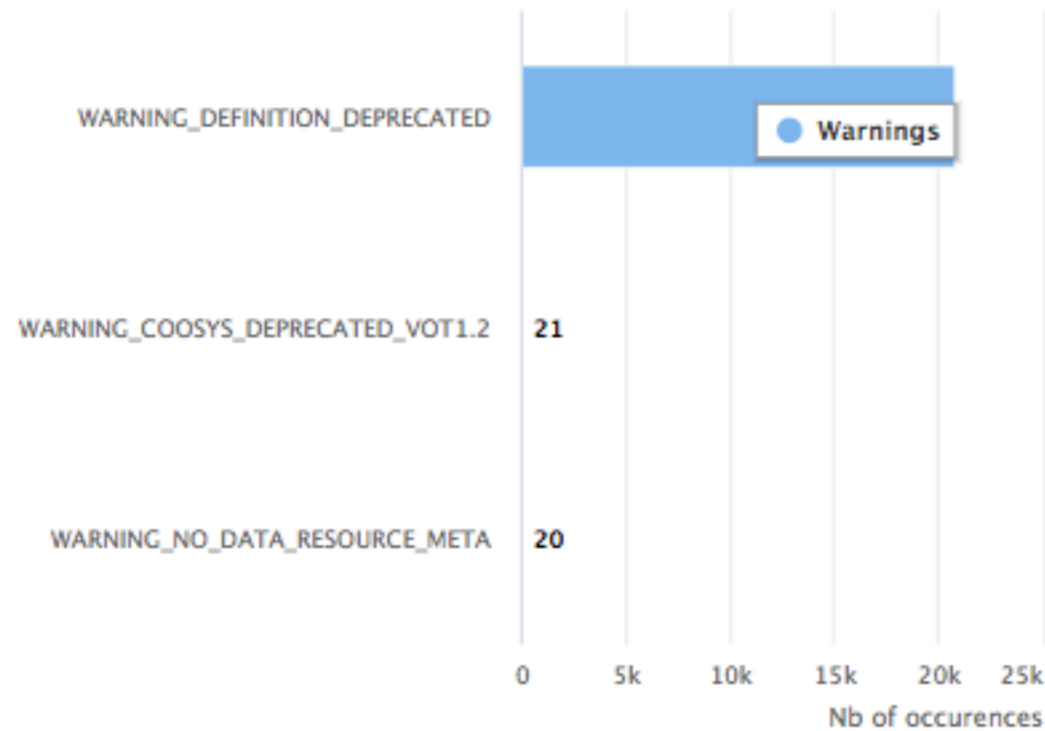
Fatal Errors Frequencies



Errors Frequencies



Warnings Frequencies



TOP CS Providers

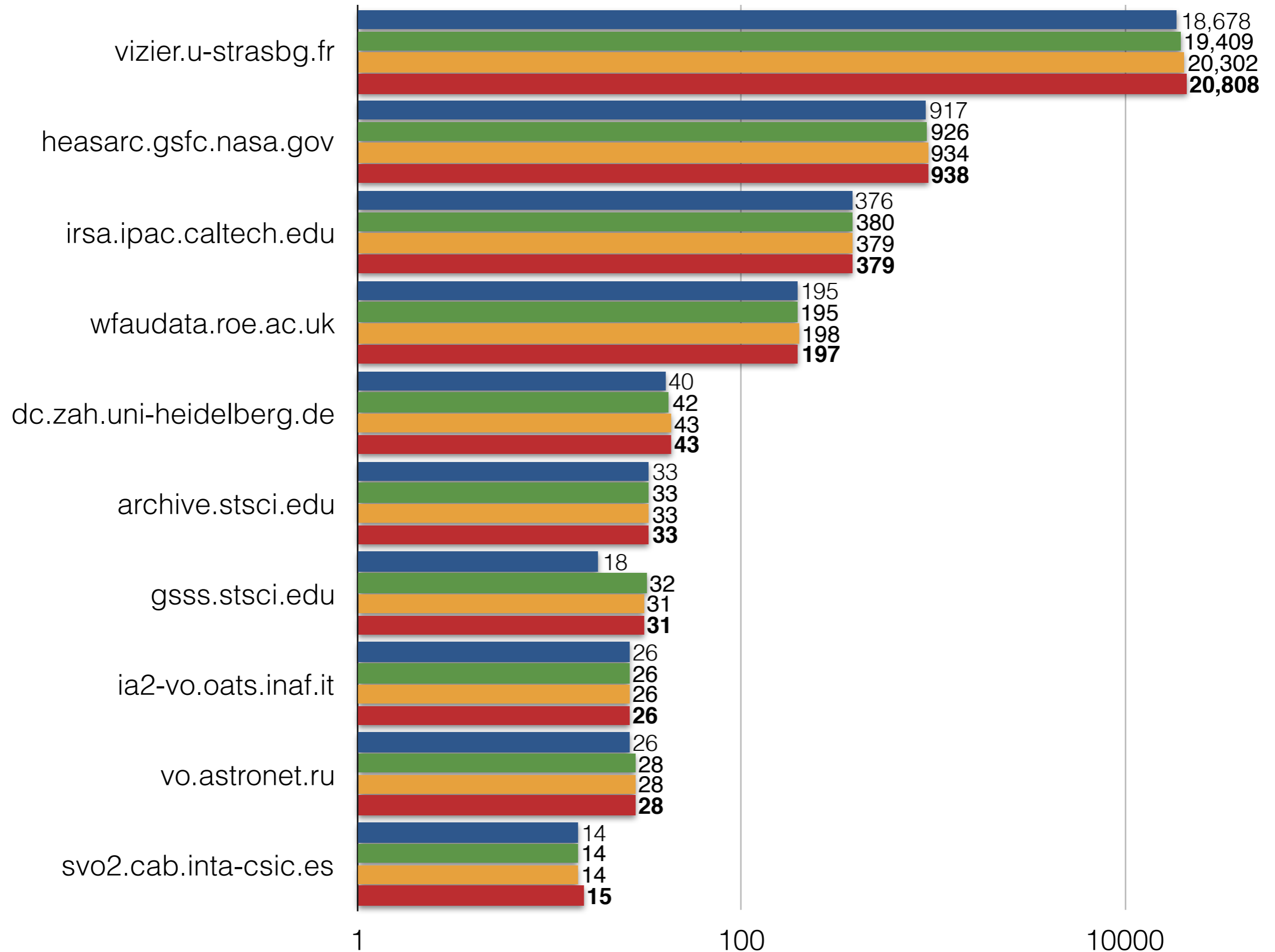
(having more than 10 CS service)

Nb Services 2018-05

Nb Services 2018-10

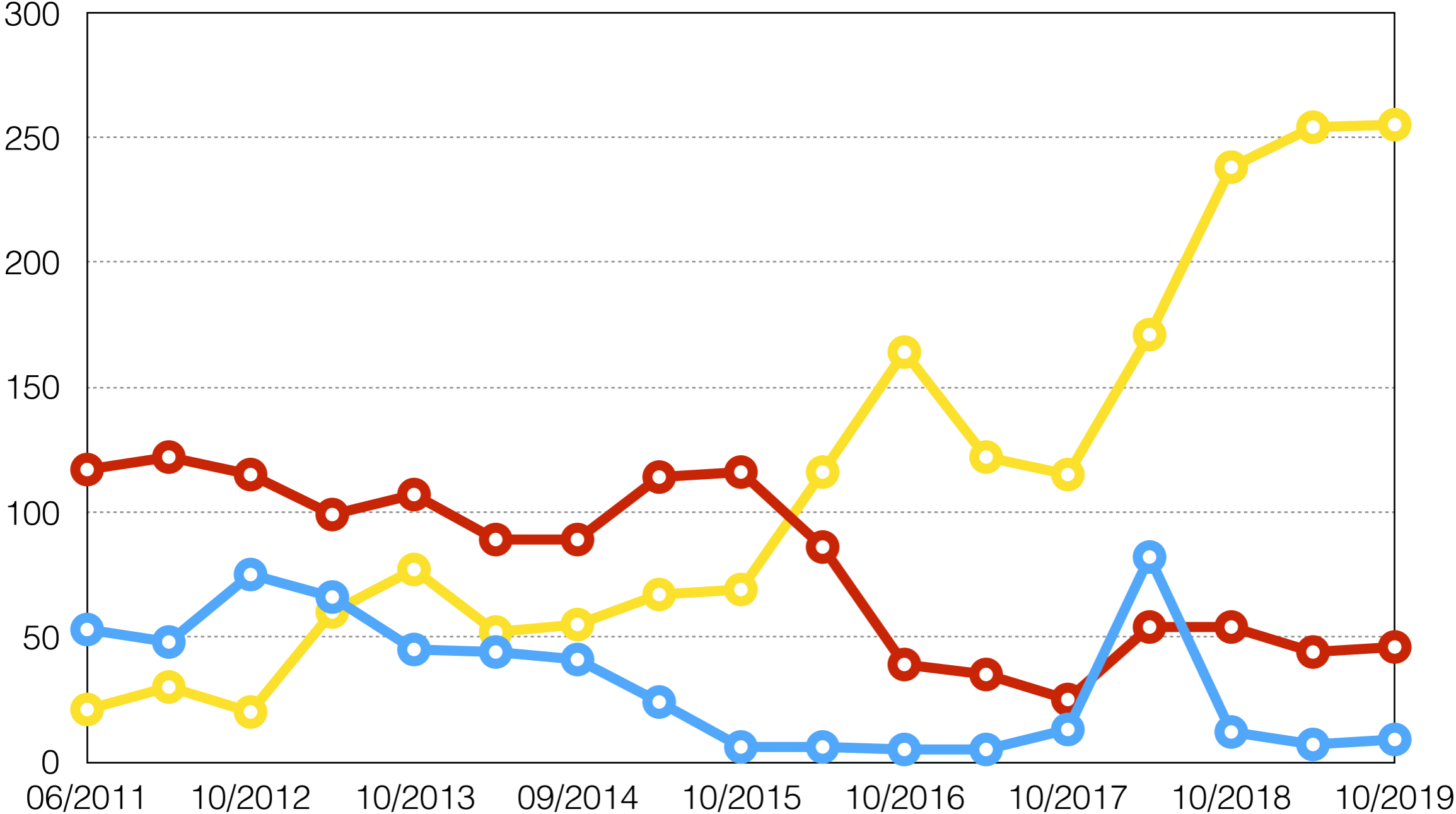
Nb services 2019-05

Nb Services 2019-10



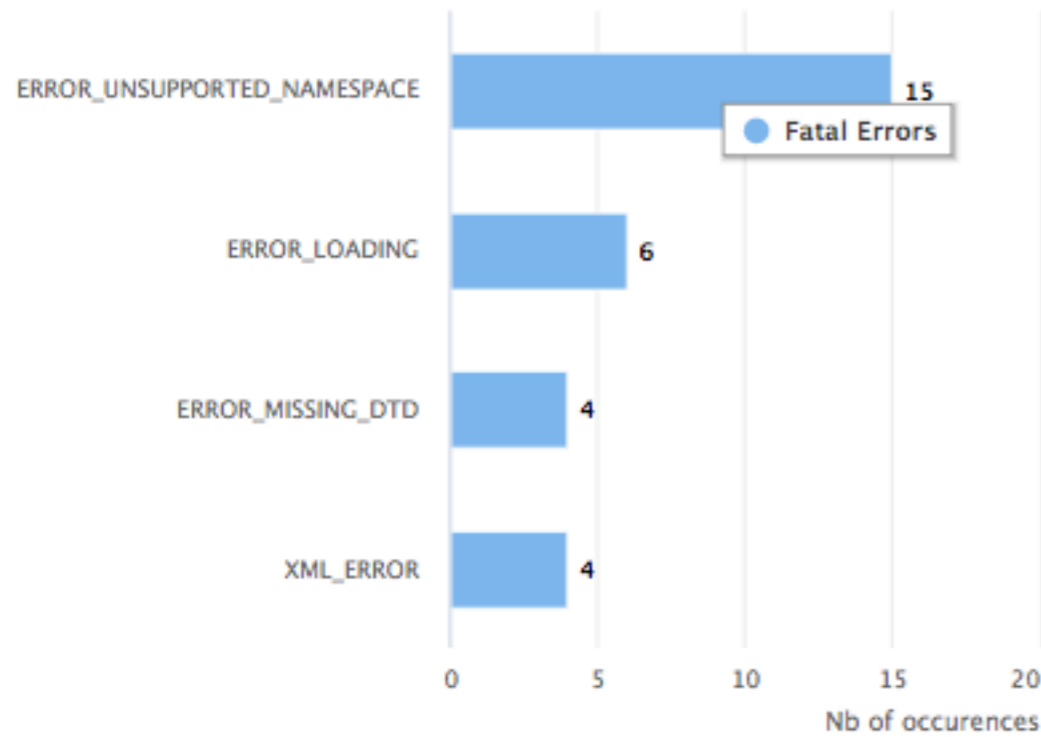
SIA History

Not Respond. Error Valid

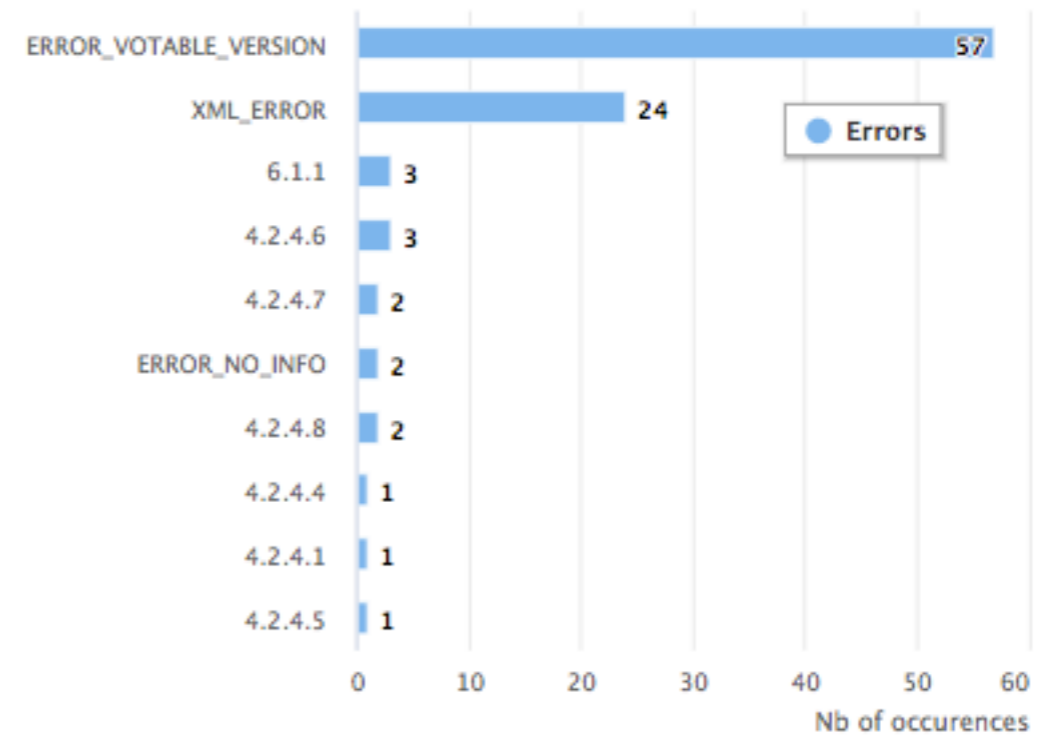


2019-10 SIA error frequencies

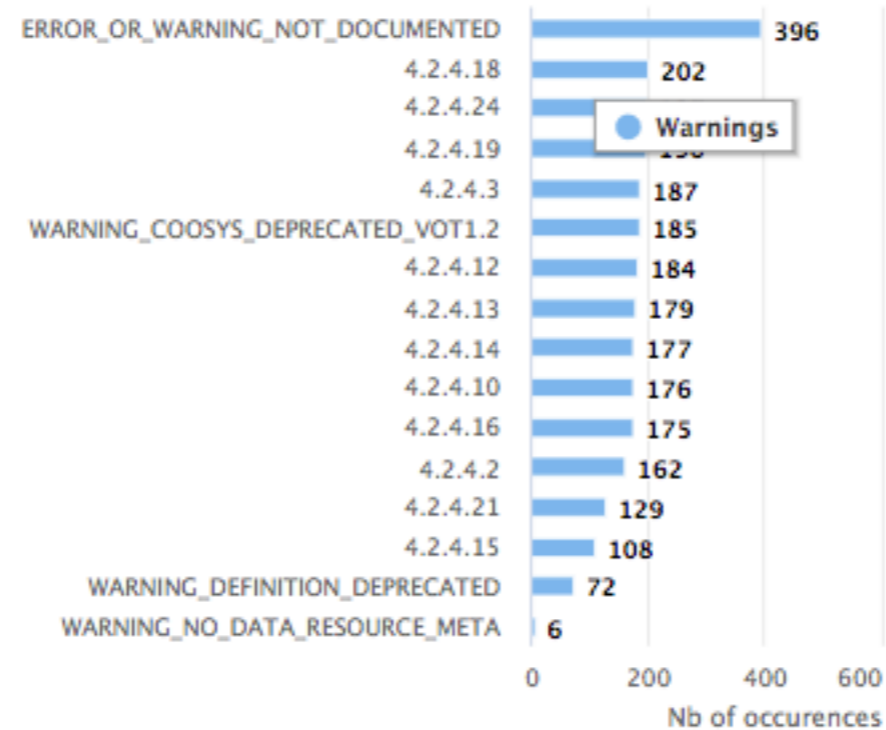
Fatal Errors Frequencies



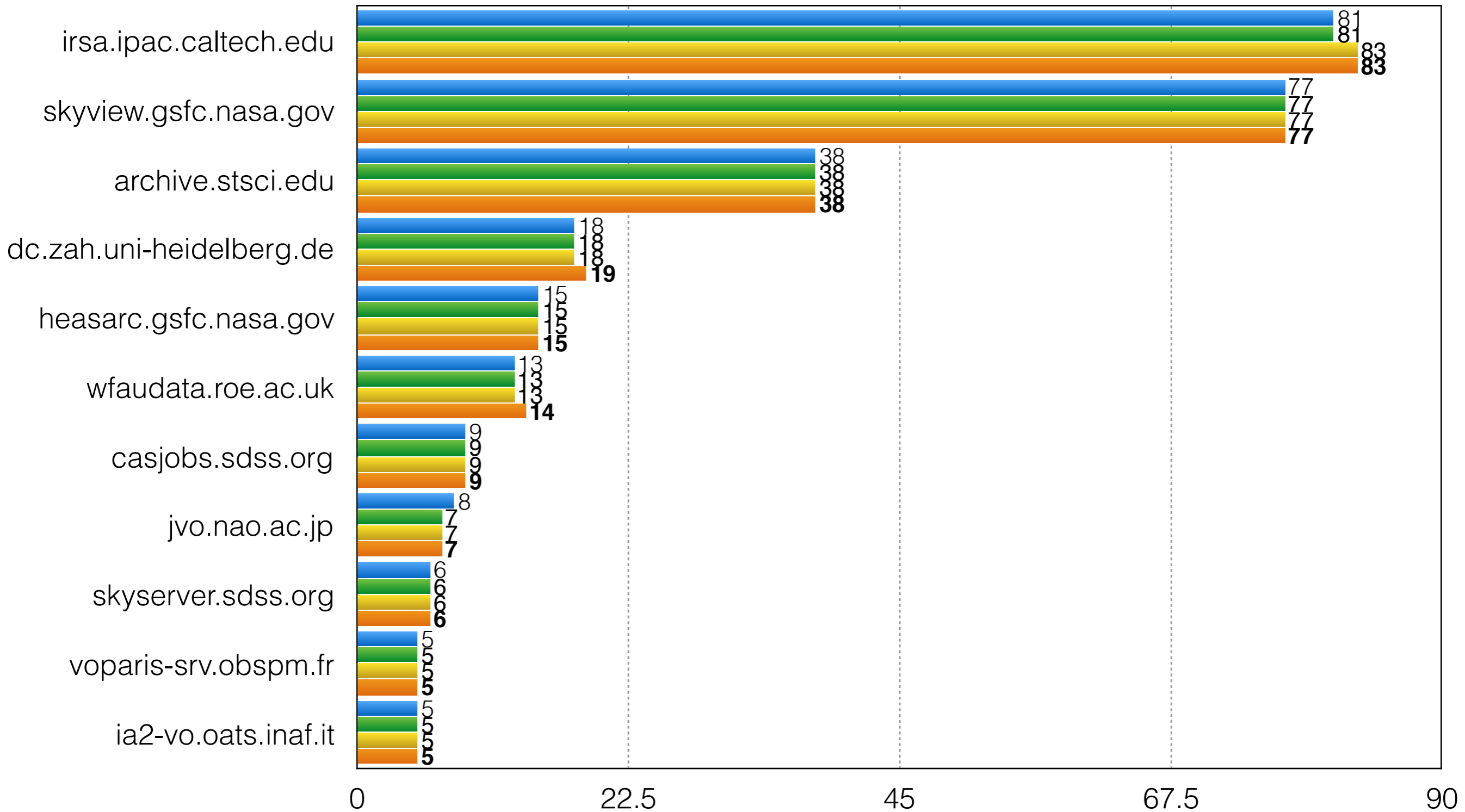
Errors Frequencies



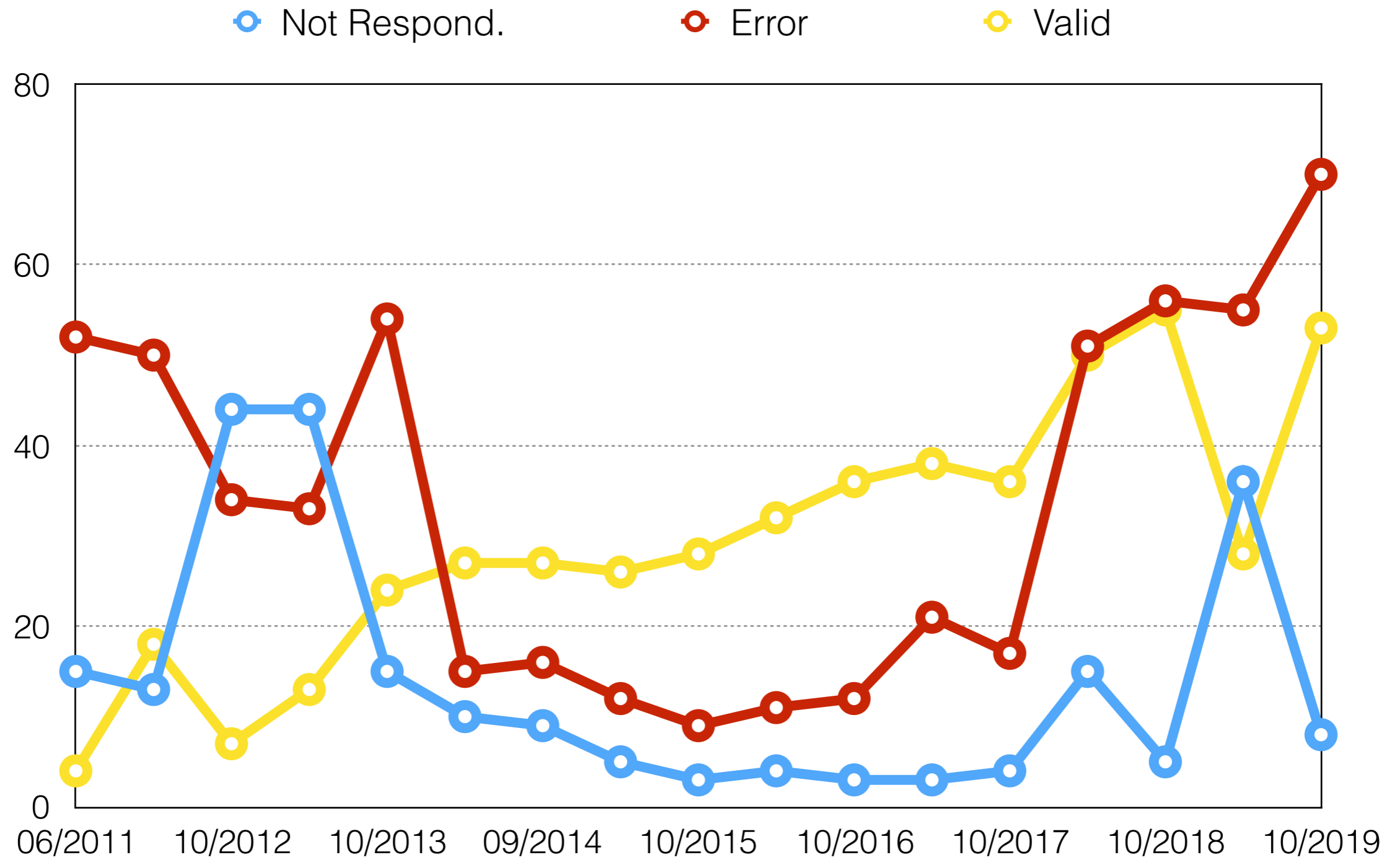
Warnings Frequencies



TOP SIA Providers (having more than 4 SIA services)

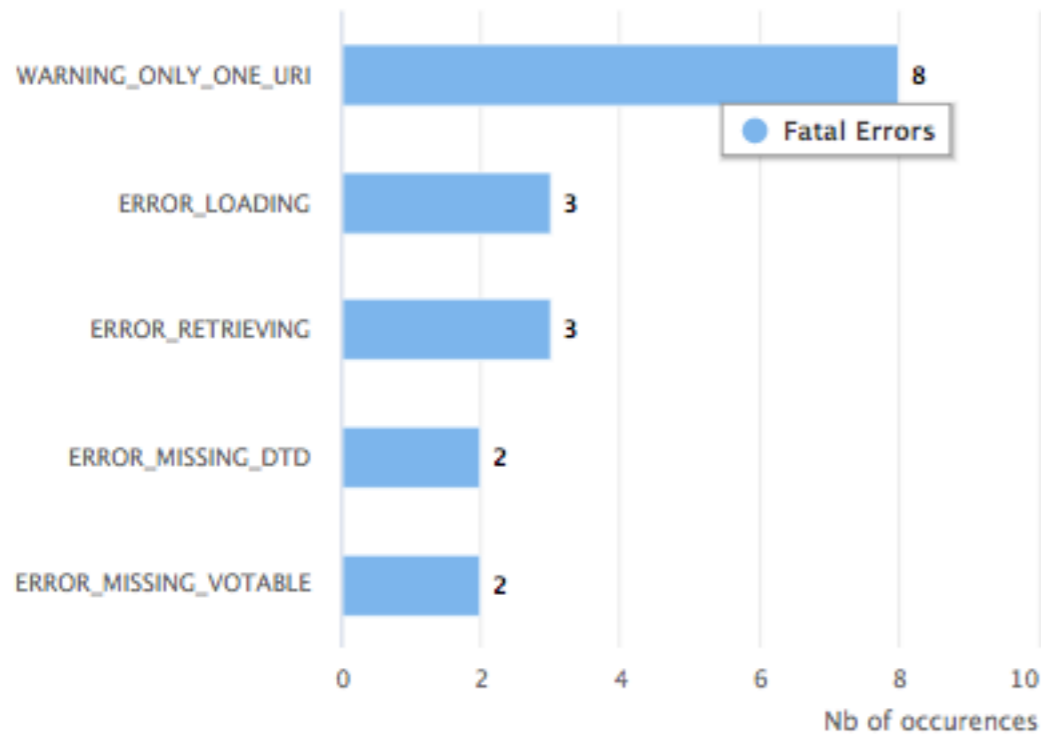


SSA History

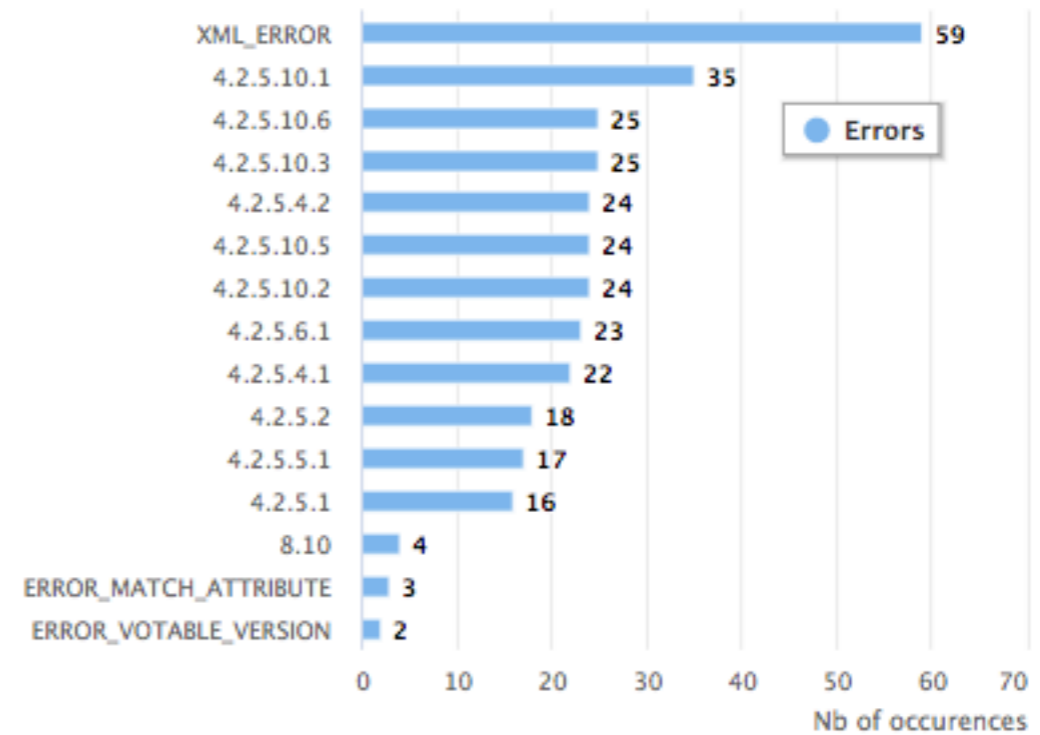


2019-10 SSA error frequencies

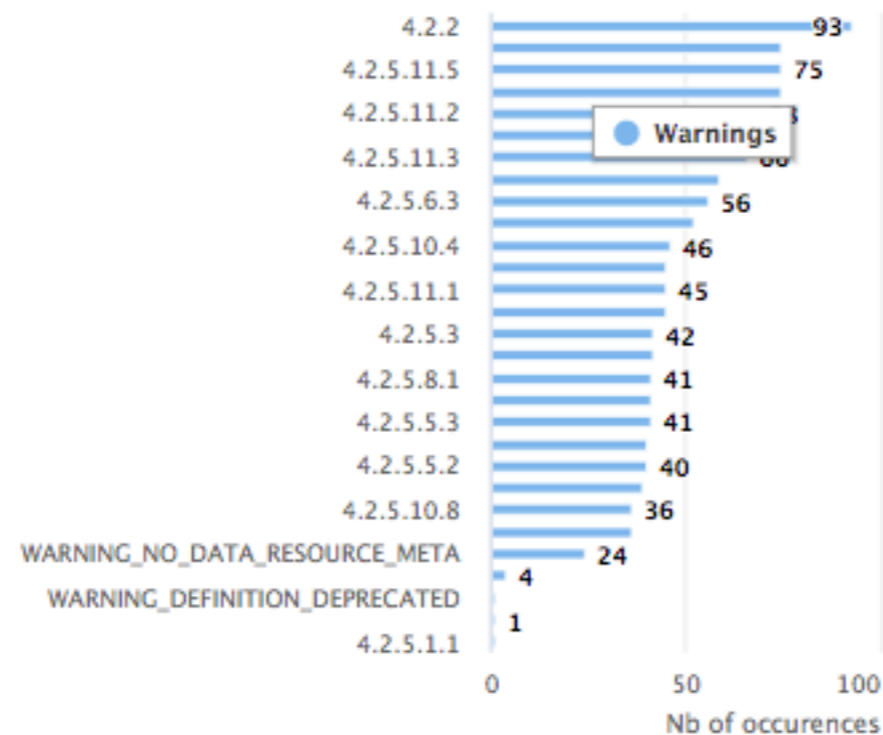
Fatal Errors Frequencies



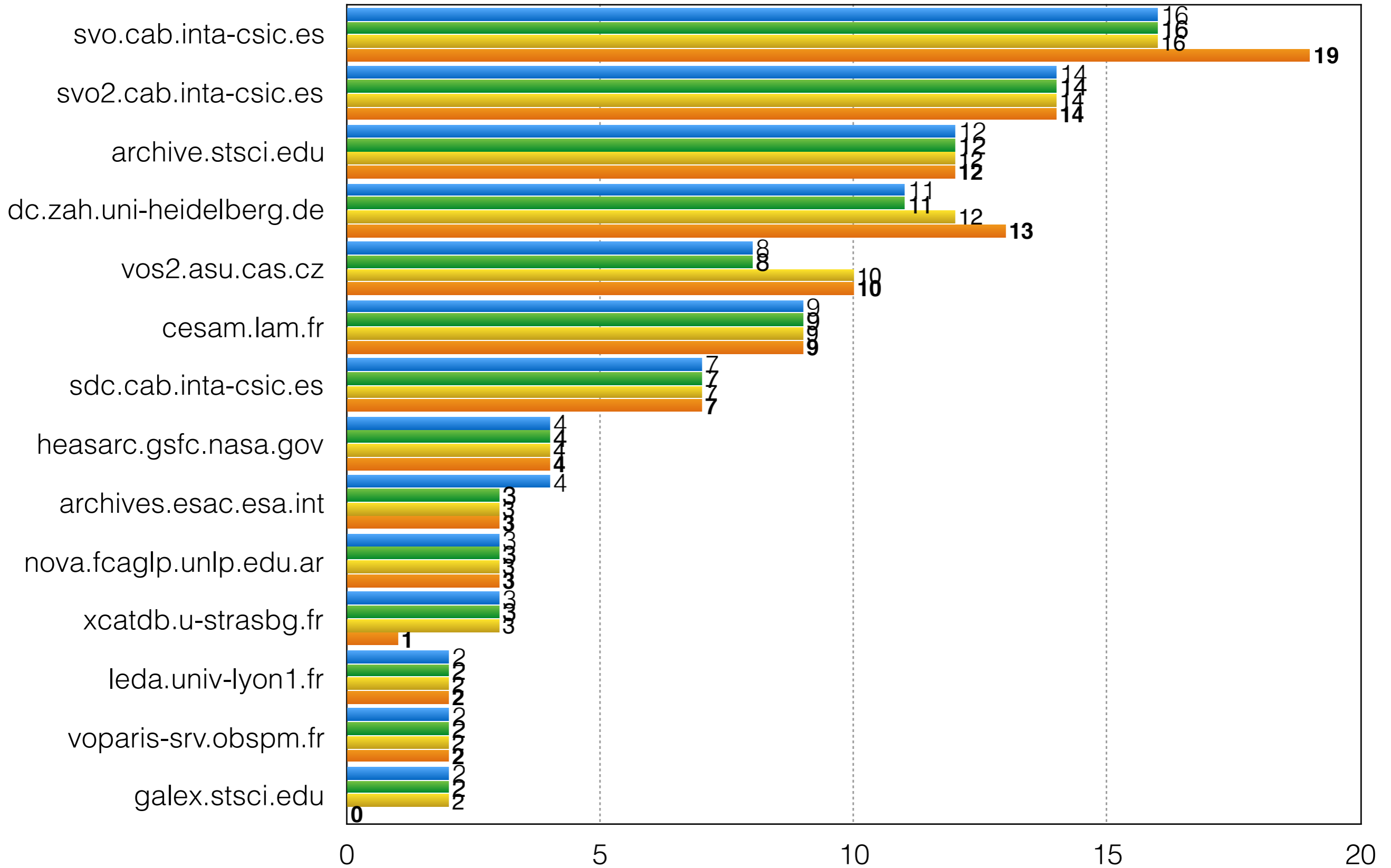
Errors Frequencies



Warnings Frequencies



TOP SSA Providers (having more than 1 SSA service)



TAP Services

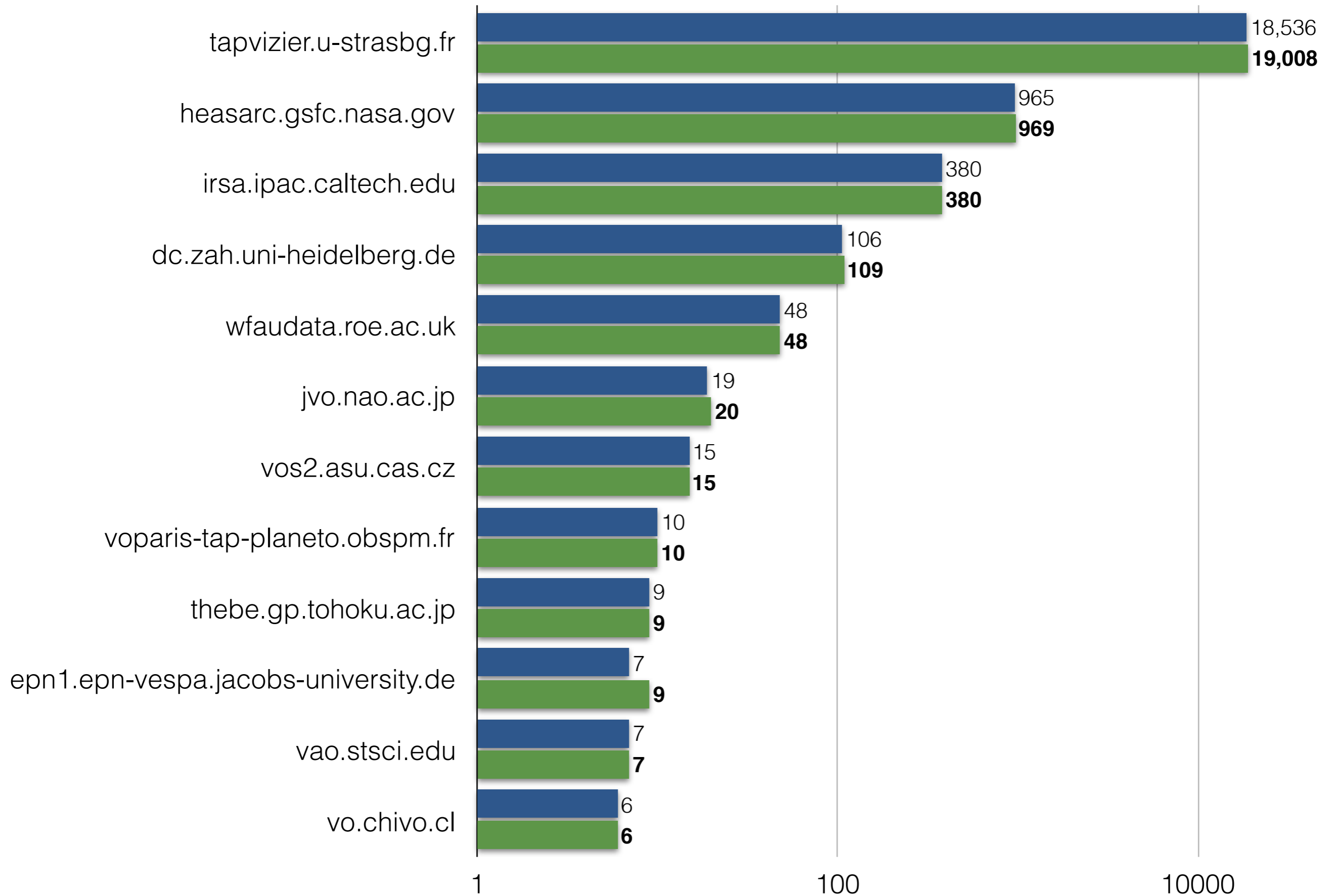
- Monitoring with taplint began in 2018 (131 URLs as of 2018-05)
- **2019-10: 66 providers (unique hostnames+port) and 20694 services declared**
- 2019-05: 65 providers (unique hostnames) (148 URLs) and 20193 services declared:
- TapVizier has registered all its TAP services (using standard id <ivo://ivoa.net/std/tap#aux>)

TOP TAP Providers

(having more than 5 service)

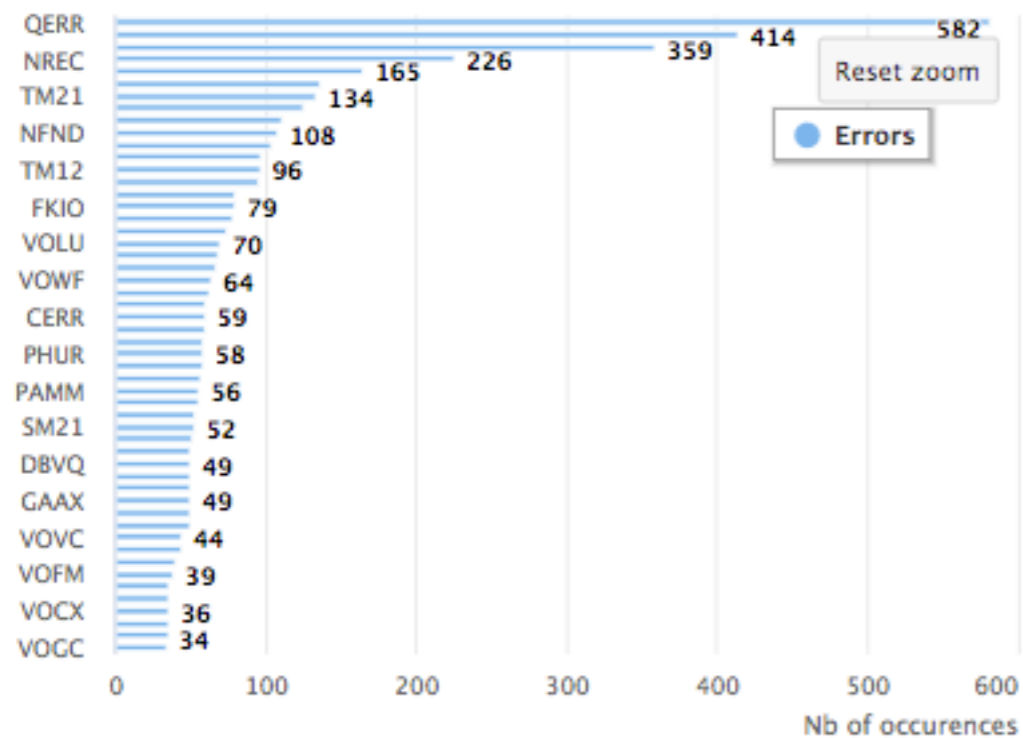
■ Nb Services 2019-05

■ Nb Services 2019-10

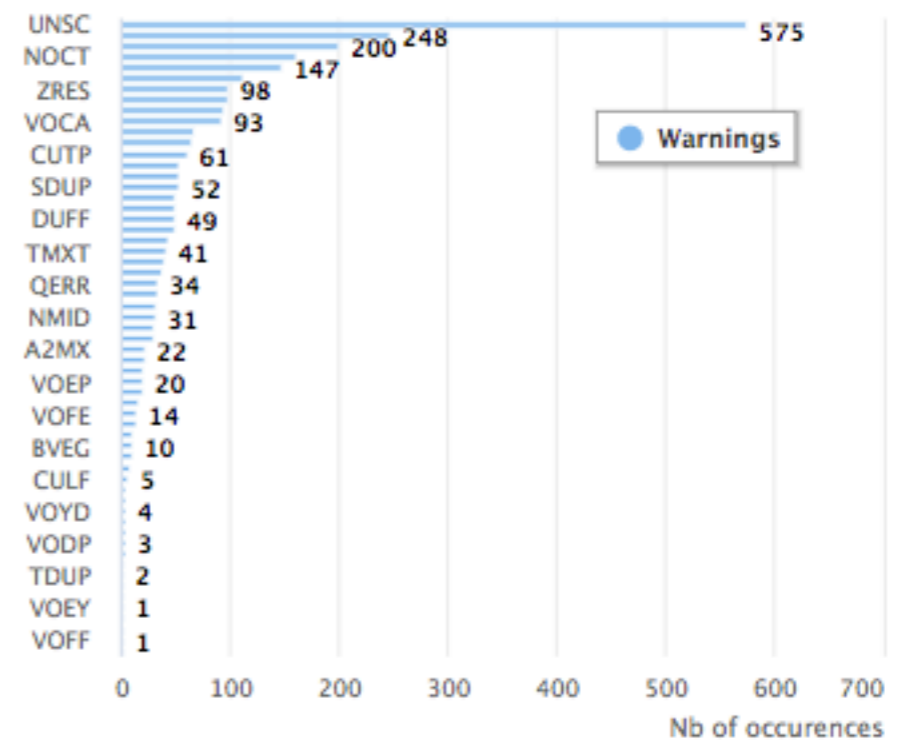


2019-10 TAP error frequencies

Errors Frequencies



Warnings Frequencies



HTTP API

- <https://voparis-validation2.obspm.fr/validation/API>
- Retrieve validation results programmatically from our daily DBs
- Input and output in JSON formats
- Examples:

```
$ curl -d '{ "action": "query_services", "mode": "ivoid_pattern",  
"protocol": "ConeSearch", "ivoid_pattern": "%vopdc%" }' https://voparis-  
validation2.obspm.fr/validation/API/JSON
```

```
$ curl -d '{ "action": "query_services_errors", "mode": "multiple_ivoids",  
"protocol": "TAP", "ivoids": ["ivo://vopdc.obspm/luth/exoplanet/epn"] }' https://voparis-  
validation2.obspm.fr/validation/API/JSON
```

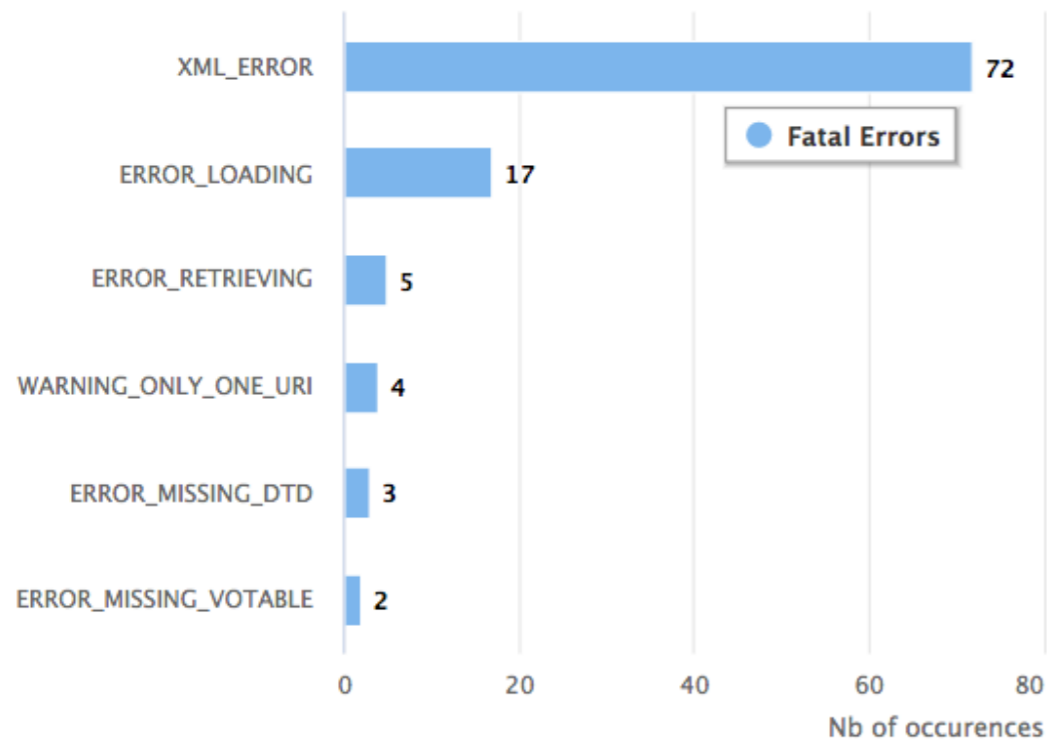
Conclusions

- **Results** available on **Reporting Web Apps**:
 - <https://voparis-validation2.obspm.fr/> (BEING DEPRECATED)
 - **<https://voparis-validation-reports.obspm.fr/>** (**NEW**)
- **API** available to get results in JSON format <https://voparis-validation2.obspm.fr/validation/API>
- **SIv2 validator**: stalled because of lack of resources (but 25 services would need it...)
- **NEW SLAPv2 validator** avail on <http://voparis-validator.obspm.fr>
- Validators needs constant updates due to erratas (ex COOSYS) and new usages (ex: redirections). They use the XSD files which must be correct
- Improving the validator improves the statistics !
- Providers: Register your services at least to be validated (and more) !

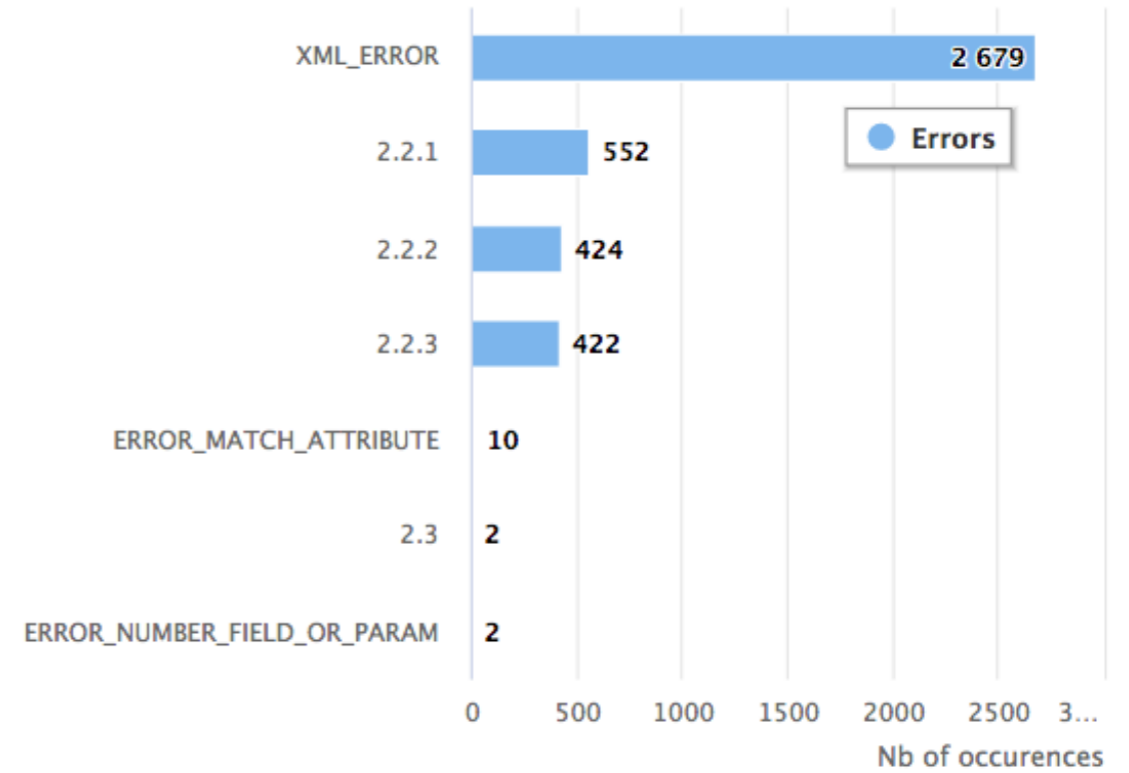
Backup Slides

2019-05 CS error frequencies

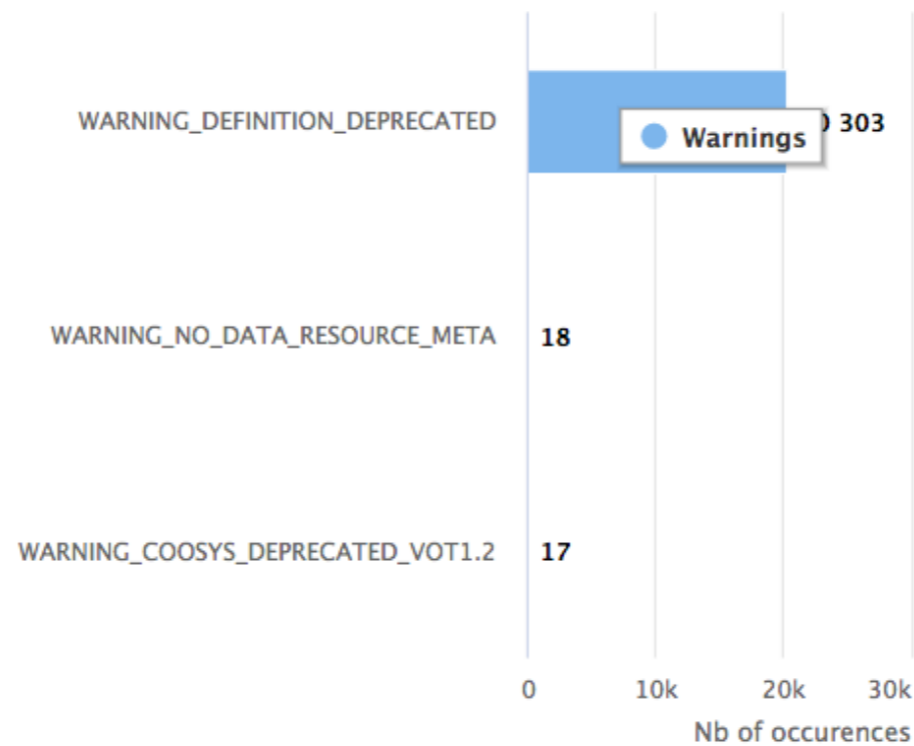
Fatal Errors Frequencies



Errors Frequencies

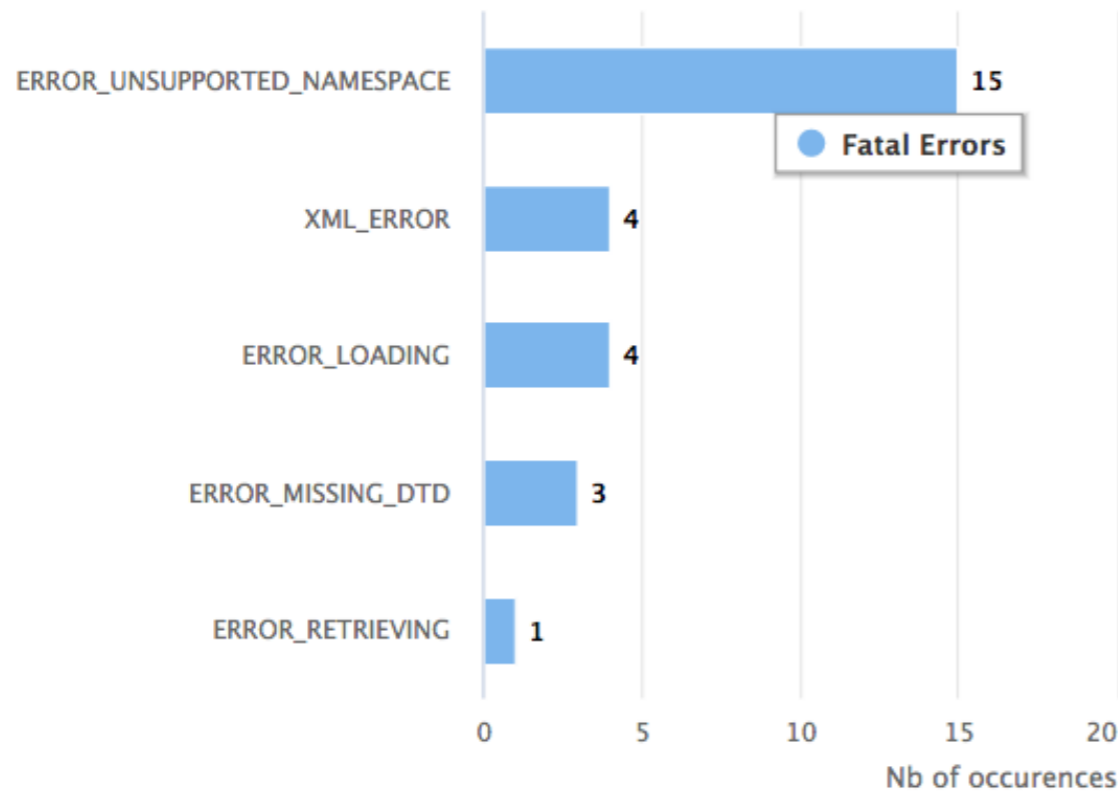


Warnings Frequencies

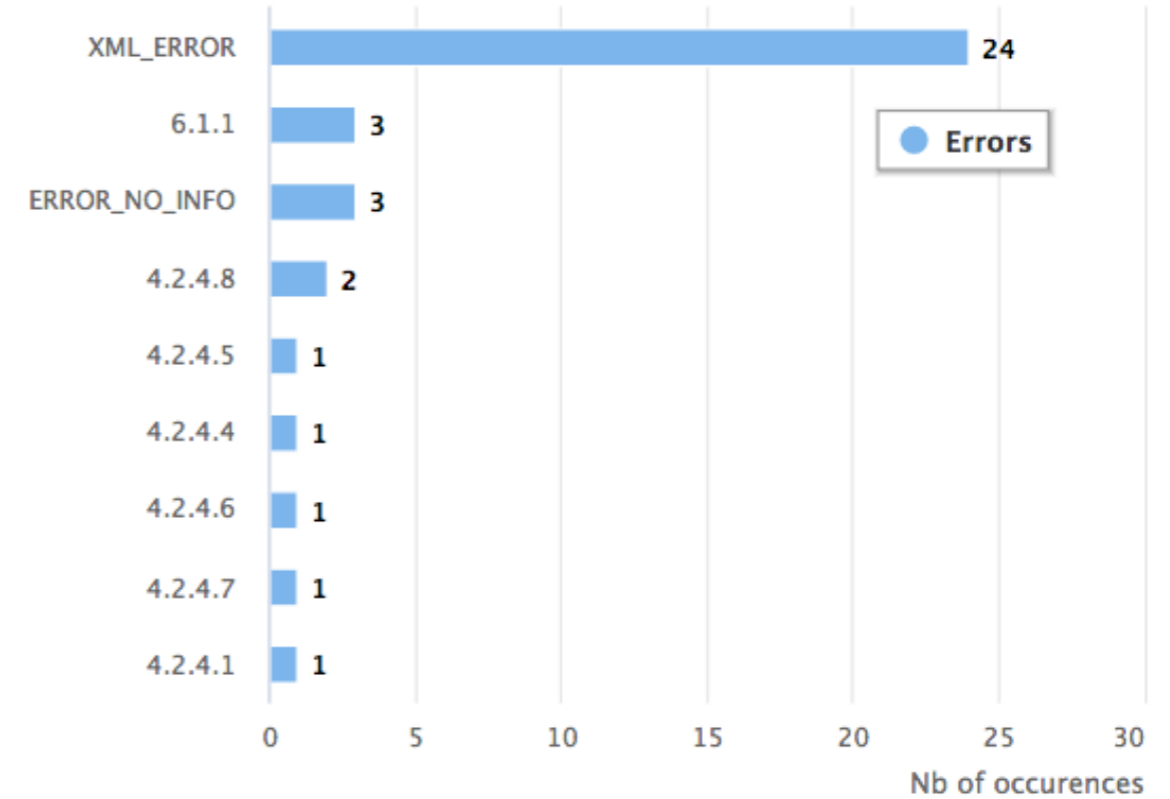


2019-05 SIA error frequencies

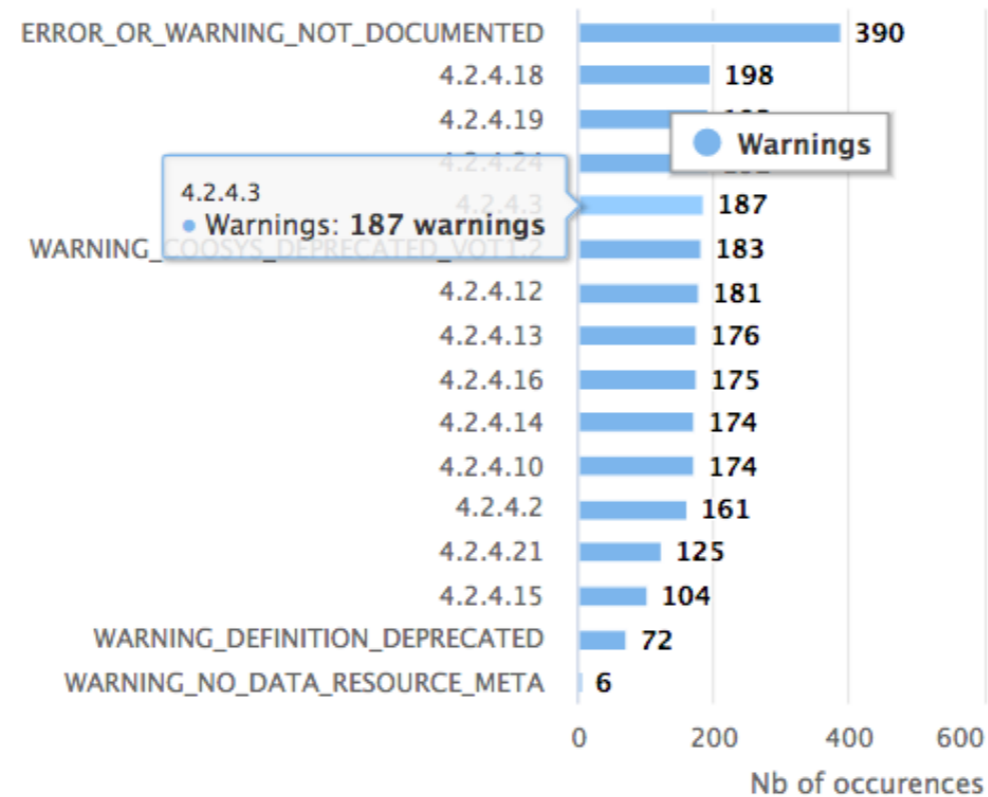
Fatal Errors Frequencies



Errors Frequencies

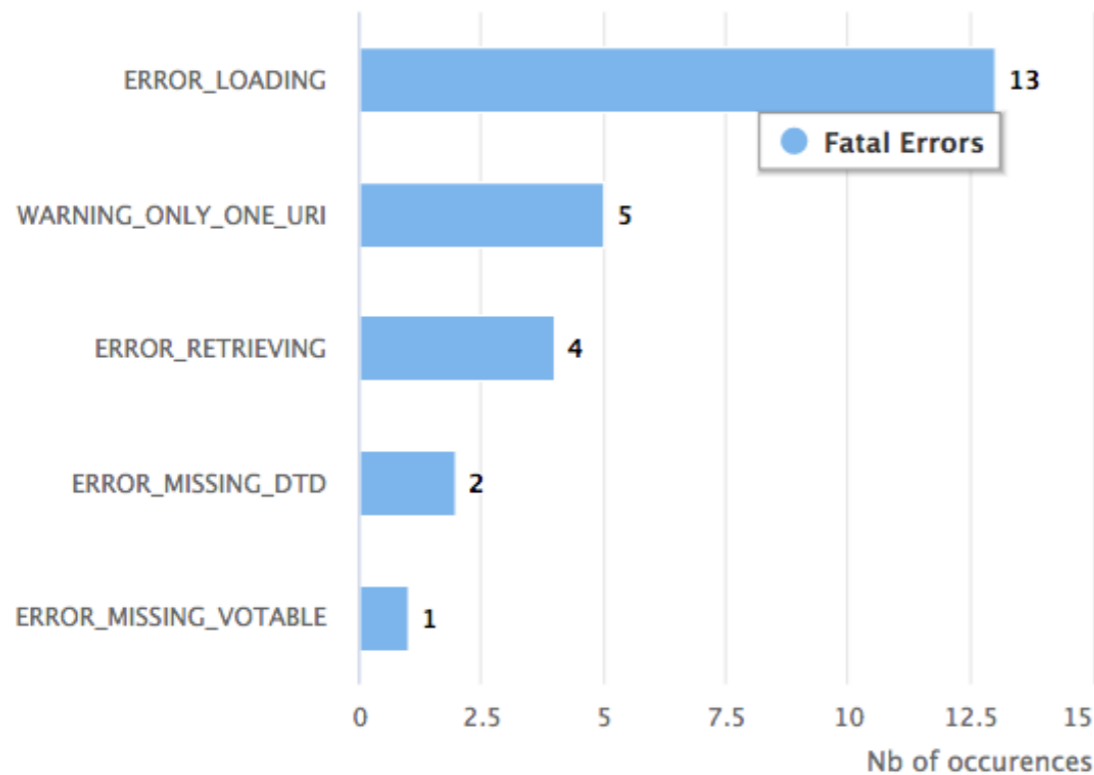


Warnings Frequencies

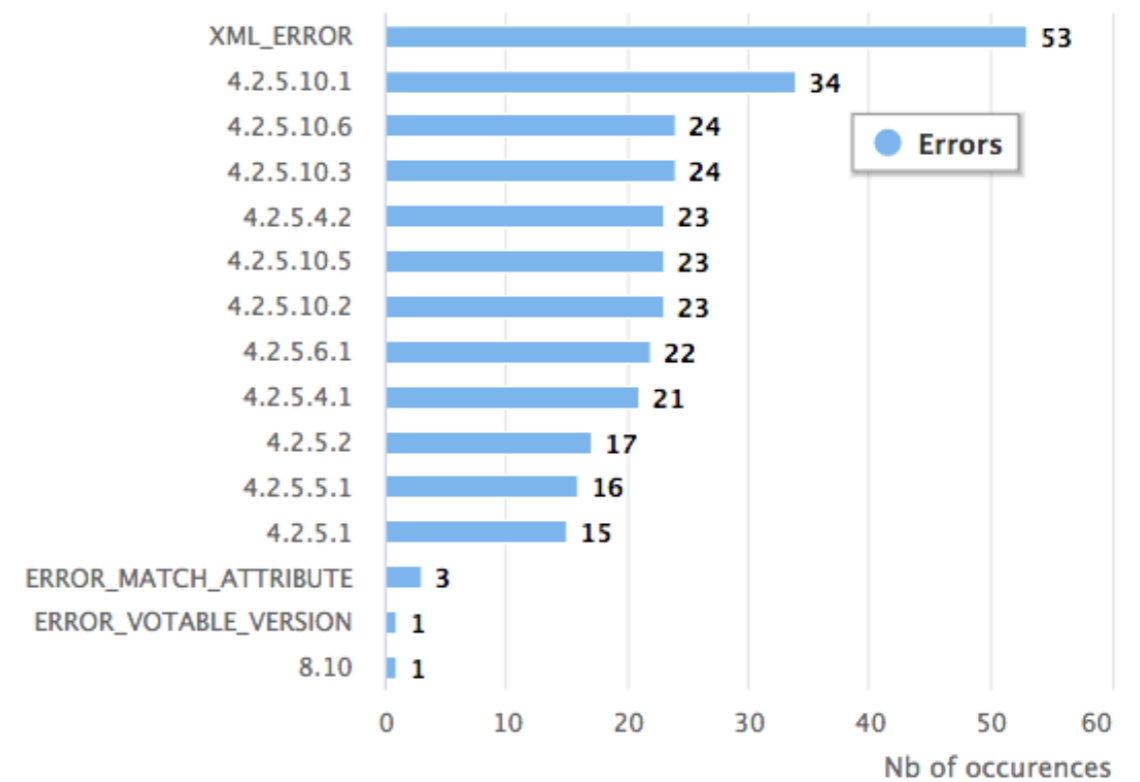


2019-05 SSA error frequencies

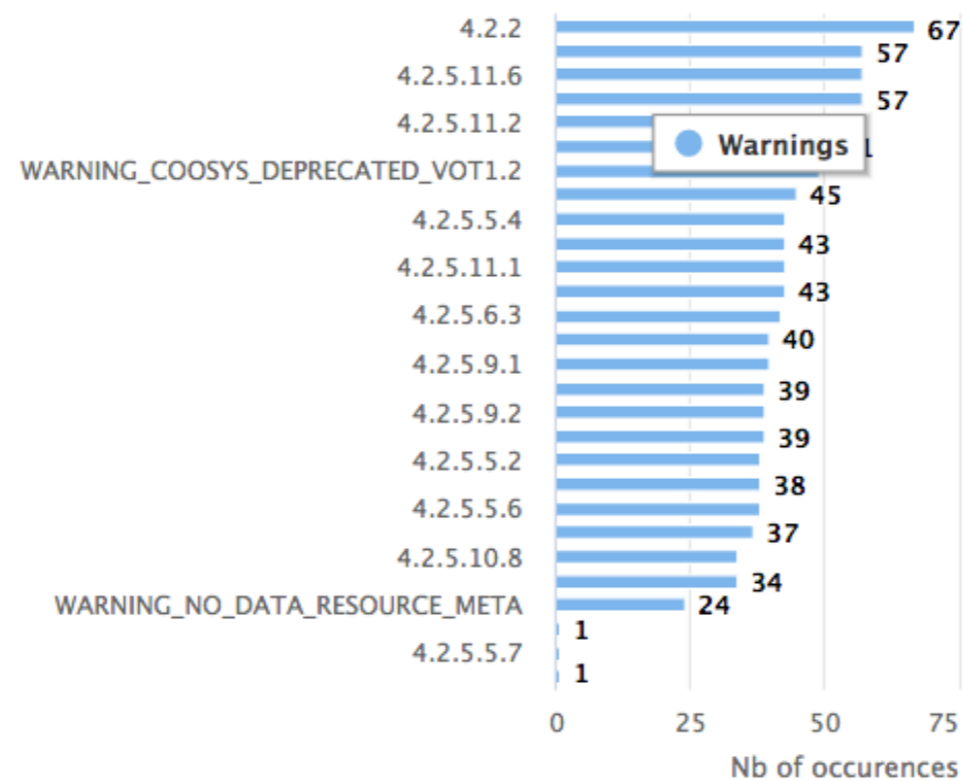
Fatal Errors Frequencies



Errors Frequencies



Warnings Frequencies



2019-05 SSA: The version problem

- The situation is apparently not very good (20% SSA services labeled “not responding”)
- But it is an artifact due to the validation procedure:
- For validation we are using the version of the protocol specified in the registry
- All but 3 of the non-responding services tagged are in fact not checked because the version of the protocol announced in the registry (usually 1.0) is not yet supported by our validator
- We will work on this (make a SSA 1.0 validator)
- Other possible solution: providers should declare another version if applicable