

Embedding and controlling ESASky in your app with an iframe and TAP interoperability

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What's coming with ESASky v3.2



- ESASky Javascript API using HTTP standard POST messages:
 - control ESASky embedded in a iframe in a web page
 - plot user catalogues or footprints as if they were part of ESASky
- Coordinates grid
- HiPS slider



What's coming with ESASky v3.2



- Improved search:
 - by target name (SIMBAD and SSODnet)
 - by author (SIMBAD)
 - by publication (SIMBAD)

- More data (ALMA, Spitzer, Lamost, Akari)



- Metadata ingestion (ingestion library TAP, IPAC table, CSV) -> Integration in the ESASky integration context with links to data providers <-> validation with mission and/or metadata provider -> Publication in ESASky
- Pros:
 - metadata always available, metadata retrieval fast
- Cons:
 - Disk space occupied (metadata, indexes stored in the database)
 - Integration and validation time

- External TAP services:
 - ESO and CADC TAP (ObsCore -> s_region)
 - user defined TAP (by providing TAP URL and ADQL query)
 - Datalink (not yet available)
- Pros:
 - no space occupied, fast and easy to integrate (at runtime), access to any data available through TAP service
 - data curation by data providers
- Cons:
 - network speed can be the bottleneck

demo

Some useful links



ESASky: <https://sky.esa.int>

ESASky feedback platform: <https://esdc.userecho.com/communities/1-esasky>

pyESASky github page: <https://github.com/esdc-esac-esa-int/pyesasky>

ESASky doc page: <https://www.cosmos.esa.int/web/esdc/esasky-how-to>



Thank you

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