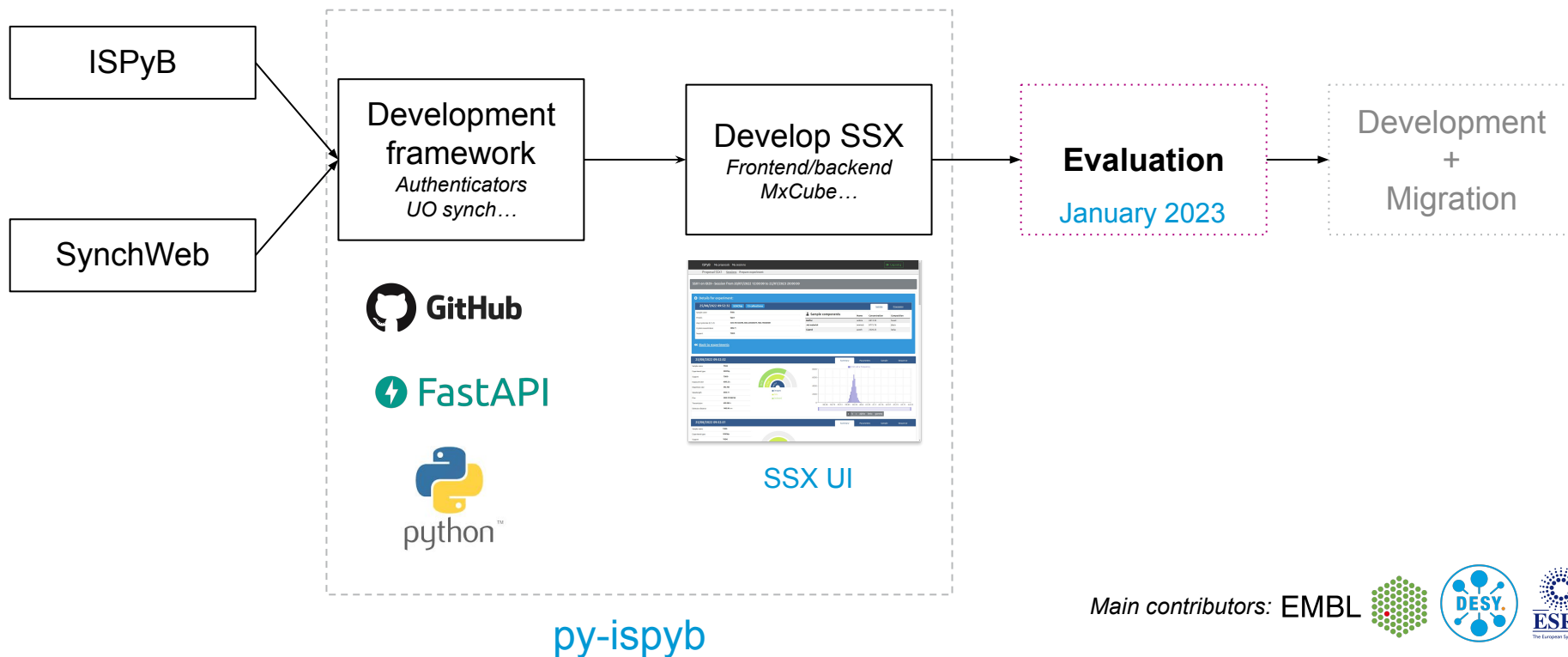


# Status ISPyB @ESRF

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# Roadmap achieved for last 4 years

- Following what was agreed in the ISPyB Strategy Meeting @Hamburg 2020



- **py-ispyb**

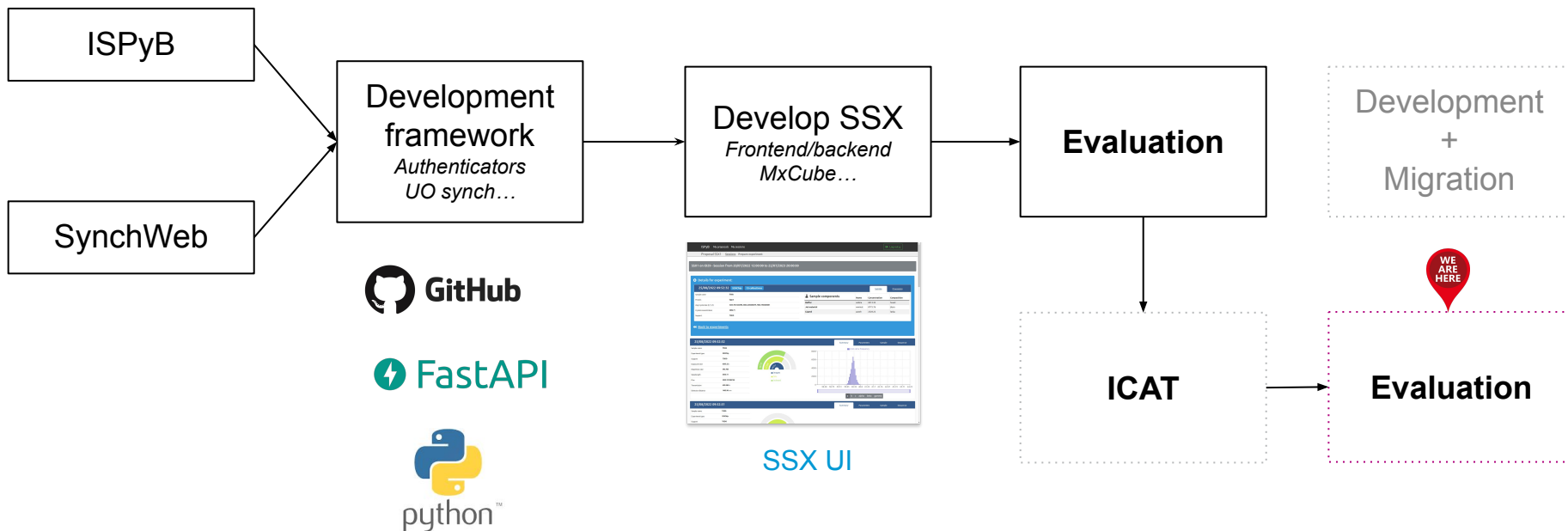
- ...**updates** the ISPyB software stack (python, FastAPI, SQLAlchemy...)
- ...removes unused **legacy** features accumulated over the years
- ...**makes** work **easier** thanks to a modern framework (auto-generated code)
- etc...

- **...BUT**

- did not decrease the **complexity** ( >210 tables)
- New techniques implies changes in the **data model + web services + UI**
  - Example:
    - SSX data model (+ 7 tables)
    - Web services read/write
- It **lacks flexibility** in how entities are linked. (Data collection, DCG, Sample, etc...)
  - Merging data from multiple sessions, samples, etc...
- did **not** dramatically improve **collaboration** due to little commitment from partners
- It does not manage raw data
- It is not compliant with the data policy
- etc...

# Roadmap achieved for last 4 years

- Following what was agreed in the ISPyB Strategy Meeting @Hamburg 2020



# Who uses what

Technique	Backend	UI
<b>MX</b>	ISPyB	py-ispyb-ui
		EXI
	ICAT*	Data Portal*
<b>BioSAXS</b>	ISPyB	EXI
	ICAT*	Data Portal*
<b>EM-SP</b>	ISPyB	py-ispyb-ui
<b>EM-ET</b>	ICAT*	Data Portal*
<b>SSX</b>	py-ispyb	py-ispyb-ui

Discontinued

\* Under testing

Main contributors: EMBL



## Currently

- Continue porting existing ISPyB features to ICAT
  - Phasing/MR
  - Characterisation metadata
- Add/improve missing features that were not developed in ISPyB
  - Reprocessing
  - Merging of datasets
  - Working closely with scientists to define better visualization
- Extending ICAT's based solution to other beamlines
  - All beamlines are plugged into ICAT for RAW data
  - Only two beamlines are pushing processed results
- Keeping both ISPyB running in parallel
  - Continue testing and comparing both approaches