Motivation
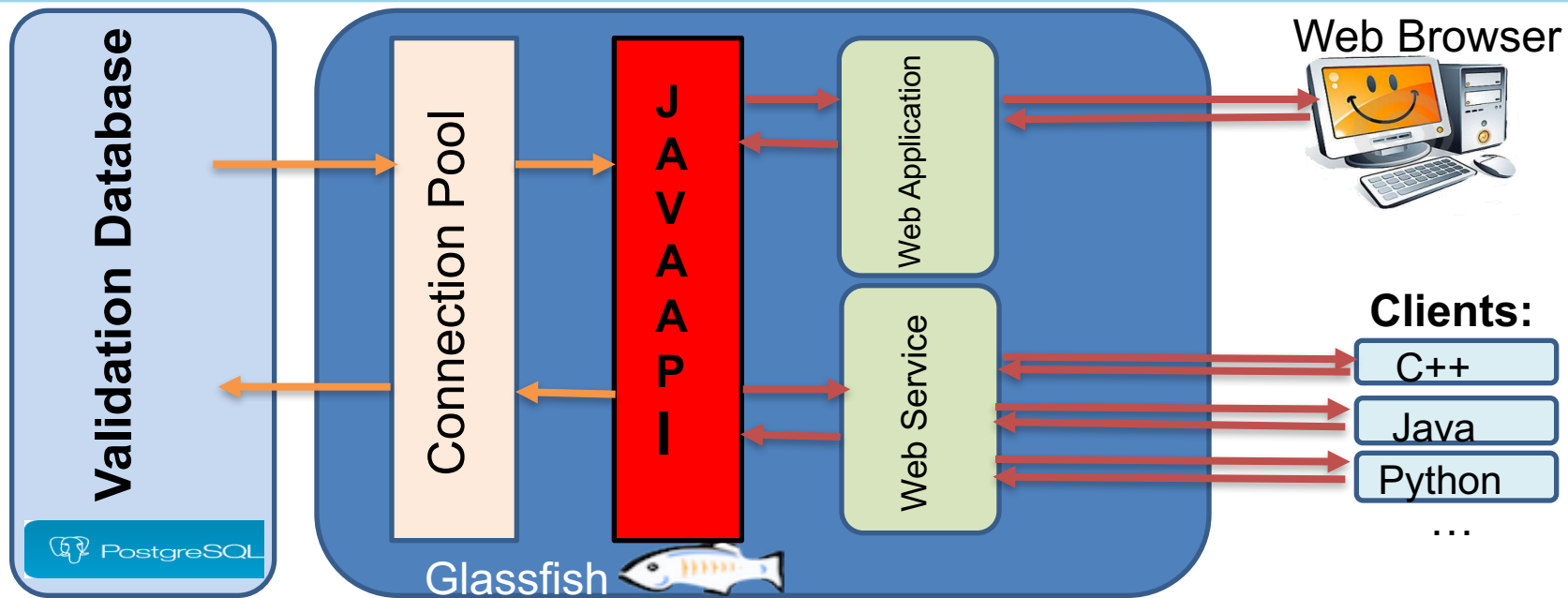
- Provide guidance to experimenters and answers to questions like:
  - What data is used to validate the physics of Geant4/GeantV/GENIE/… ?
  - How well does the Geant4/GeantV/GENIE/… simulation describe the data of interest for the experiment?
  - Which model provided by Geant4/GeantV/GENIE best describes the data of interest for the experiment?
  - What are the benefits of switching to the latest version of Geant4/GeantV/GENIE/…? What changed?
  - What systematic uncertainties are involved?

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Components:

Repository:
- to store experimental validation data as raw data,
- to store simulation results as raw data and as static plots.

Web-application:
- allows to search, select and overlay compatible tests,
- allows to overlay experimental data,
- allows automatic upload into repository,
- allows to display static images,
- provides search functions and easy navigation.

REST-ful Web service:
- allows programmatic access to the data e.g access by C++ validation programs.
- Allows automatic upload

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