

# Euro-VO Registry Weather Report Resources Validation Status

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# Euro-VO Registry v3.0.1 – released in March 2022



Simplified approach for service compliance validation runs

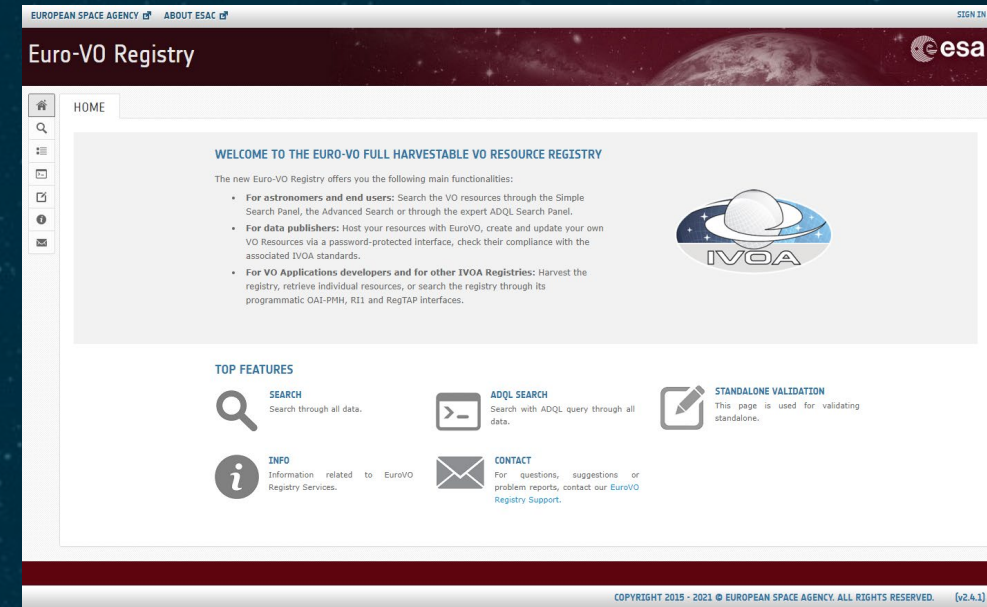
- 2 per month instead of continuous runs
- Will simplify charts and will make comparison easier from one run to another

Fix some issues with SSA validator

New RegTAP implementation (absi-vo-tap is integrated)

Bug fixes and performance improvements

Fix issues related to RofR validator



<http://registry.euro-vo.org>

Development had been put on hold in 2022, due to lack of (human) resources

Operations and minimum support this year through Sara Nieto (RHEA)

New contract with Winter Way as of Sept. 2022 for development and operations (Mattias Wångblad)

=> *Fresh eyes to look at issues, revealing unexpected “features”, fixes and improvements now to come*



Euro-VO Registry own validators for protocols:

- Simple Cone Search (SCS) v1.03
- Simple Image Search (SIA) v1.0 & v2.0
- Simple Spectral Access (SSA) v1.1

Euro-VO Registry external validator

- Table Access Protocol (TAP) v1.0 & v1.1 using Taplint



# Euro-VO Registry validators – unexpected “features”

Additional “&” in the test url causing a lot of services to fail and then marked as non-compliant

- Affecting ConeSearch, SIAP and SSA resources
- [https://irsa.ipac.caltech.edu/SCS?table=allsky\\_3band\\_p1ba\\_mch&&RA=39.47569&DEC=18.89512&SR=0.00280](https://irsa.ipac.caltech.edu/SCS?table=allsky_3band_p1ba_mch&&RA=39.47569&DEC=18.89512&SR=0.00280)
- Euro-VO Registry SCS, SIAP and SSA Validators to be corrected

RA/Dec (Lat/Lon) swapped in the test url causing confusion for various services (when Lat >90)

- Affecting SIAP and SSA resources
- <http://archive.stsci.edu/ssap/search2.php?id=STIS&&REQUEST=queryData&POS=52.99000,297.66000&SIZE=0.02000>
- <http://archive.stsci.edu/siap/search.php?id=XMM-OM&&POS=-21.30000,326.60000&SIZE=5.00000,5.0000>
- Euro-VO Registry SIAP and SSAP Validators to be corrected



• **Compliant** (no requirement fails)

- 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

• **partially compliant** (some (but not all) requirements fail)

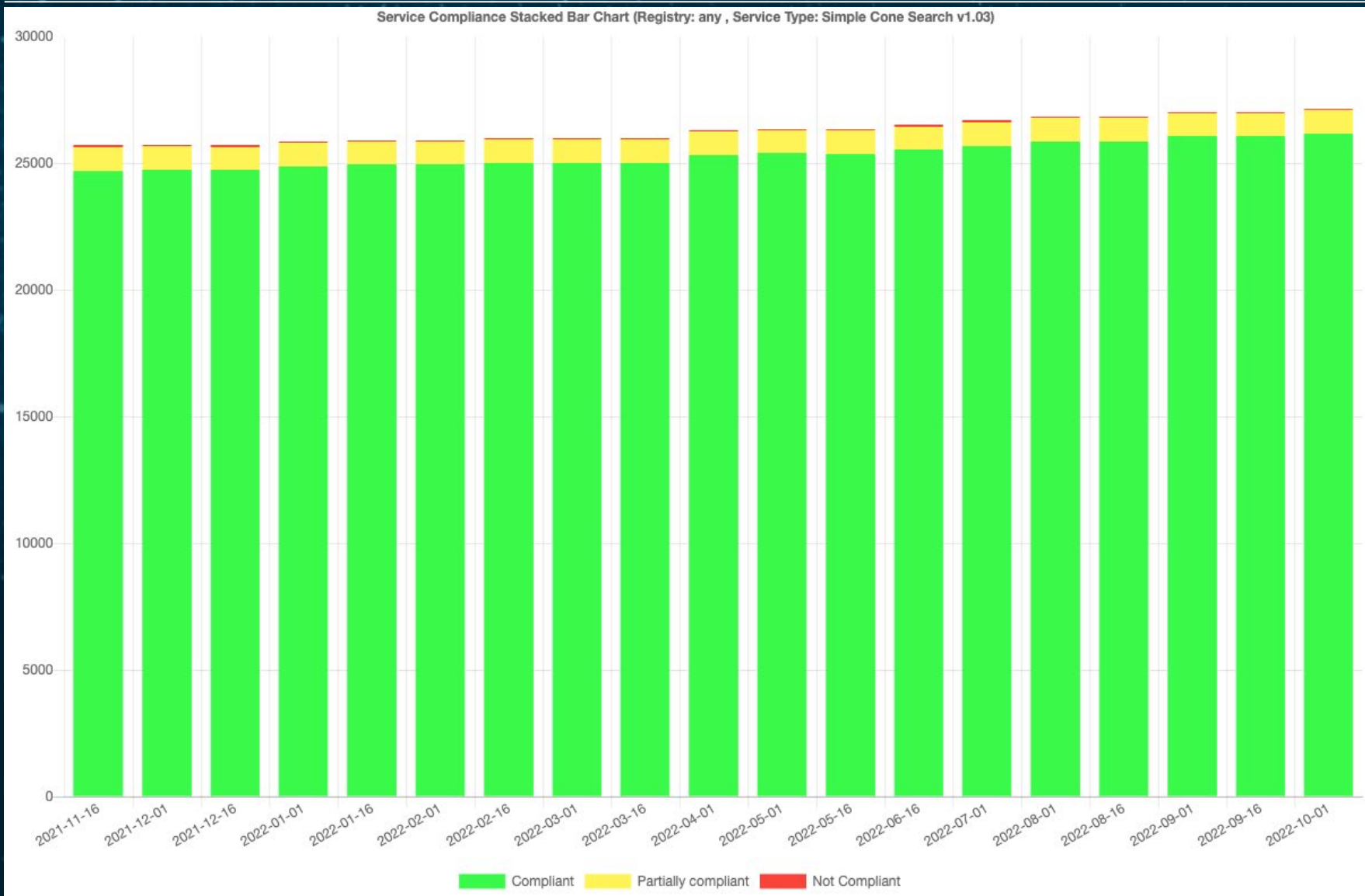
- C** at least one (1) req fails, but at least one (1) req equally succeeds
- C-** at least two (2) reqs fail, but at least one (1) req equally succeeds
- C--** at least three (3) reqs fail, but at least one (1) req equally succeeds

• **not compliant** (all requirements fail)

- D** all reqs fail but some other criterion (of lesser importance) succeeds
- E** no criterion succeeds

Criterion Type	
name	description
REQUIREMENT	Tests drawn from 'MUST' statements in the respective standard
WARNING	Tests drawn from strongly encouraged 'SHOULD' statements in the respective standard
RECOMMENDATION	Tests drawn from 'SHOULD' statements in the respective standard
EXTRA	Criteria not defined in the IVOA 'Service Validation' wiki

# Simple Cone Search (SCS)

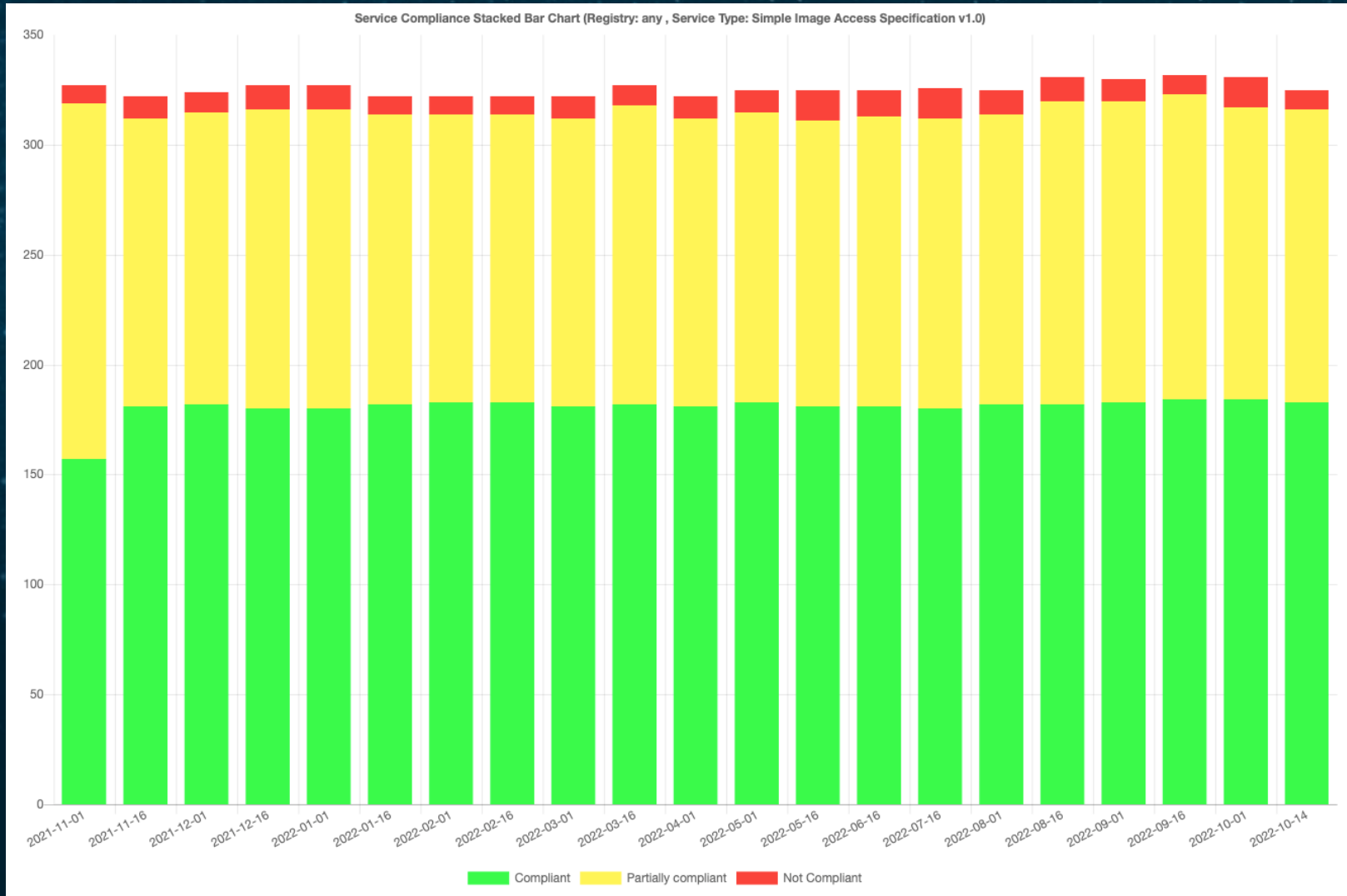


Euro-VO Registry validator to be updated to deal with some of the “fake” non compliant services

(see previous slides)



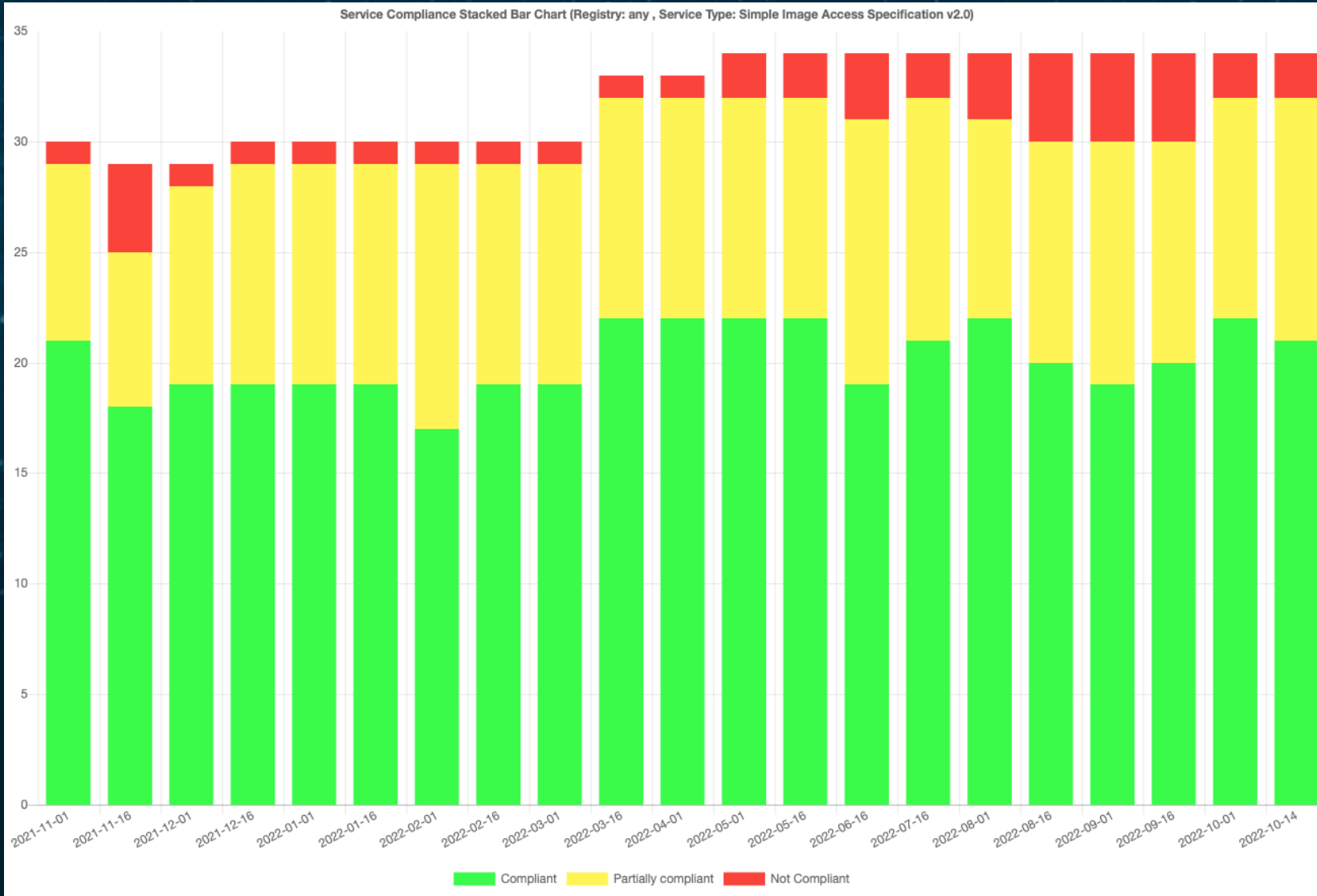
# SIAP – Simple Image Access Protocol v1.0



Euro-VO Registry validator to be updated to deal with some of the “fake” non compliant services (see previous slides)



# SIAP – Simple Image Access Protocol v2.0

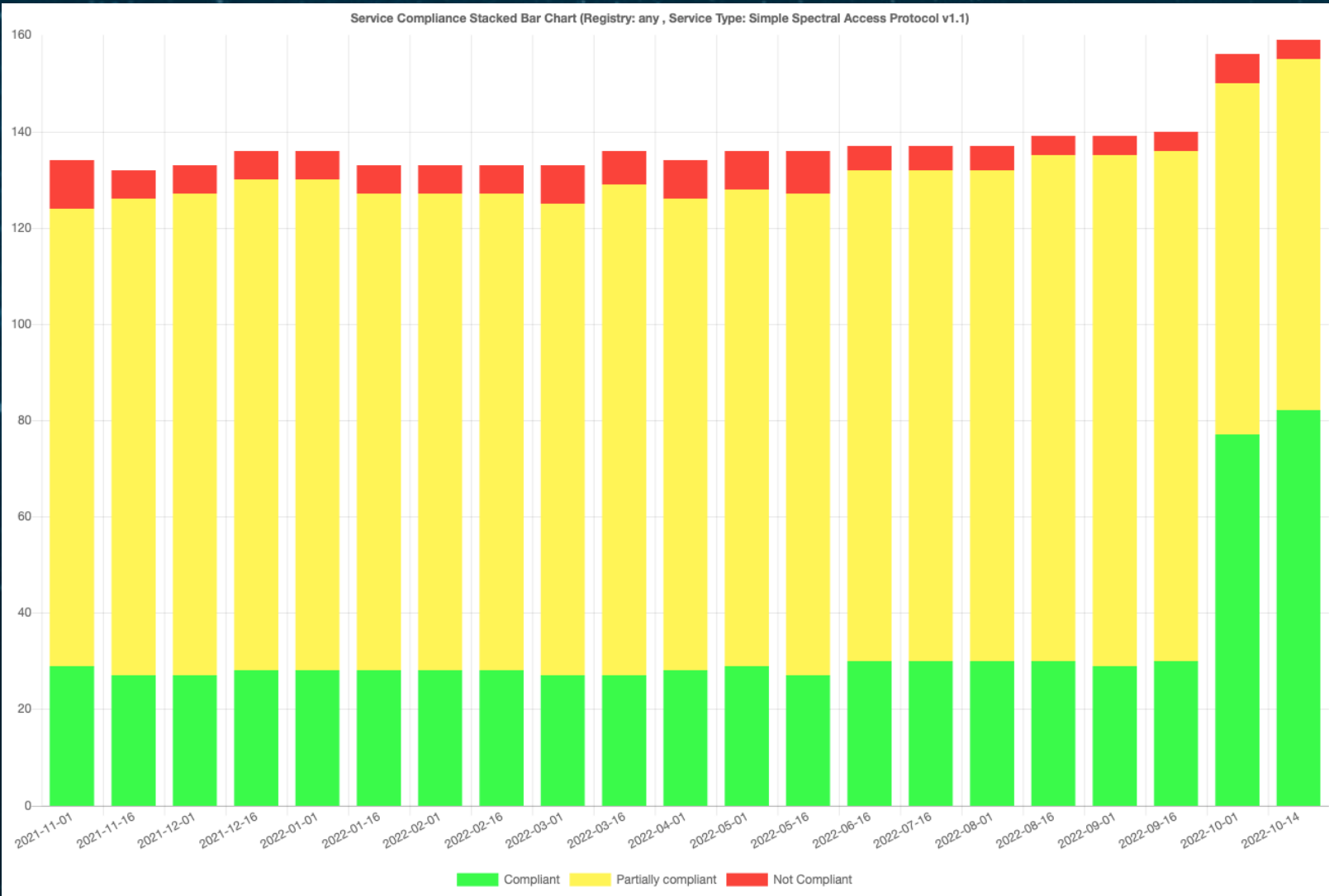


Euro-VO Registry validator to be updated to deal with some of the “fake” non compliant services (see previous slides)





# SSA – Simple Spectra Access Protocol v1.1



Euro-VO Registry validator to be updated to deal with some of the “fake” non compliant services (see previous slides)

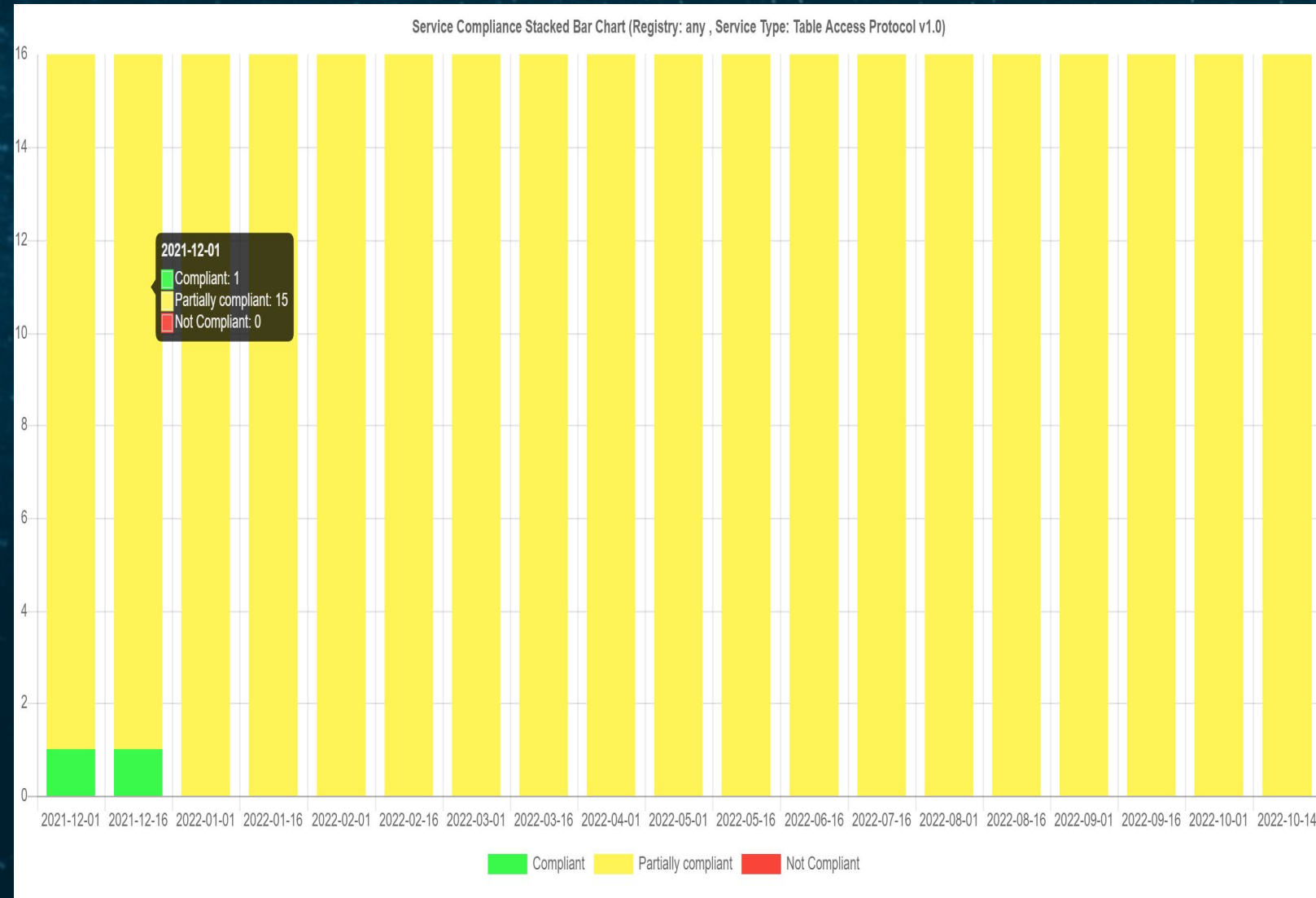
In September,

- 48 new SSAP services with A:
- 47 from svo2 and +1 from IRAP



# TAP - Table Access Protocol v1.0

Service Compliance Stacked Bar Chart (Registry: any , Service Type: Table Access Protocol v1.0)



All seem to be having some issues

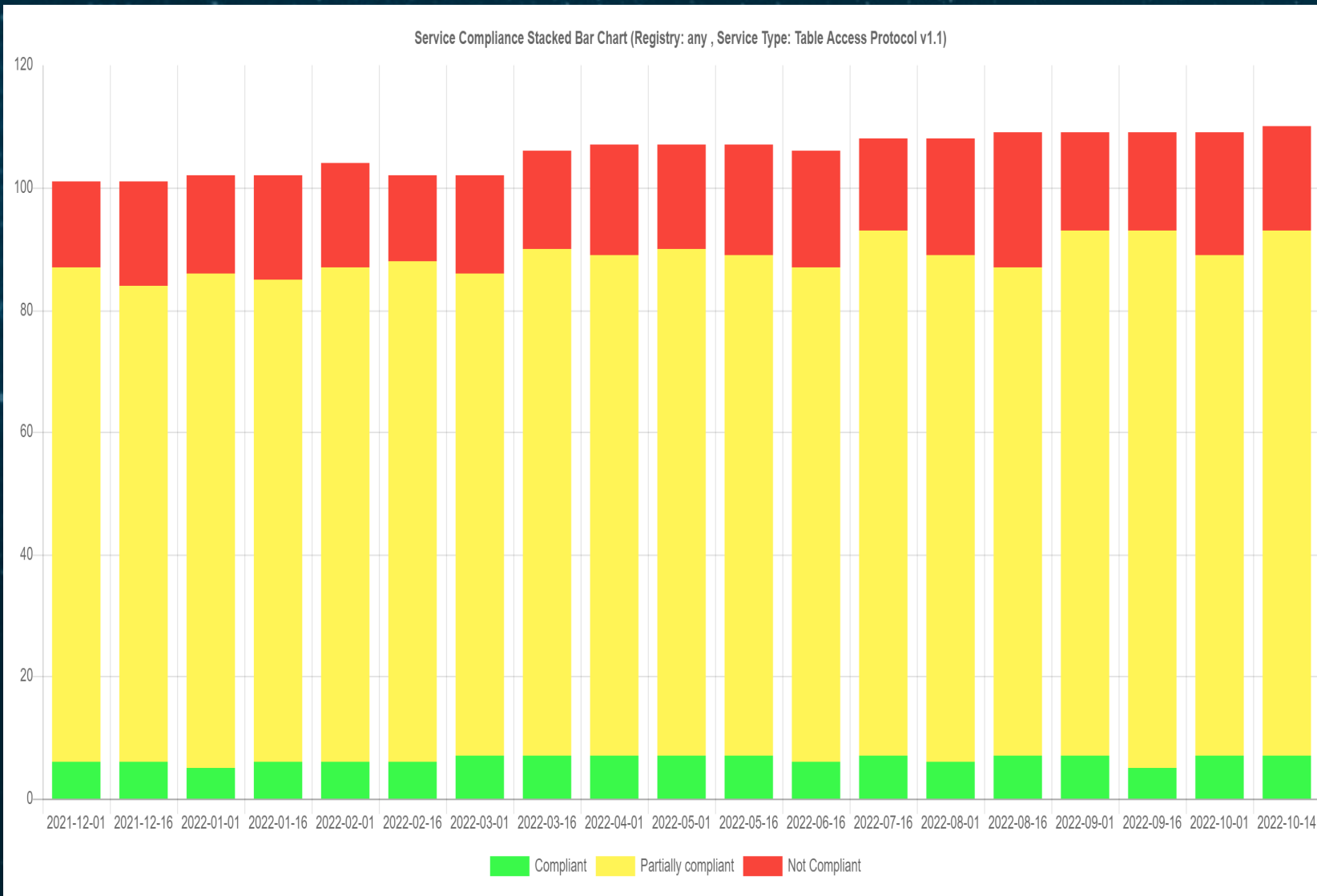
15 services from same Publisher have issues with the tap\_schema

- `SELECT column_name FROM TAP_SCHEMA.columns` gives `ERROR: column t0.column_order does not exist`
- `SELECT * from tap_Schema.keys` gives `ERROR: column t0.db_name does not exist`

Need to contact relevant Publisher



# TAP - Table Access Protocol v1.1



62 out of 109 services require the parameter "request=doQuery" which has been removed in TAP1.1 but is present in TAP1.0 standard

- Should we put it back in the specs?
- Should TAP services be fixed ?



# Conclusions and next steps

Validation runs are now run twice a month, making easier to do comparison across times

All Euro-VO Registry Validators will be updated to fix some issues

More detailed analysis for most common non-compliant issues will be resumed for next interop.

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