

# Billions of readings. One database. Full control.

TopoFlix is the toposoft data system: time series, master data and geo data in one system – operated through the GUI in the browser, open to SQL, scripts and your own applications.

## Time series are more than pairs of values.

Optimised attribution lets a wide range of versions and aggregations sit side by side, all of them fast to query.

Several processing levels (qualities) per time series – the raw data stays untouched and is kept permanently.

## WHY TOPOFLIX

- Hundreds of thousands of readings per second, from any source and any measuring network
- In our benchmarks faster than InfluxDB, on par with QuestDB – at a fraction of the storage footprint
- Finely attributable: origin, unit, measuring method, aggregation and more
- Access via SQL, JSON or Line Protocol – without proprietary clients or APIs
- In the cloud or on premises, in production since 1993

## One core, freely combinable

TopoFlix runs on its own. Modules can be added individually – later on as well, and into existing system landscapes.

## ALWAYS INCLUDED

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| <b>TopoFlix</b>            | The data core: time series, master data and geo databases         |
| <b>GUI in the browser</b>  | Configure, visualise, import, export – without a software rollout |
| <b>Ingestion</b>           | Data import via Line Protocol or SQL, no add-on module            |
| <b>Custom applications</b> | Access from SQL clients, Python, JavaScript and your own apps     |

## OPTIONAL ADD-ONS

|                  |                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>TopoRello</b> | Scheduled retrieval from (S)FTP, HTTP(S), process control systems, modems – validated, with alerts                              |
| <b>TopoCast</b>  | Web server running toposoft applications in the browser – with <b>TopoWeb</b> , the construction kit for assembled applications |
| <b>Pulsaro</b>   | Automated exports and reports – Delft-PI, UVF, NearRealTime; via mail, (S)FTP, file folders                                     |
| <b>Azur</b>      | Optimised scripting language: extend the programs as you like, build your own applications                                      |

[www.toposoft.de](http://www.toposoft.de)

toposoft Gesellschaft für Datenbanken und Applikationen mbH

Soerser Weg 10 · 52070 Aachen · Germany

+49 241 92 78 92-0 · [post@toposoft.de](mailto:post@toposoft.de)

Ticket system: [livedaten.net](http://livedaten.net)



Gesellschaft für Datenbanken und Applikationen mbH

# TopoFlix

The data system  
for time series

Time series, master data and geo data in one system – **developed further since 1993**, today open to every industry that measures continuously.

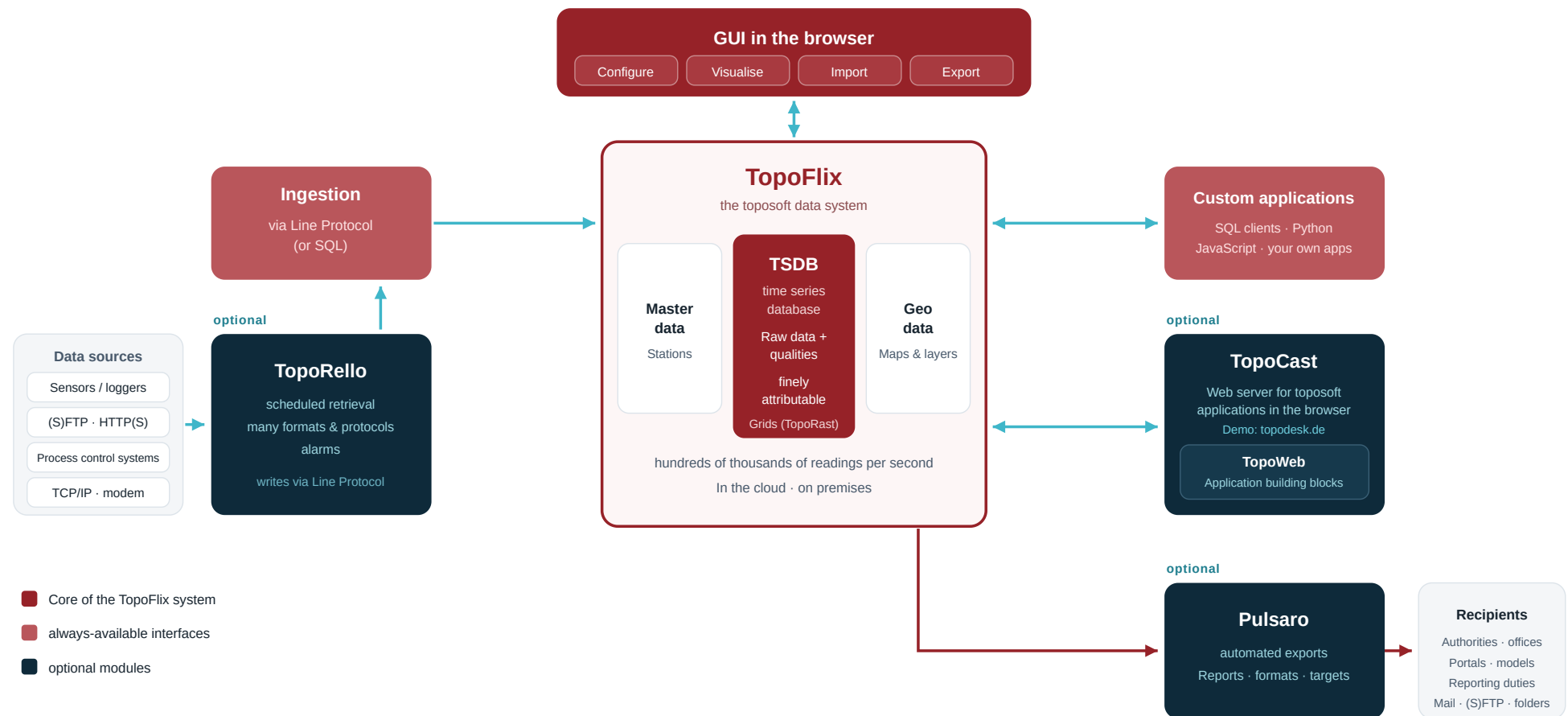
## BUILDING AGGREGATED DATA

```
Let tsid = SELECT tsid FROM ser_catalog
WHERE location="3001005"
AND channel="water level"

SELECT AVG,1d FROM tsid
WHERE time BETWEEN "2009-01-01"
AND "2009-01-10"
```

Live demo in the browser: [topodesk.de](http://topodesk.de)

# From the reading to the report – **TopoFlix** at the core, the modules around it



## Import — data comes in

Measurement data enters TopoFlix via **Line Protocol** or **SQL**. To automate retrieval from loggers, (S)FTP servers or process control systems, add **TopoRello**: scheduled, validated, with alerts.

## Core — data becomes reliable

At the centre the **toposoft time series database**, flanked by master data and geo databases. Raw data stays untouched, validated processing levels sit alongside it. Everything is operated through the **GUI in the browser**.

## Export — data moves on

Your own applications read via SQL, Python or JavaScript. **TopoCast** serves applications in the browser, **TopoWeb** assembles them from building blocks. **Pulsaro** delivers exports and reports to authorities and portals.