**CREATING SERIXCIXI**SQL Scripts (run in this order)

\*) Stored procedures:

- sp\_populate\_super\_station -- OK

- sp\_populate\_basic\_station -- OK

- sp\_create\_super\_station\_table --OK

- sp\_create\_basic\_station\_table --OK

- sp\_process\_super\_station --OK

- sp\_process\_basic\_station --OK

- sp\_process\_station –OK

- sp\_count\_super\_staging\_table

- sp\_count\_basic\_staging\_table

\*) Functions

- fn\_jd -- OK

- fn\_solpos -- OK

- fn\_hourangle -- OK

- fn\_declination -- OK

- fn\_eqtime -- OK

- fn\_csi -- OK

\*) Main Script: Create\_Global\_Irradiance\_Database.SQL

- Create tbl\_station\_information and load data (static data for stations) – OK

- Create tbl\_staging\_super\_station – OK

- Create tbl\_staging\_basic\_station – OK

- Create tbl\_super\_station\_401…410 – OK

- Create tbl\_basic\_station\_411…425 – OK

- Create tbl\_missing\_station\_data – OK

- Create tbl\_dupliacte\_station\_data -- OK

- Create tbl\_station\_process\_status – OK

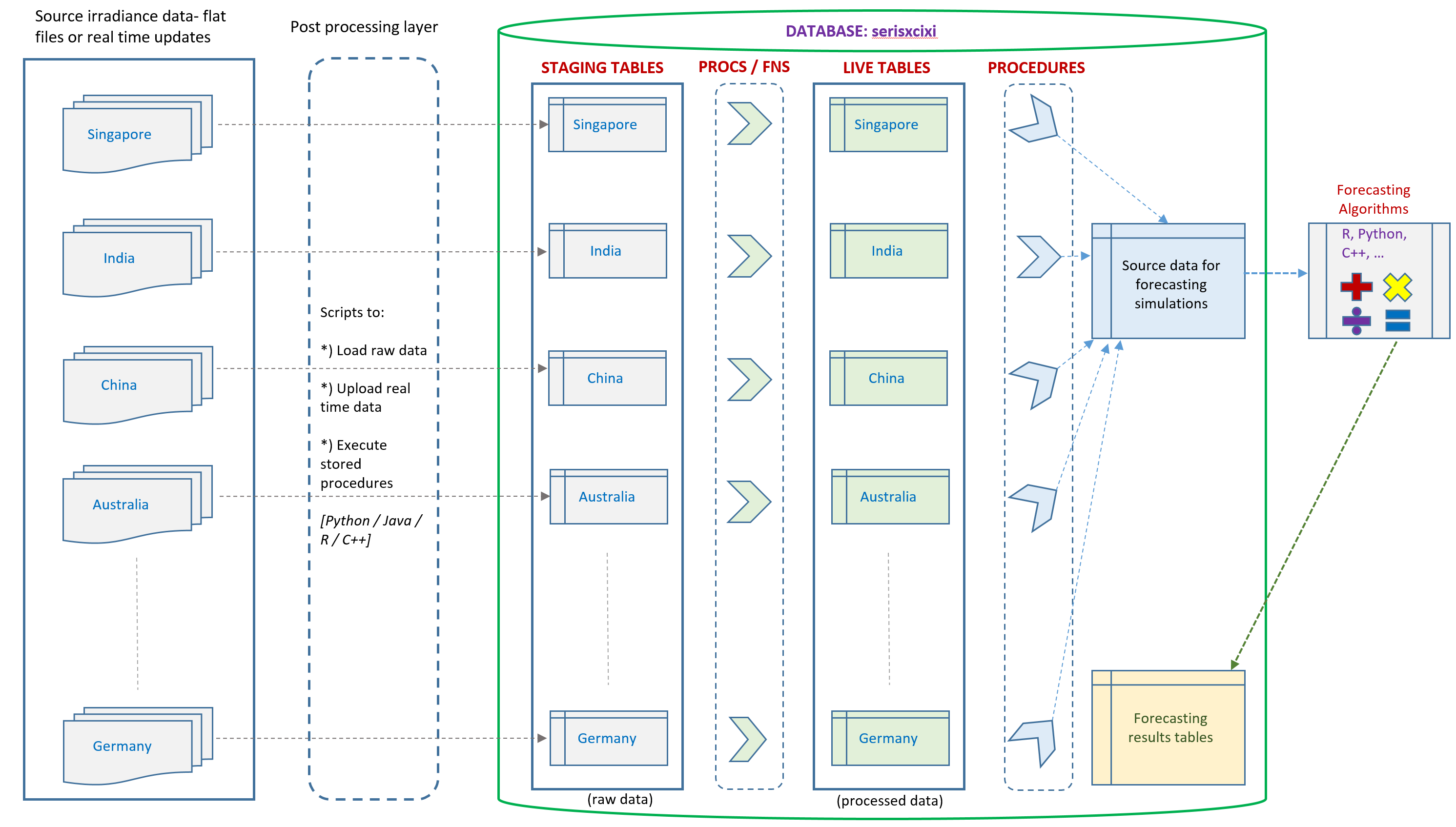
- Create tbl\_station\_process\_history – OK

- Create tbl\_station\_spurious\_data

Python Scripts

- Run single\_file\_bulk\_load.py

Database Architecture



**Staging tables** for raw data

**Live tables** for post-processed data (e.g. fill in missing data, reporting etc.)