

The <http://eida-federator.ethz.ch/>

for European Seismic Waveform Data:

FDSNws/dataselect, FDSNws/station, EIDAws/wfcatalog

EIDA default data access:

Q (-> routing): Who provides waveforms of [a type], [an area], [a time interval]?

A (<- routing): node X has stations a, b, c; node Y has stations d, e.

Q (-> node X): gimme waveforms of stations a, b, c for [a time interval]

A (<- node X): here you go...

Q (-> node Y): gimme waveforms of stations d, e for [a time interval]

A (<- node Y): here you go...

EIDA Federator data access:

Q (-> federator): Gimme waveforms of [a type], [an area], [a time interval]

A (<- federator): [collecting for you ...] Here you go.

Federator **goodies** and **limitations**:

- Single point of contact
- Data requests for virtual networks
- Intelligent request decomposition, caching & streaming
- No authenticated requests
- Limited completeness & error information