



The Timeseries Refinery

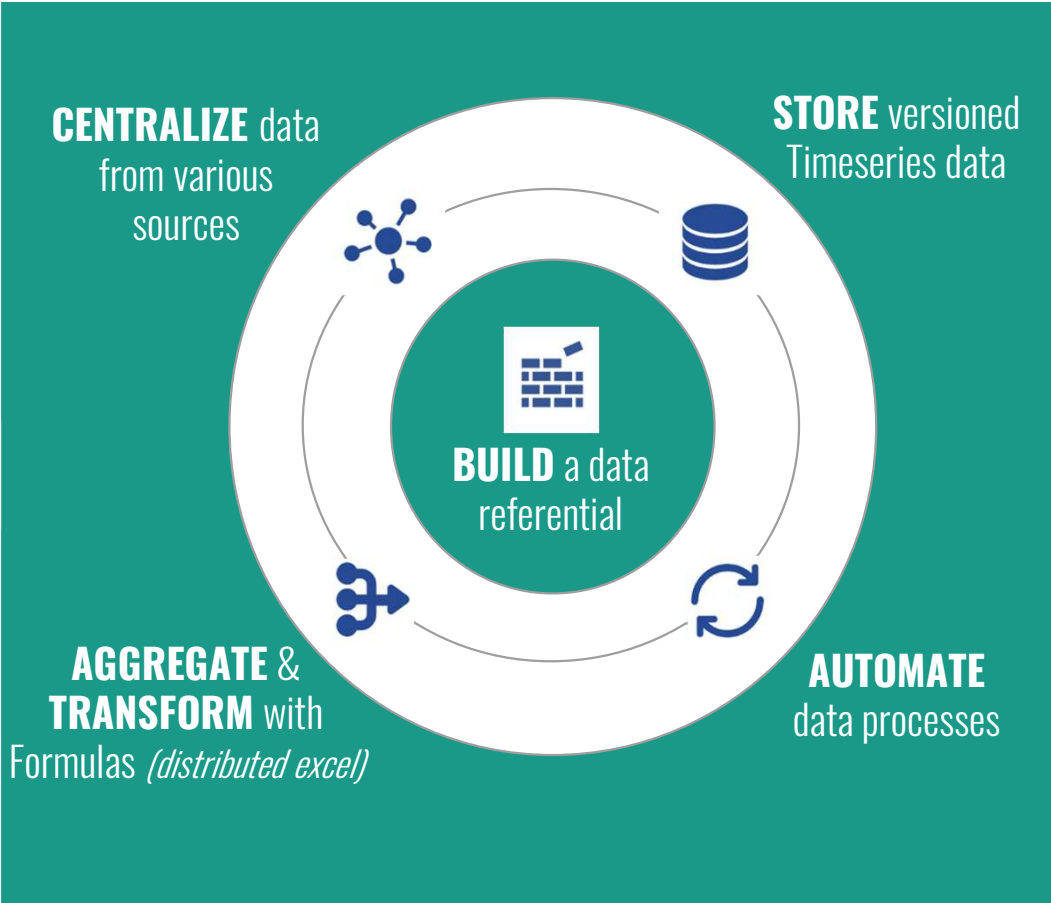
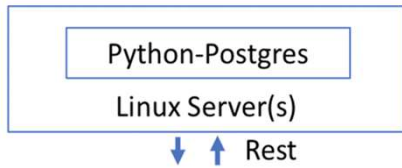
Architecture & Usage

Overview

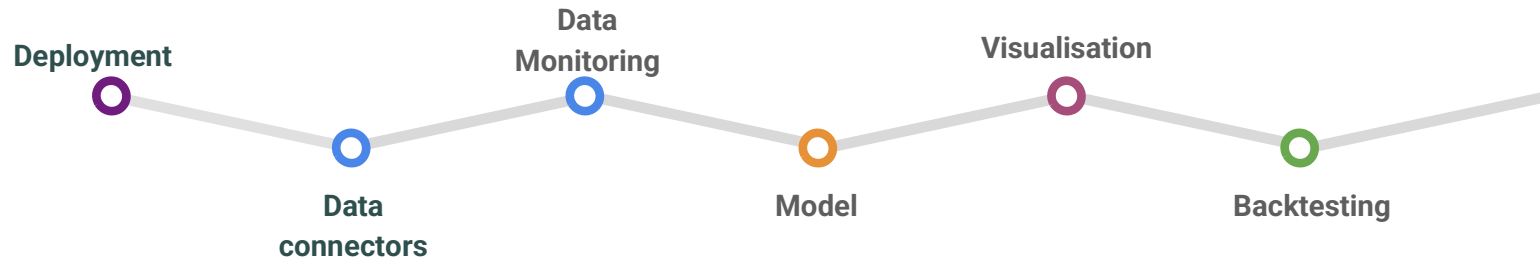
Designed and used by data experts from :



Technical details :



Full Stack

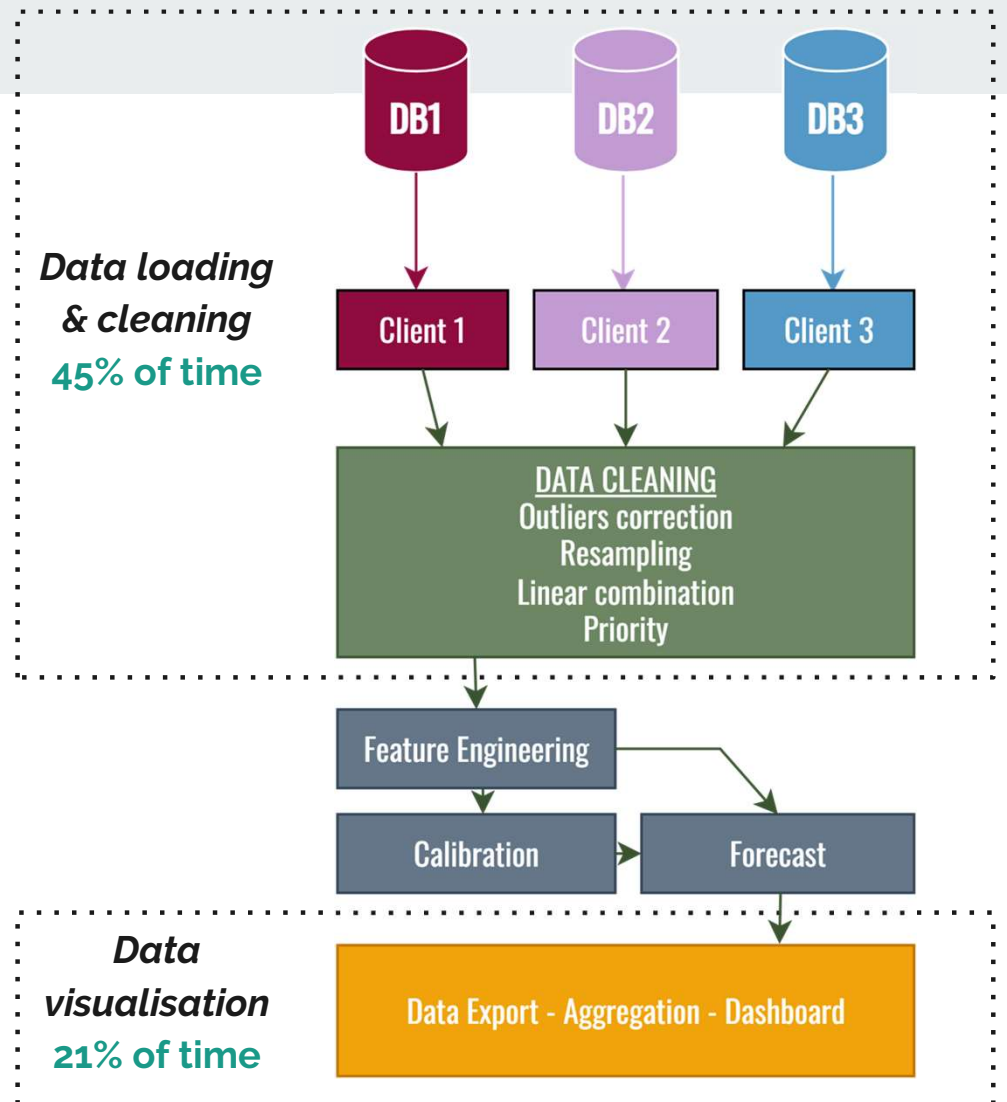


Data scientists activity

Core Activity
34% of time

66% of Data scientists work:

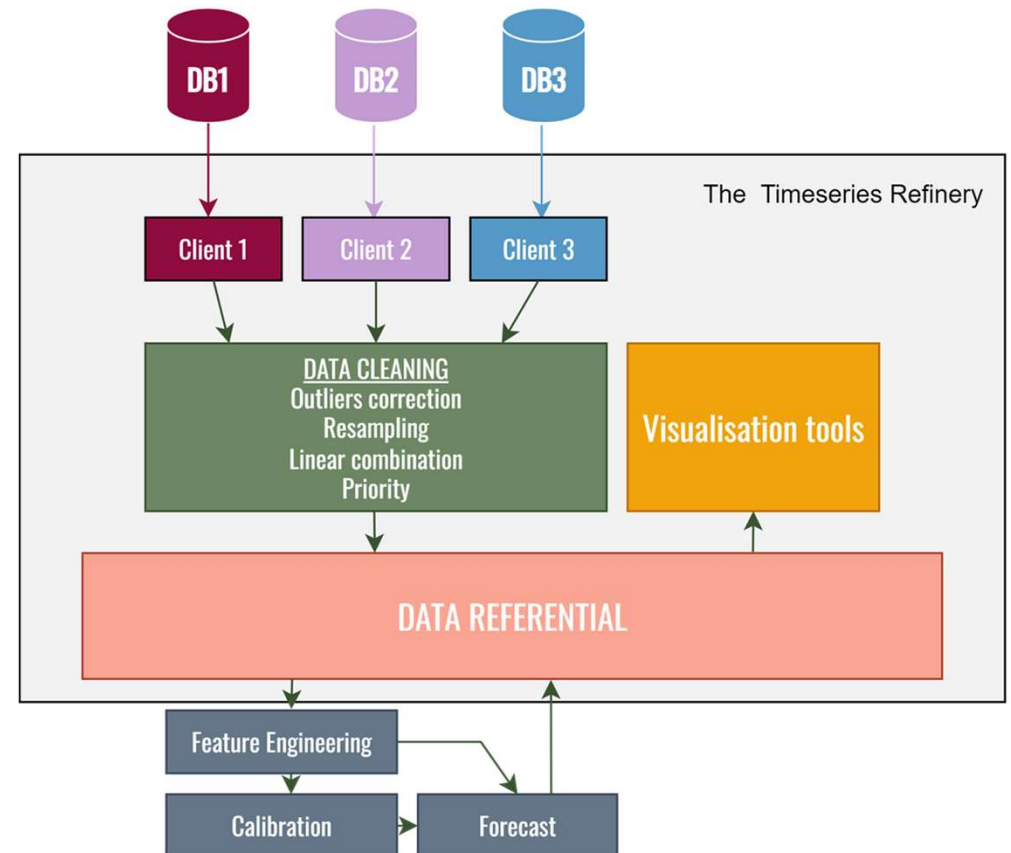
- mostly IT
- only in code repository
- must be redone each time

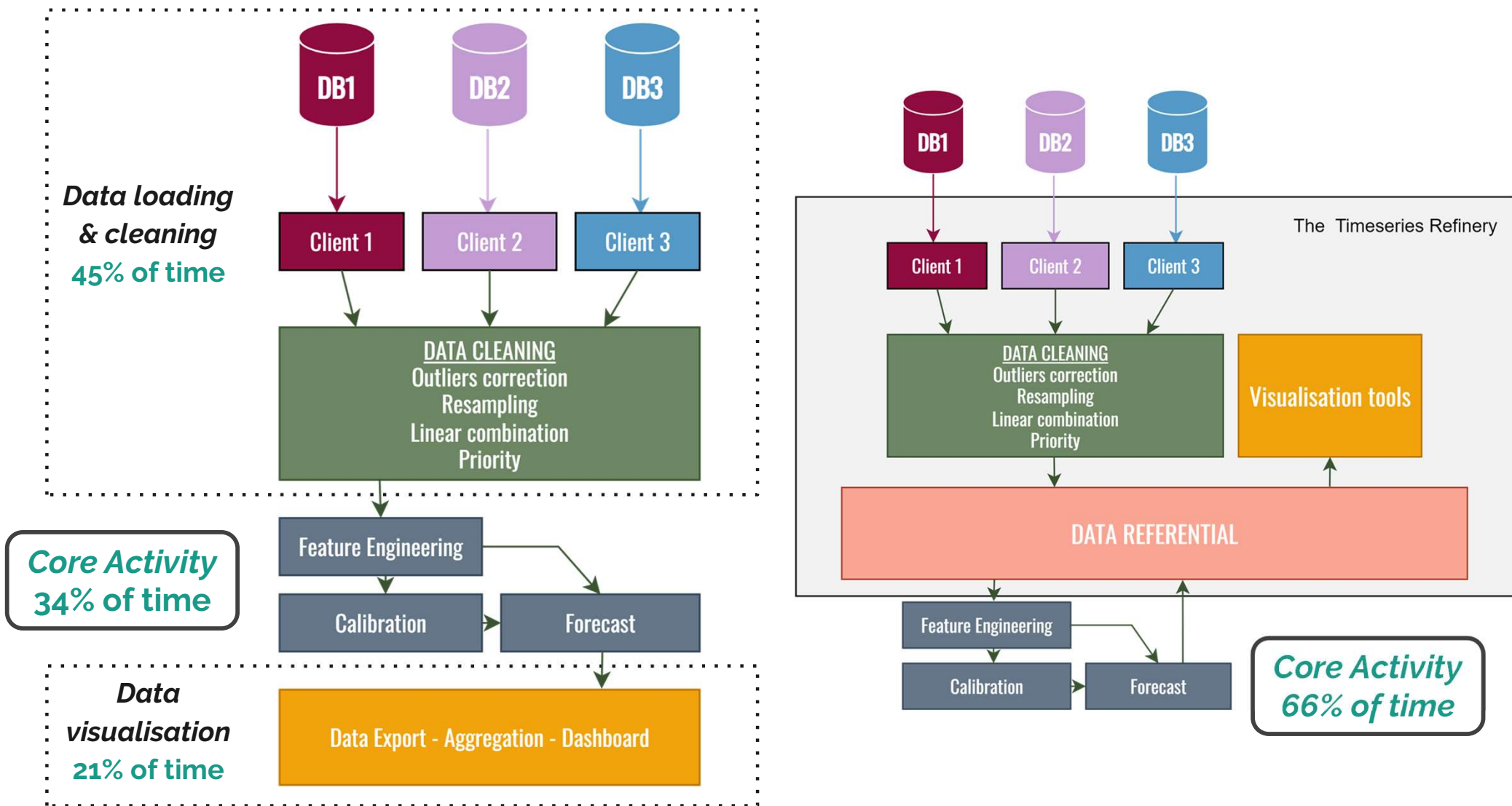


The Refinery takes care of all the heavy lifting

Core Activity
66% of time

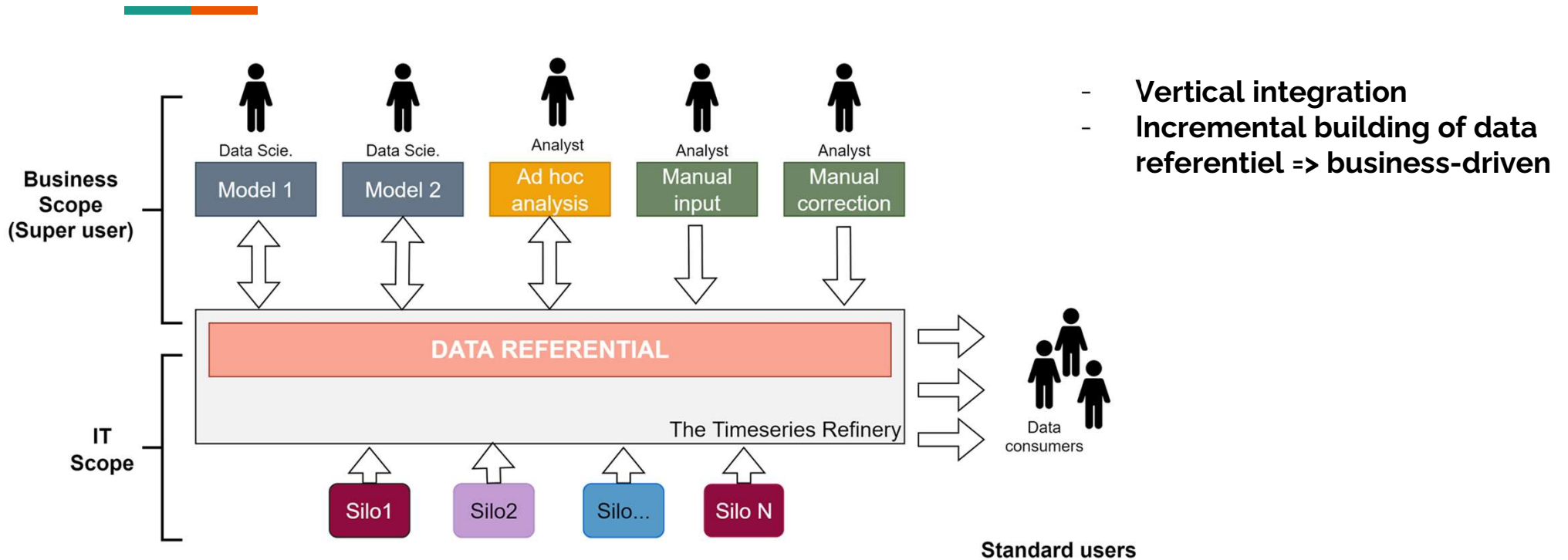
- ★ Reduced IT support
- ★ High autonomy of Data Scientists
- ★ Reduced number of applications
- ★ Reduced IT costs

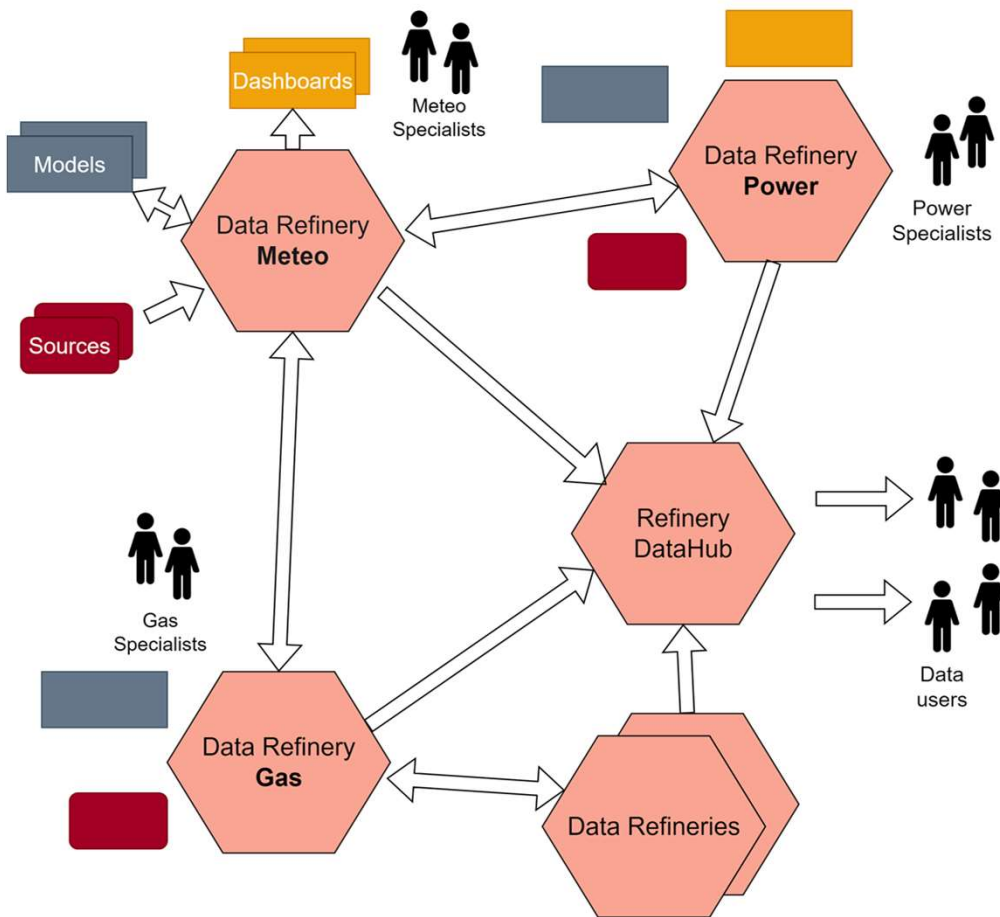




Source: How data scientists spend their time (Image courtesy Anaconda [“2020 State of Data Science: Moving From Hype Toward Maturity.”](#))

Synergies between data experts enables to access new businesses





Data mesh: one step higher

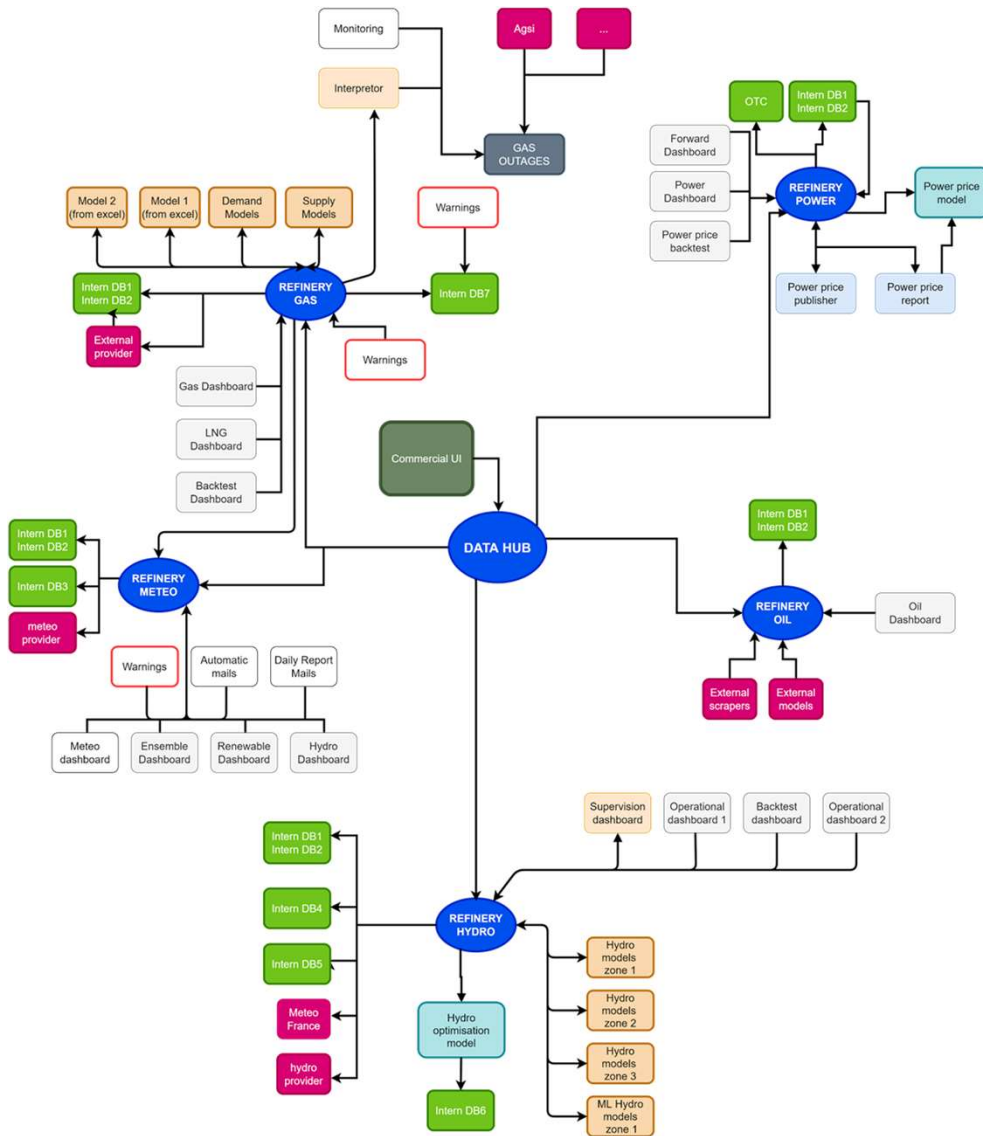
Horizontal integration => Data Mesh

Incremental scope growth

Emergent Data Governance Pattern

Specialisation

- IT - Business
- Among business specialists




Data mesh: not just a slogan

Real case

Still growing

Top level, aggregated refined data:

- internal data diffusion
- **commercial product** (second hand usage)



The Timeseries Refinery

- Shared and collaborative **Data Referential**
 - Defined by specialist instead of ITs
- Business driven architecture
- Productivity tool (quantity & quality)
- Data quality tool
- **Data Governance** tool
- Machine Learning framework: “*game changer*”
- Multi-scale
- Structured data with business driven APIs