



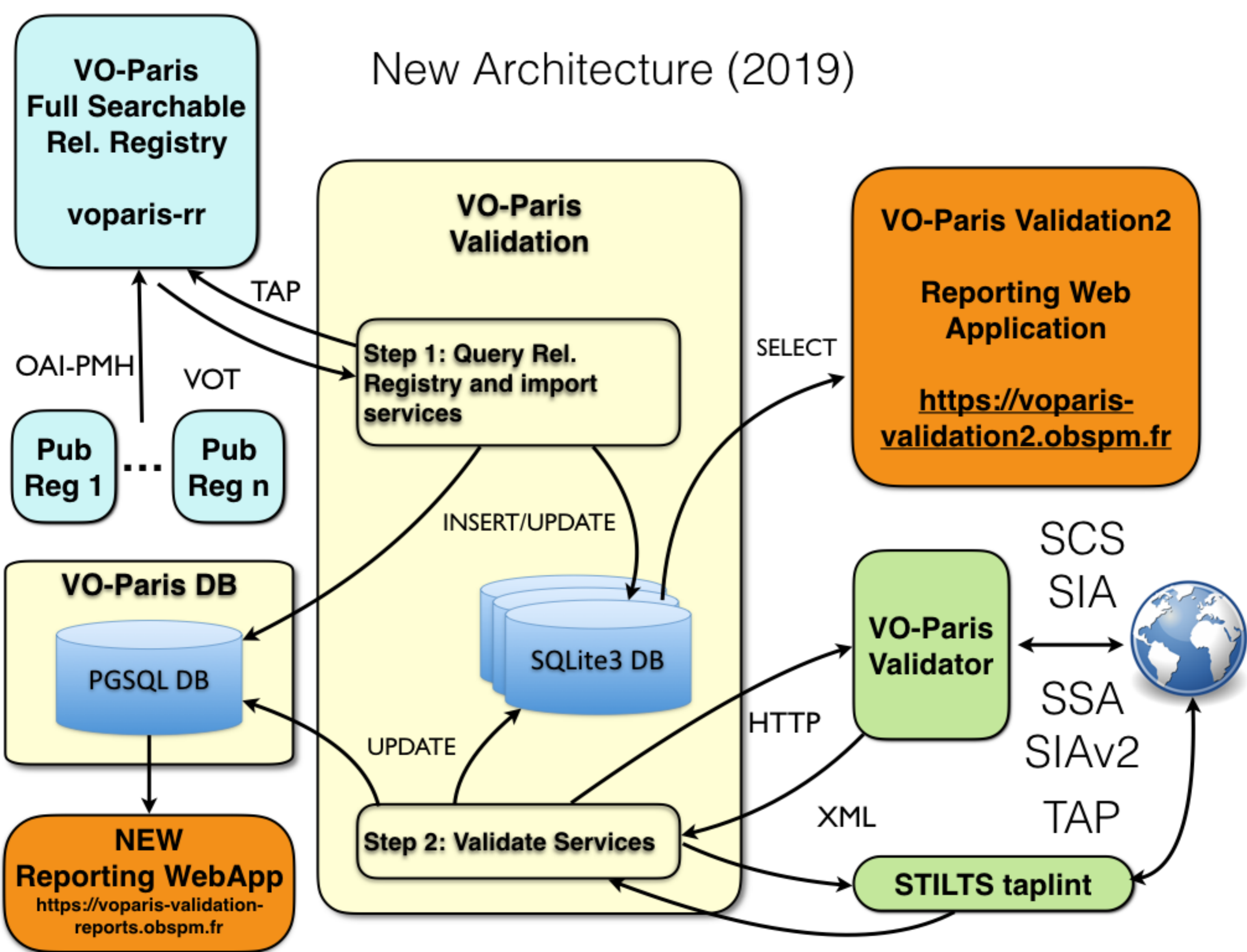
VO-Paris Registry Weather Report

Renaud Savalle and Pierre Le Sidaner

PADC, Observatoire de Paris, France

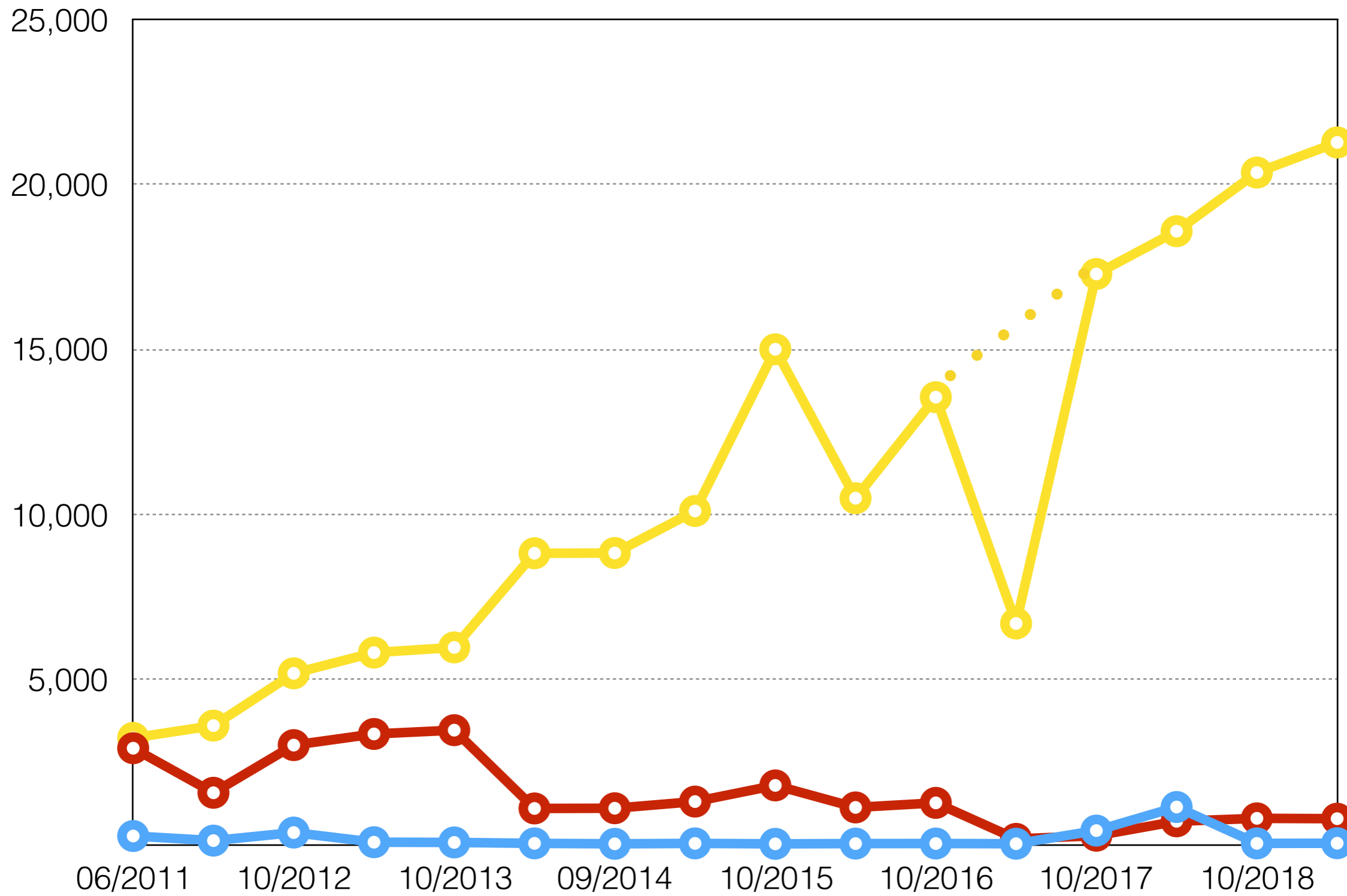
IVOA Interop Meeting - Paris - 2019-05 - IG Operations

New Architecture (2019)



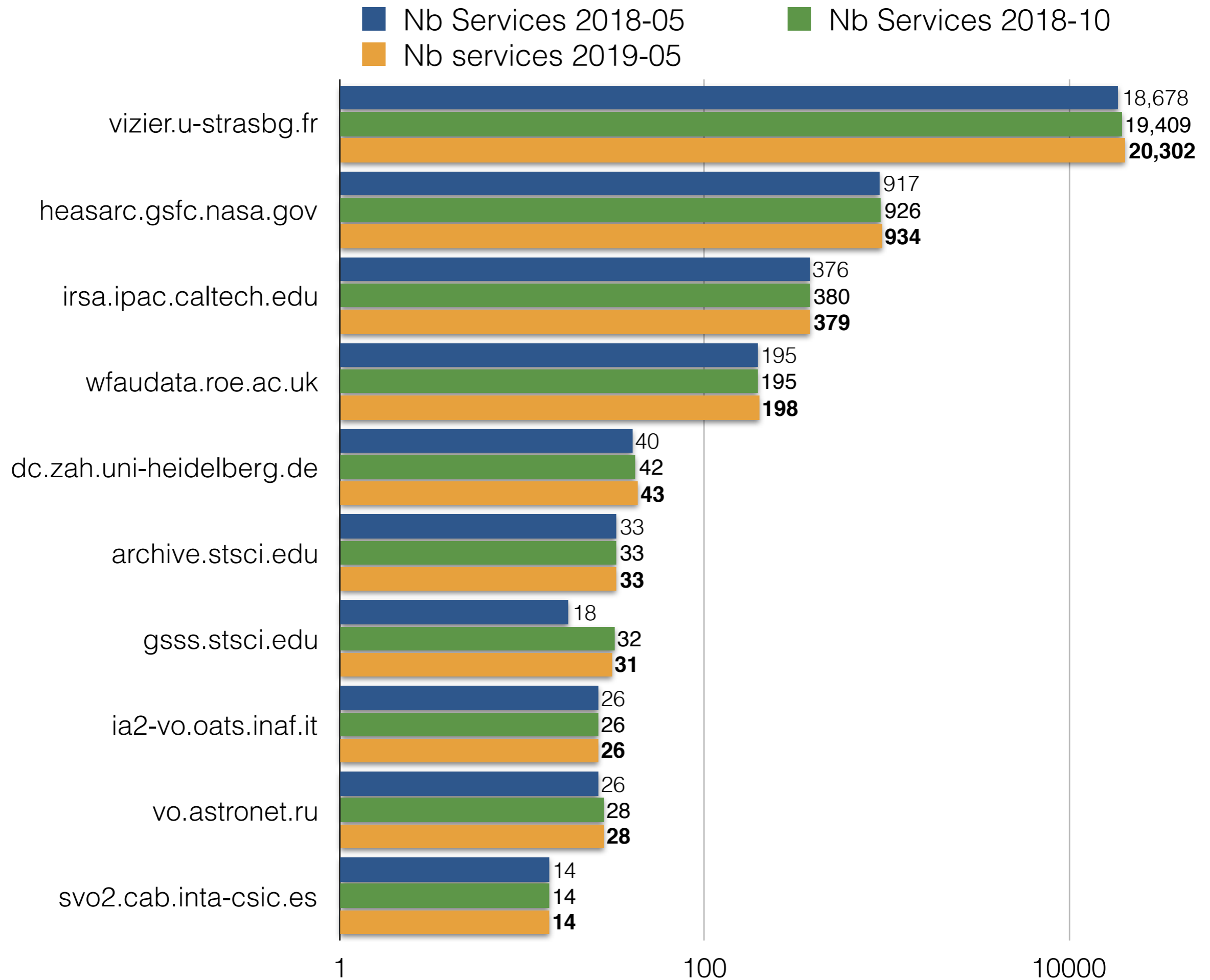
CS History

Not Respond. Error Valid



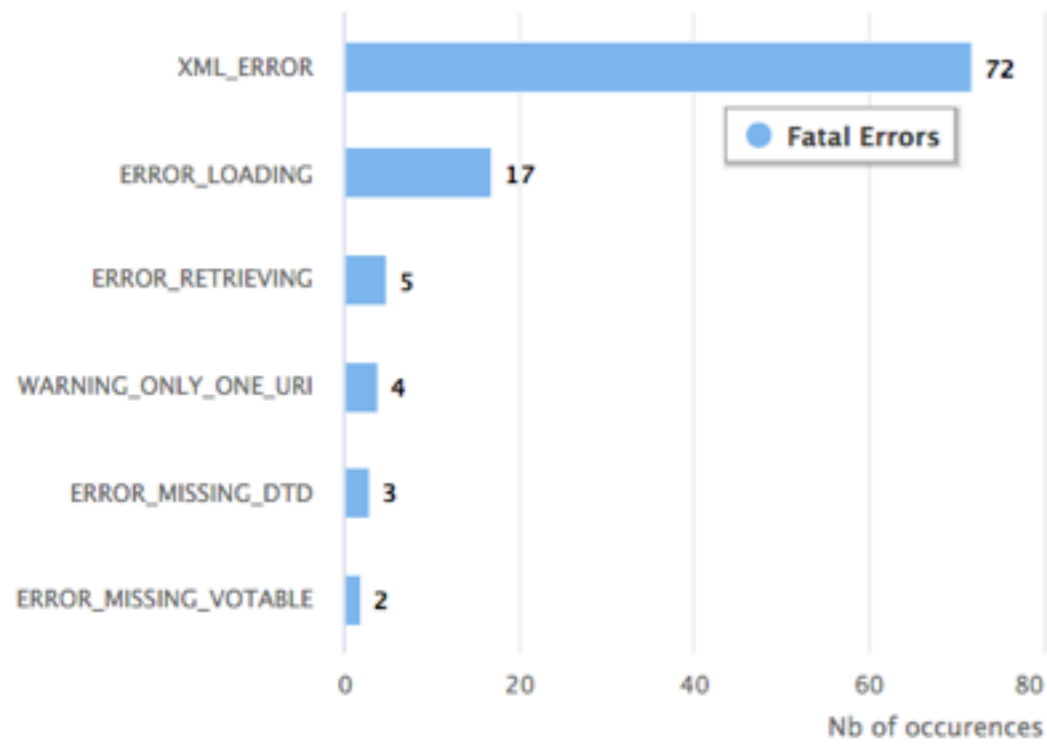
TOP CS Providers

(having more than 10 CS service)

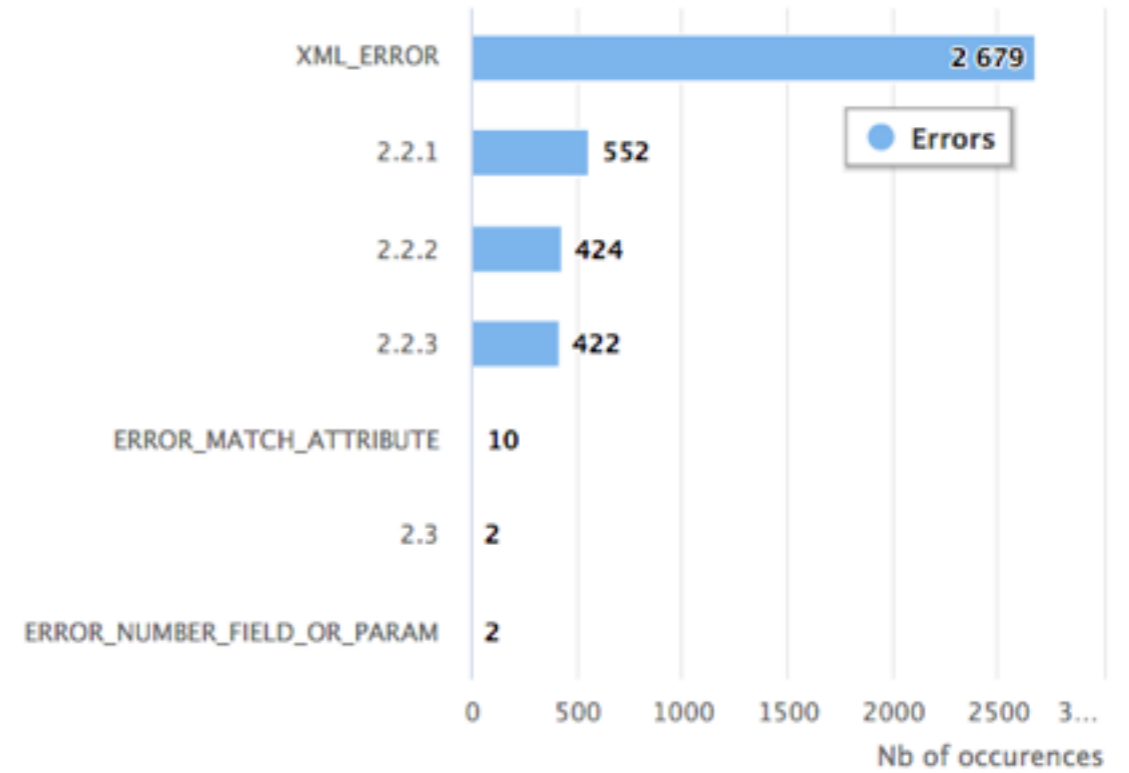


CS error frequencies

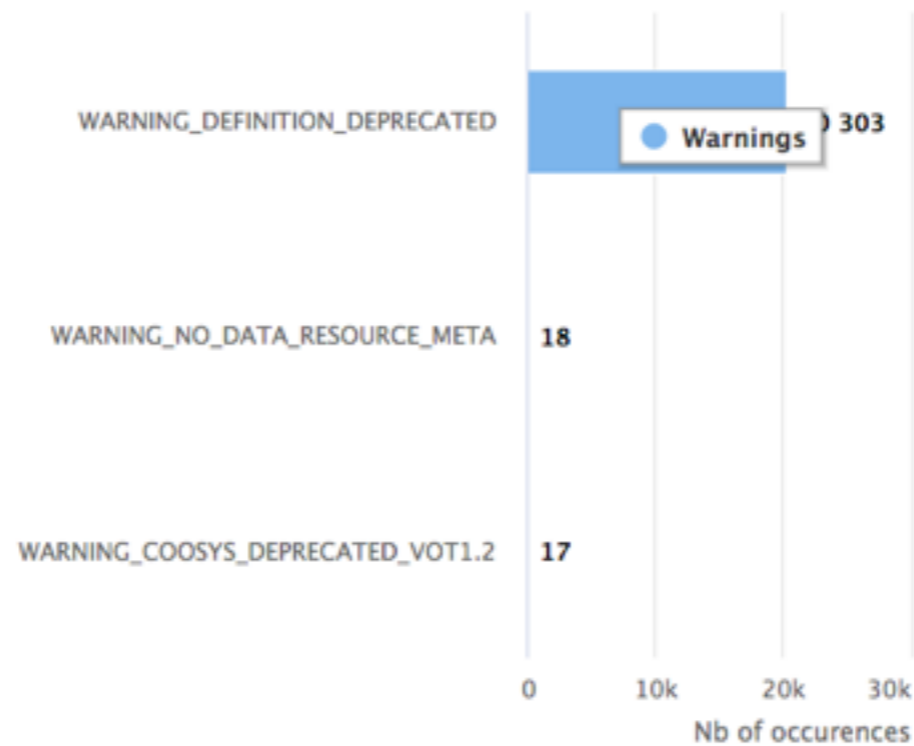
Fatal Errors Frequencies



Errors Frequencies

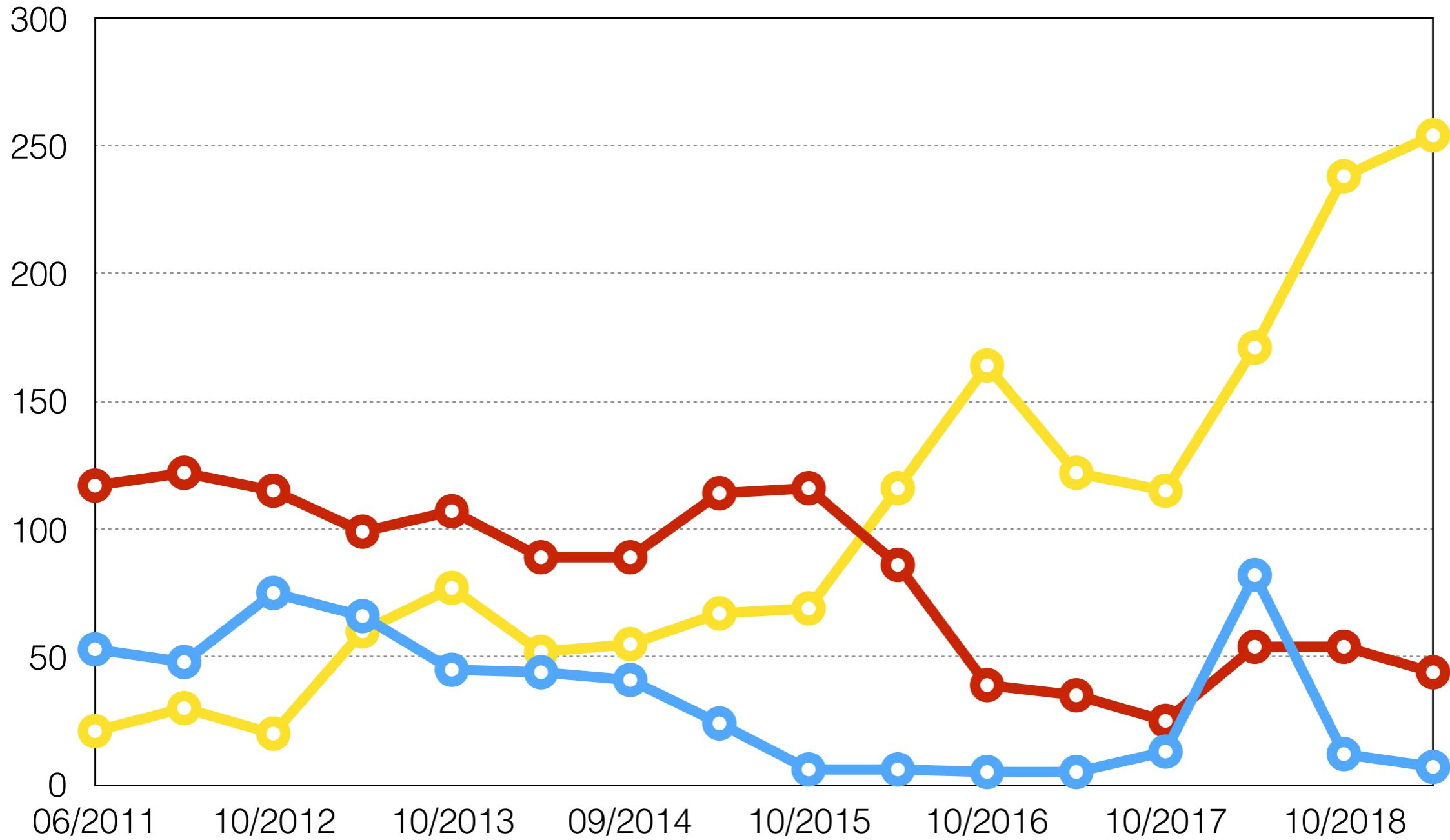


Warnings Frequencies



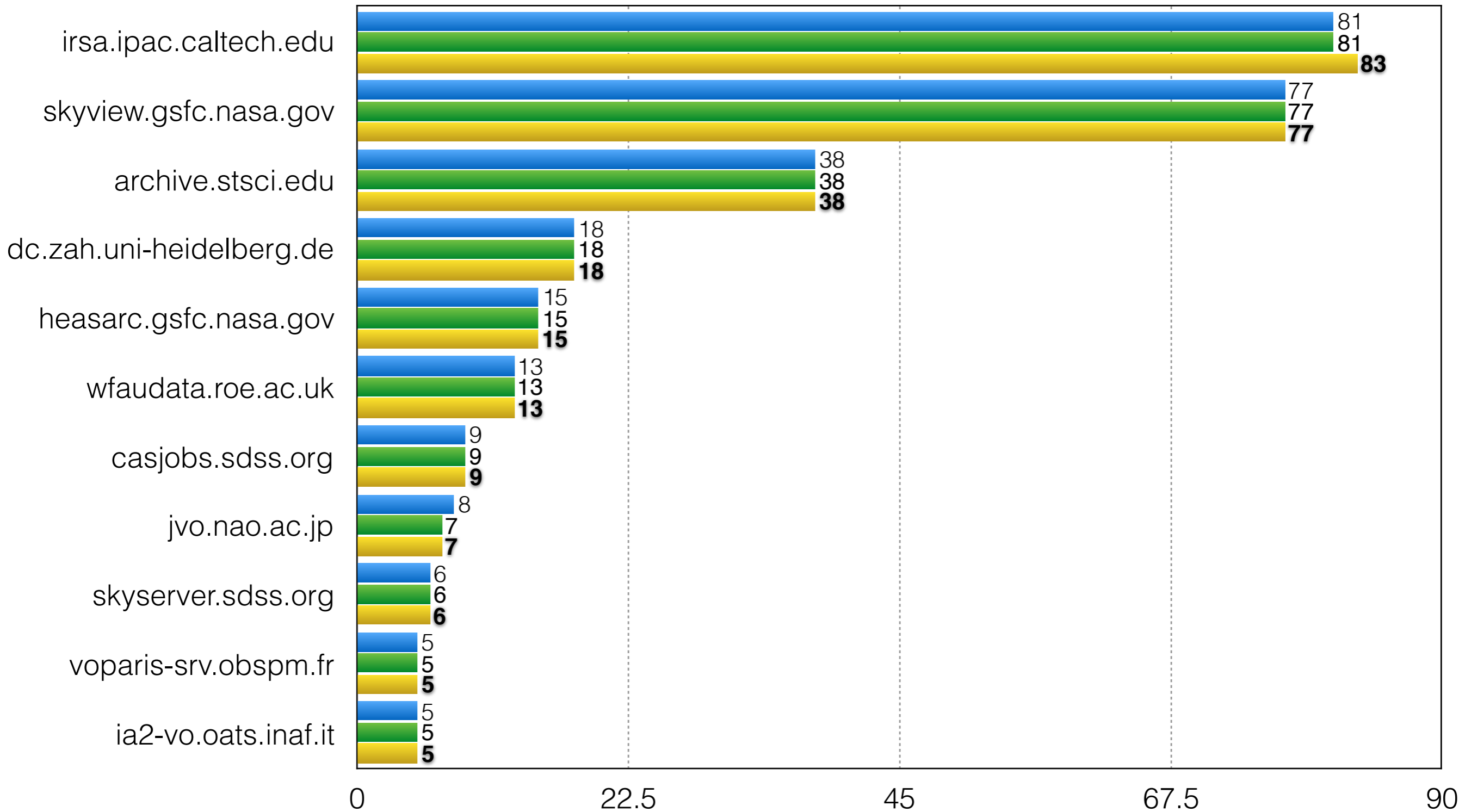
SIA History

Not Respond. Error Valid



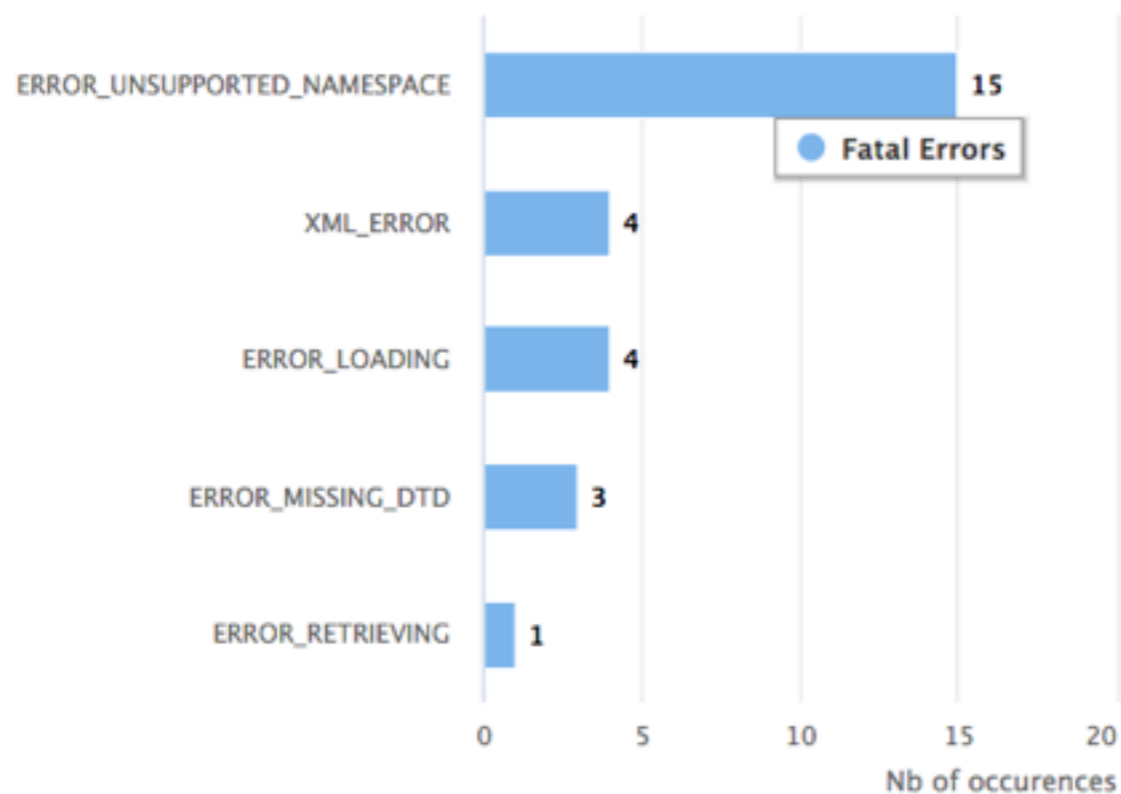
TOP SIA Providers (having more than 4 SIA services)

■ Nb Services 2018-05 ■ Nb Services 2018-10
■ Nb services 2019-05

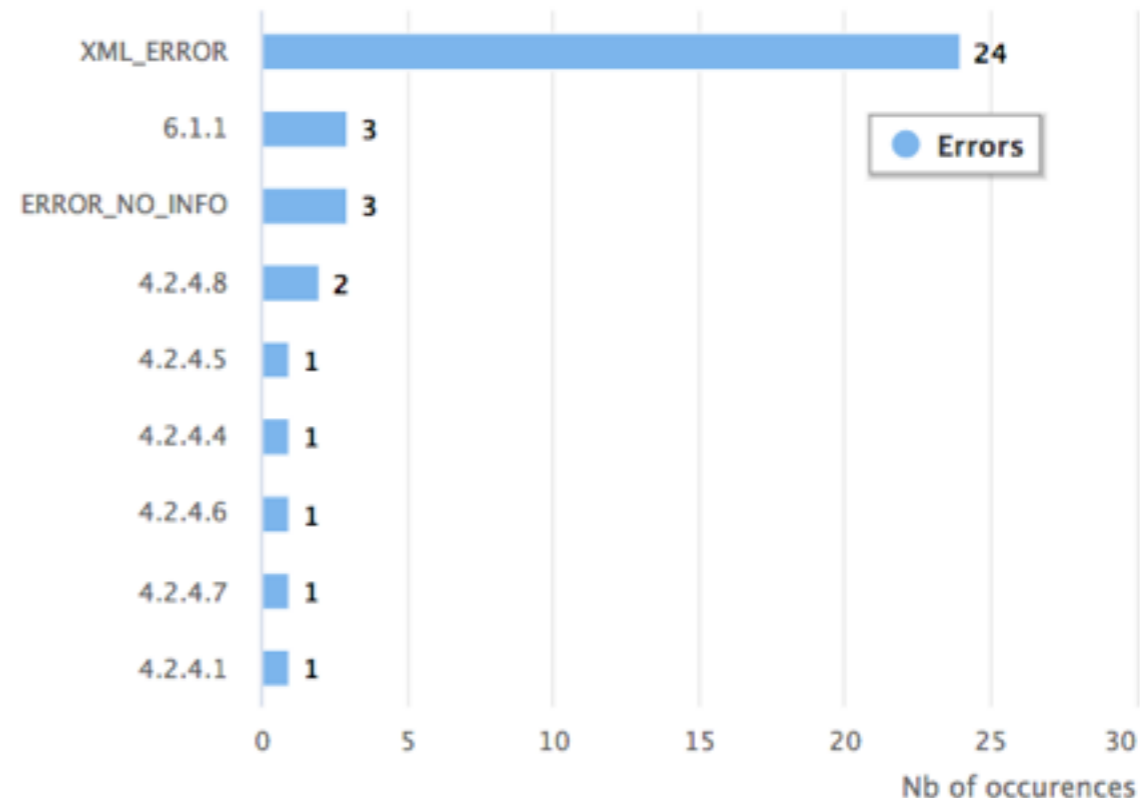


SIA error frequencies

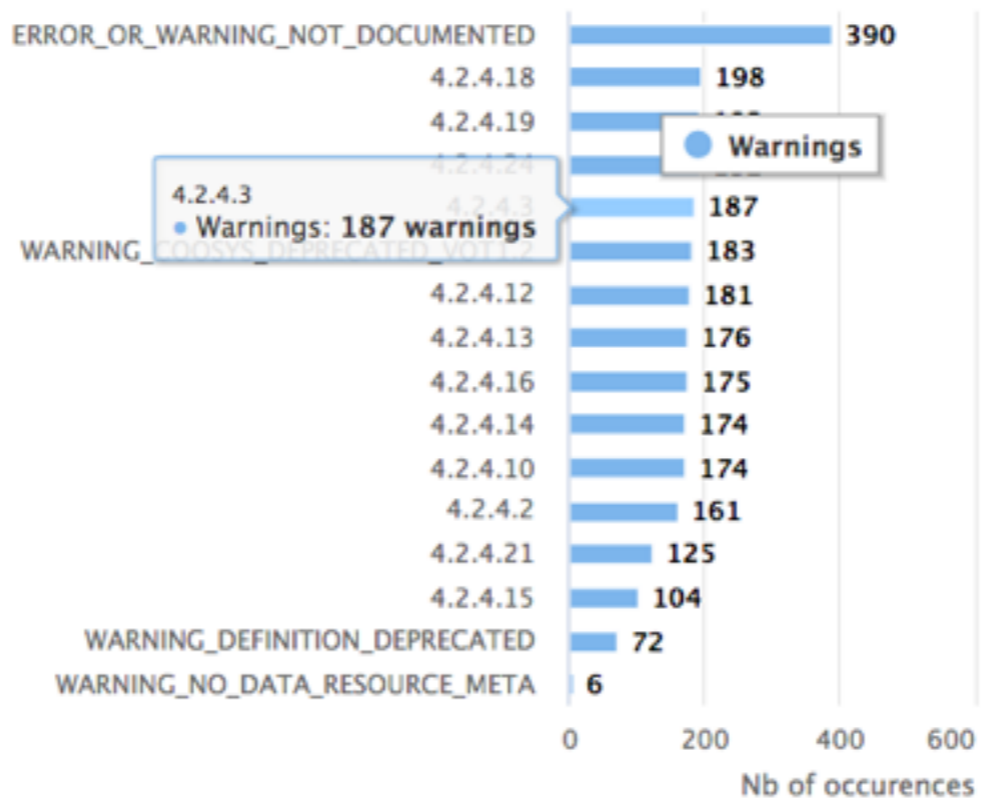
Fatal Errors Frequencies



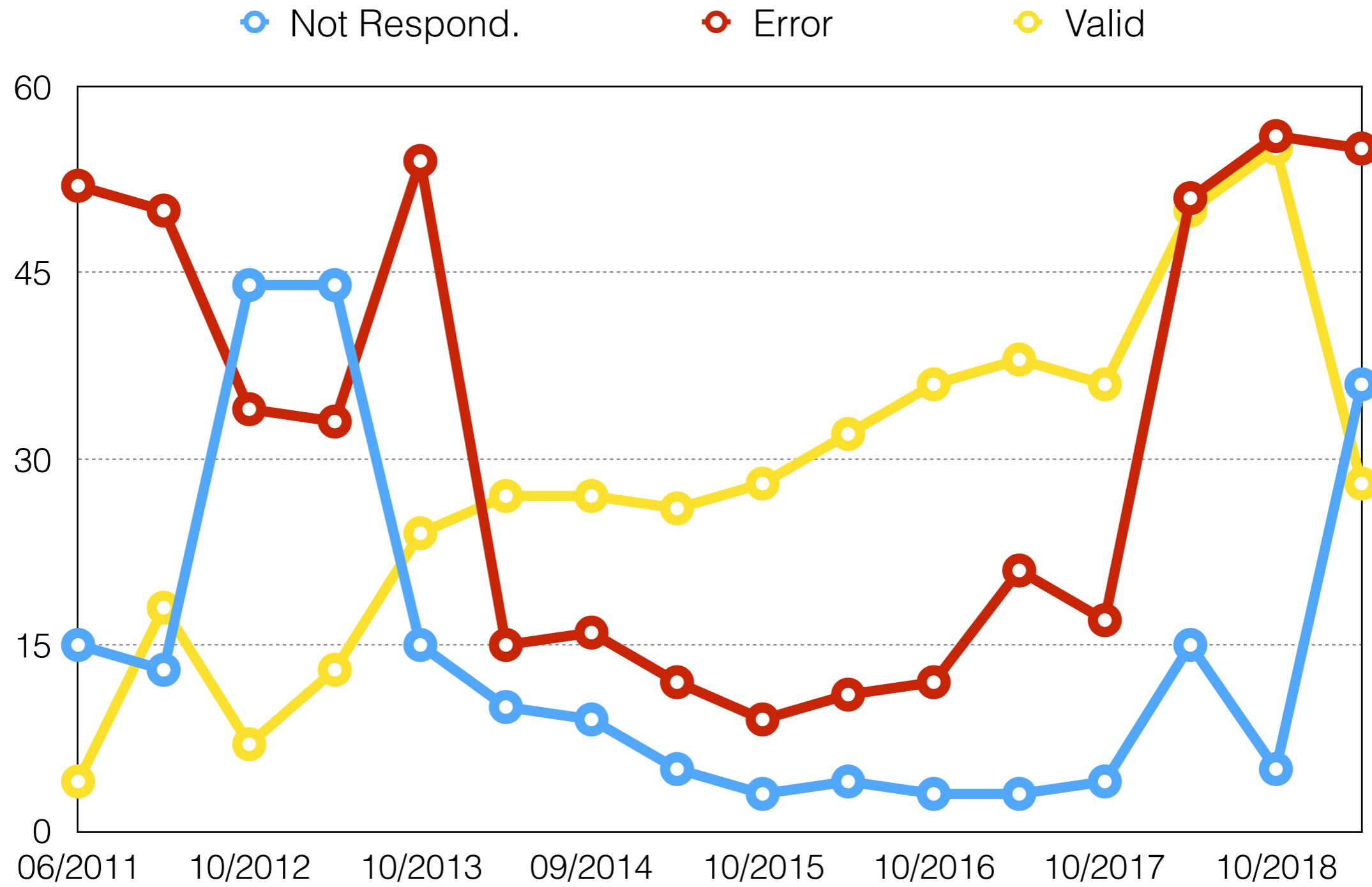
Errors Frequencies



Warnings Frequencies



SSA History



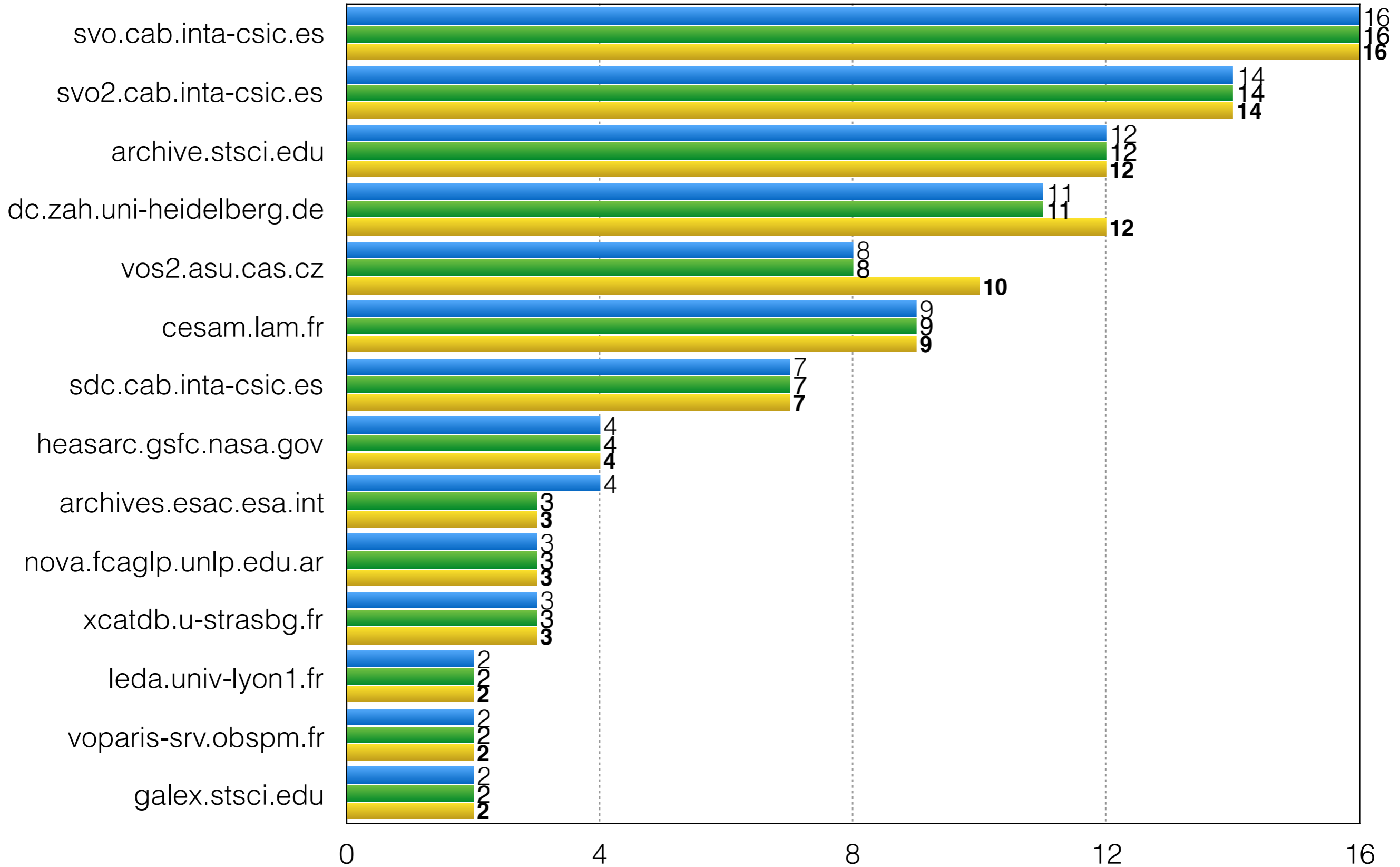
SSA: The version problem

- 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

TOP SSA Providers (having more than 1 SSA service)

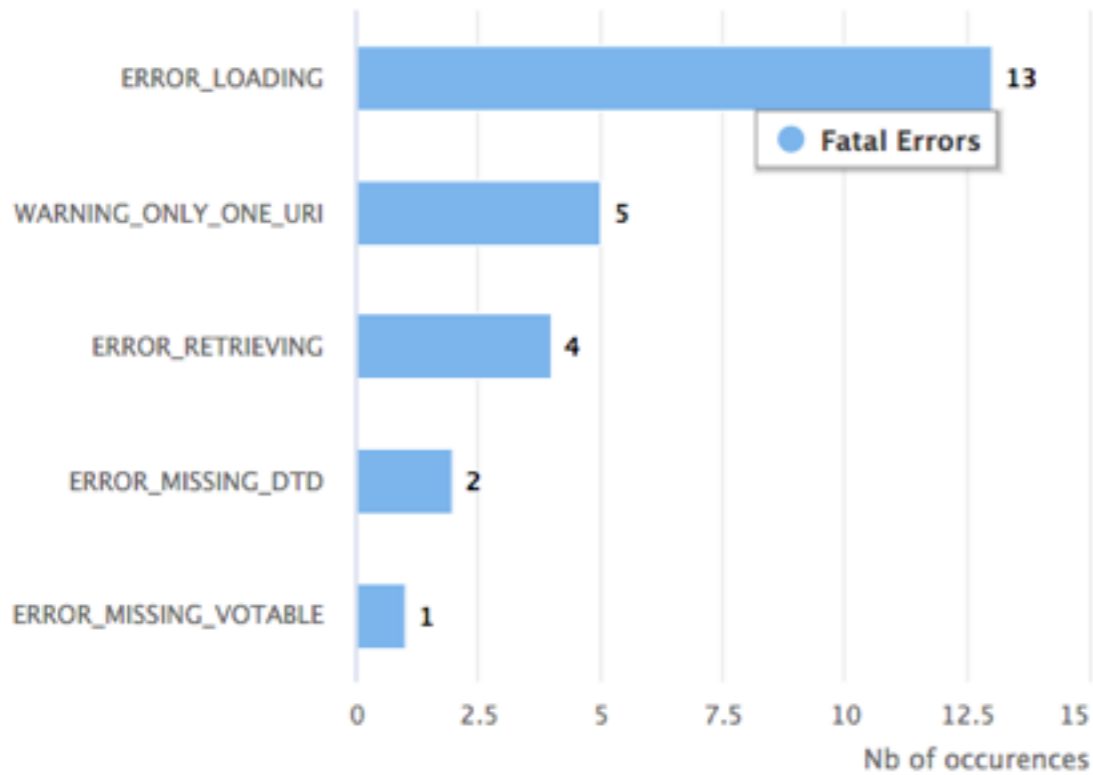
■ Nb Services 2018-05
■ Nb services 2019-05

■ Nb Services 2018-10

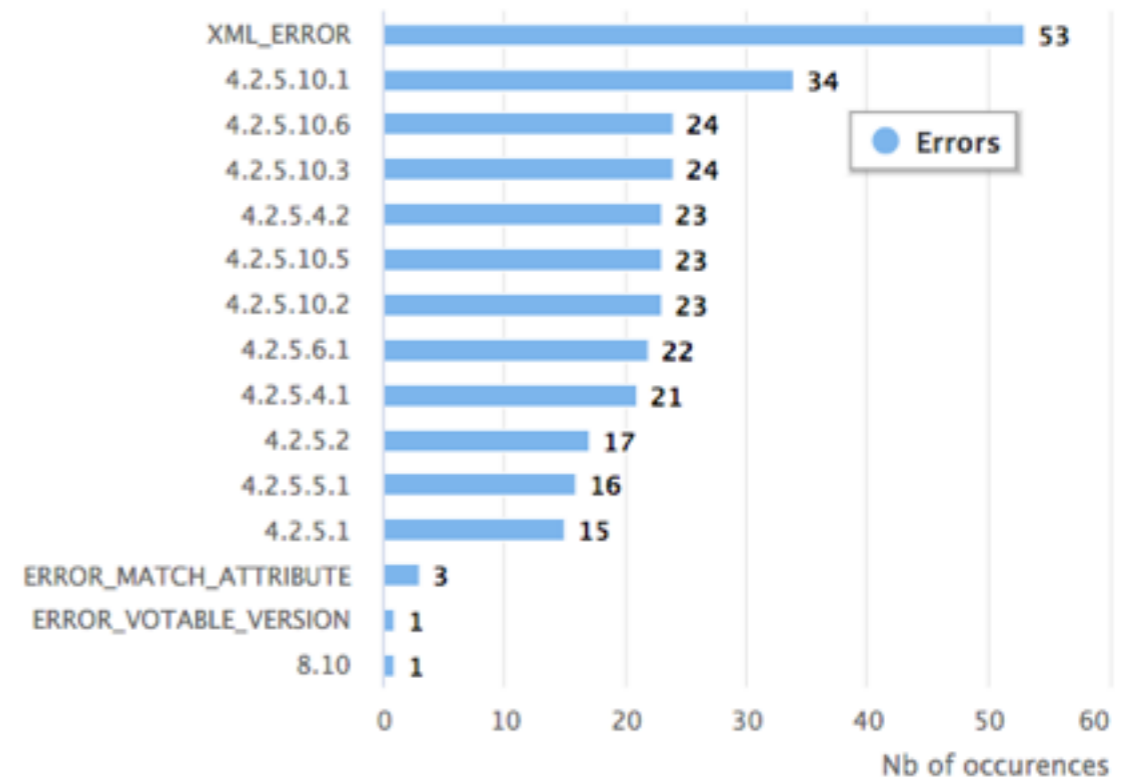


SSA error frequencies

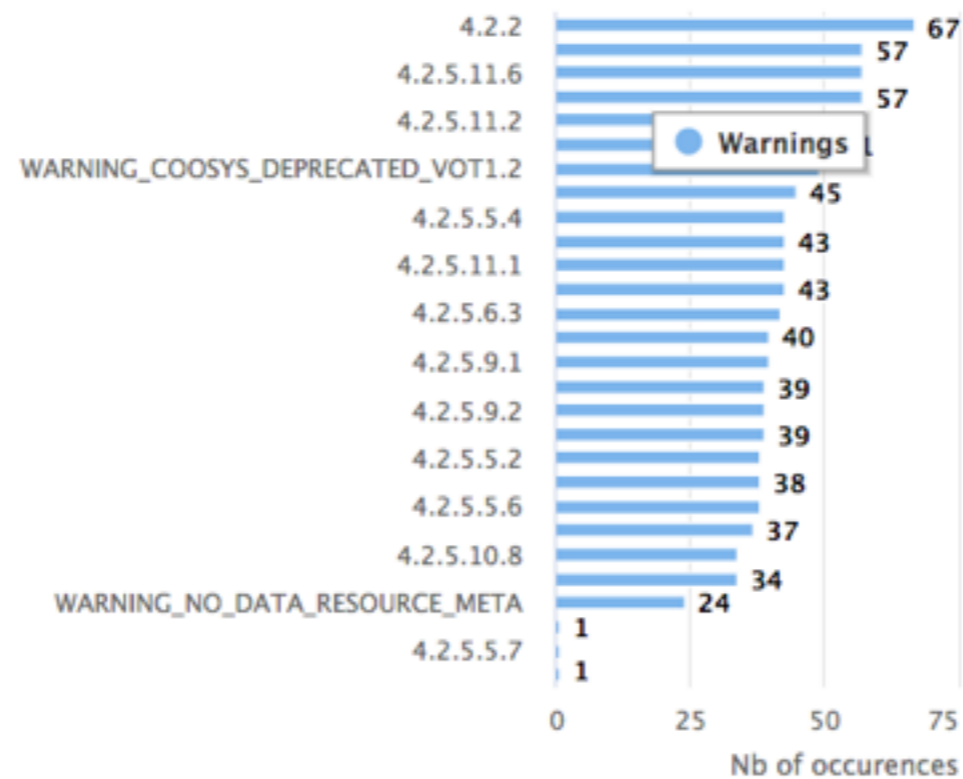
Fatal Errors Frequencies



Errors Frequencies



Warnings Frequencies



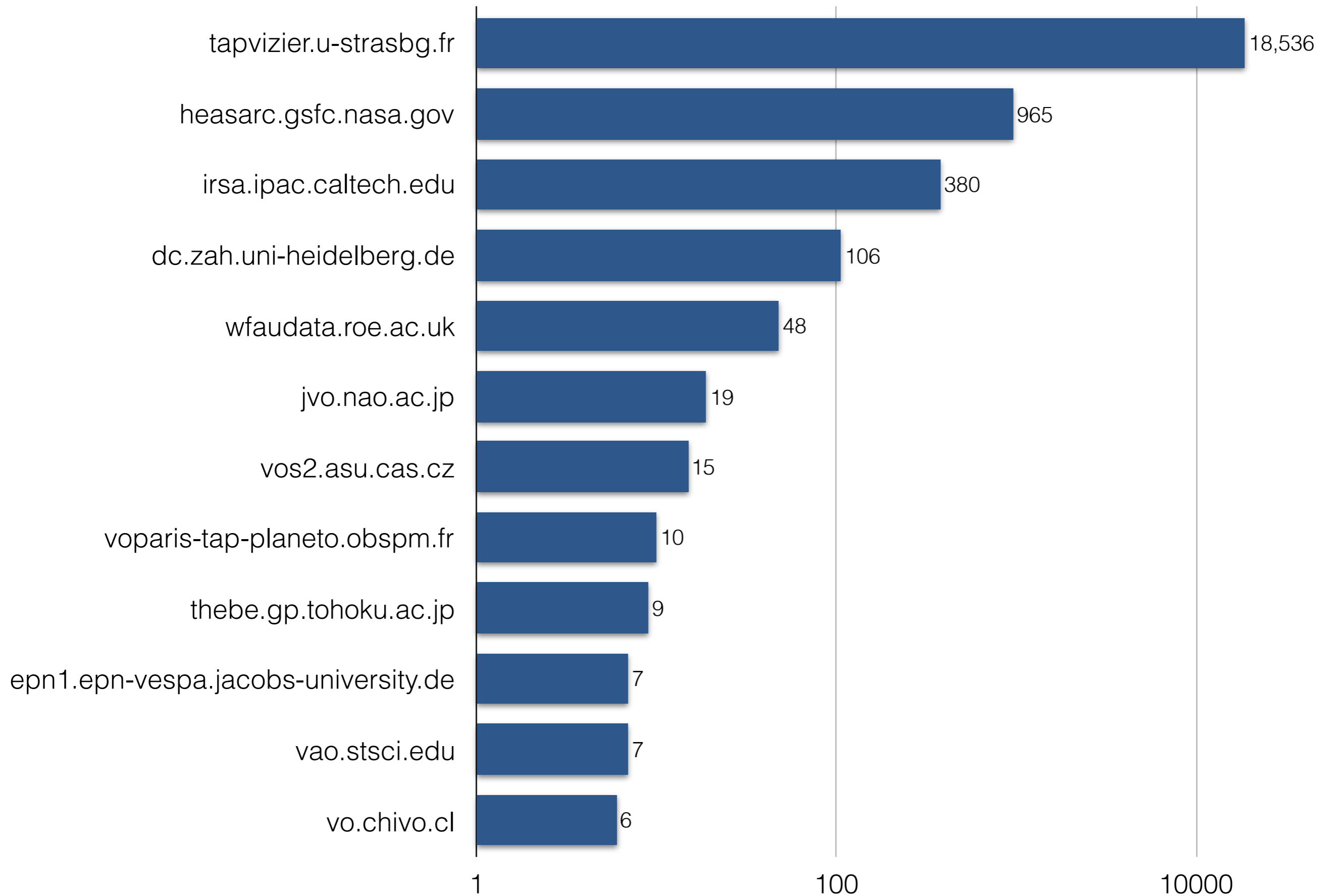
TAP Services

- Monitoring with taplint began in 2018 with 131 URLs as of 2018-05
- 2019-05: Servers: 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

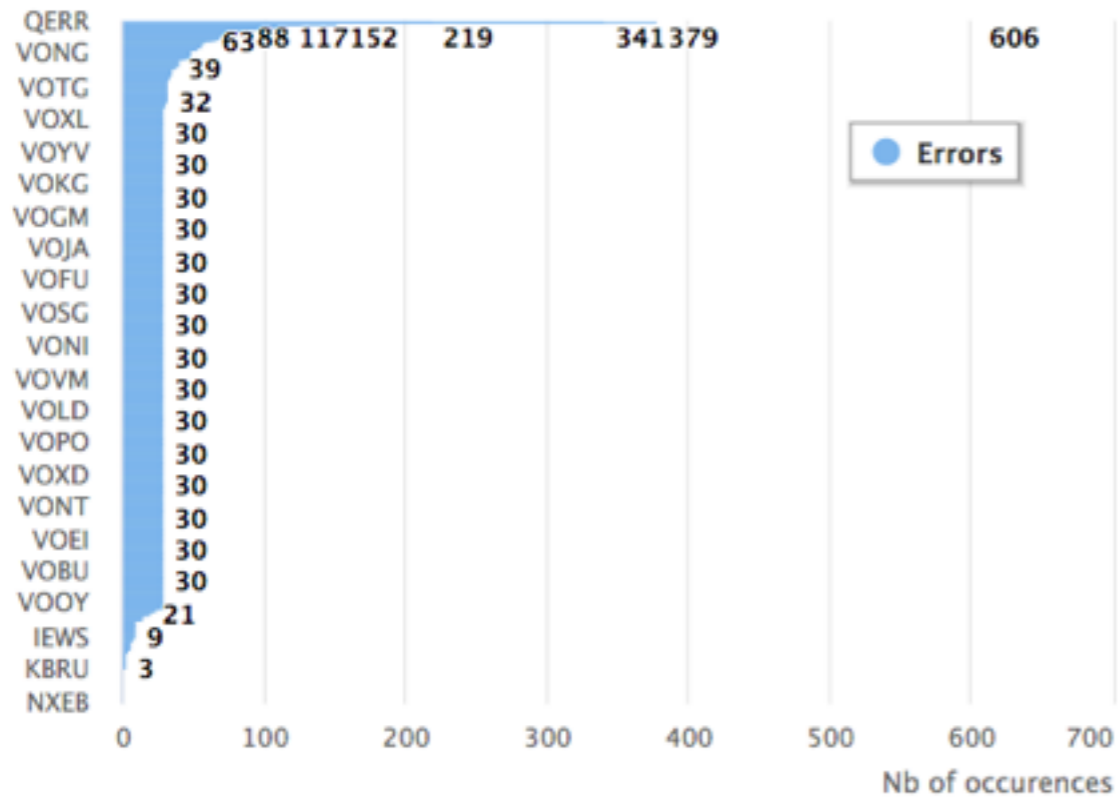
(having more than 5 service)

■ Nb Services 2019-05

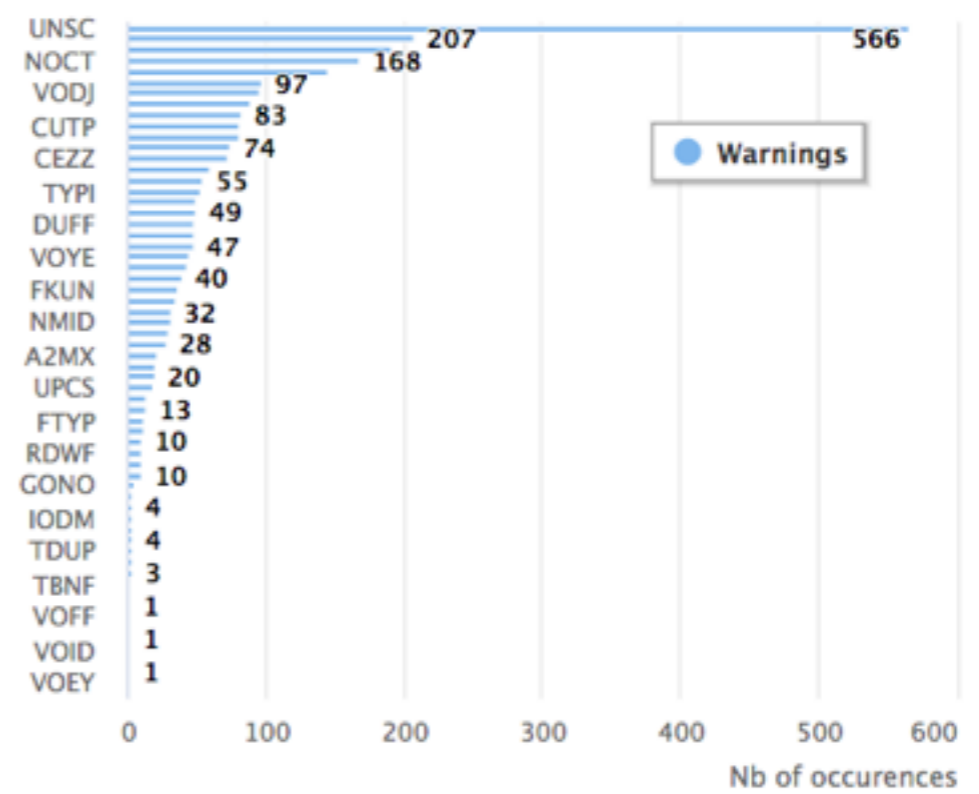


TAP error frequencies

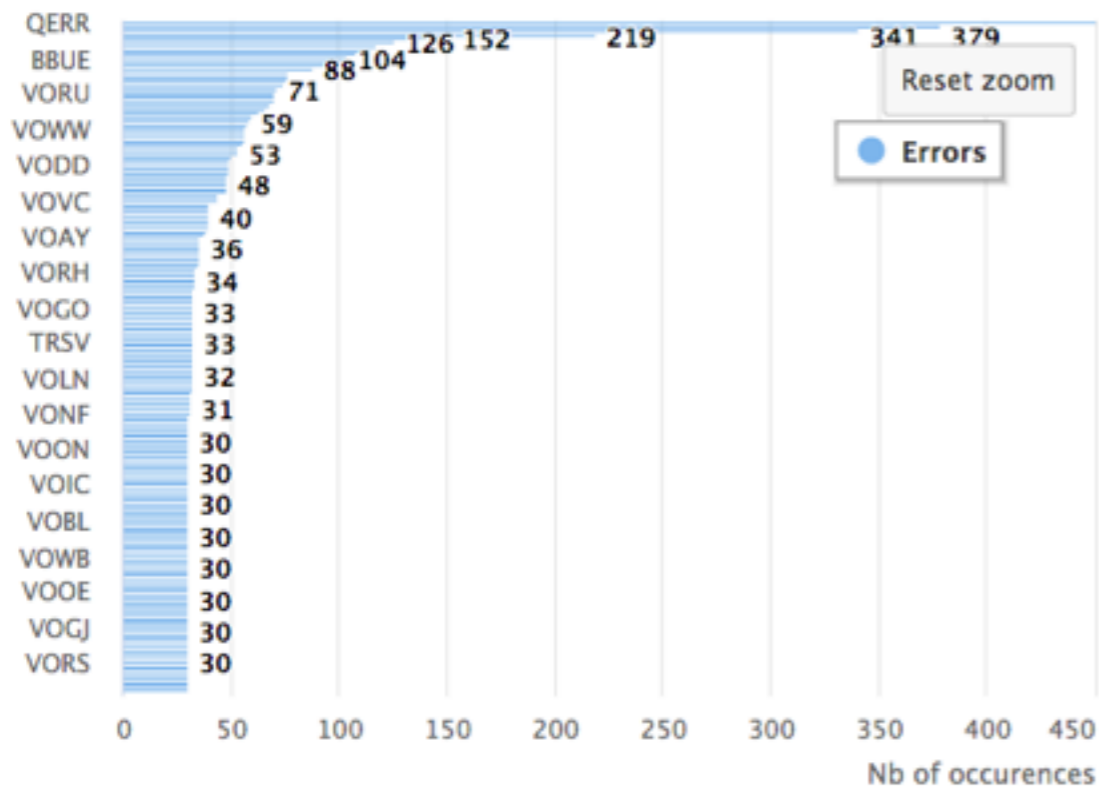
Errors Frequencies



Warnings Frequencies



Errors 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/>
 - <https://voparis-validation-reports.obspm.fr/> (**NEW!**)
- **API** available to get results in JSON format <https://voparis-validation2.obspm.fr/validation/API>
- **SIAv2 validator**: stalled because of lack of resources
- **SLAPv2 validator**: almost done (NEW)
- 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 !