



# **Draft for data processing architecture in CREDO**

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# Approach – the Commandments

- Using well established software tools/frameworks - in our case: “typical” BigData problem
- Using well established standards (communication protocols, data storage)
- Why? - Because:
  - Scalability
  - Security
  - Tools

Data Acquisition Interfaces

Data Access and RT Alert Interface

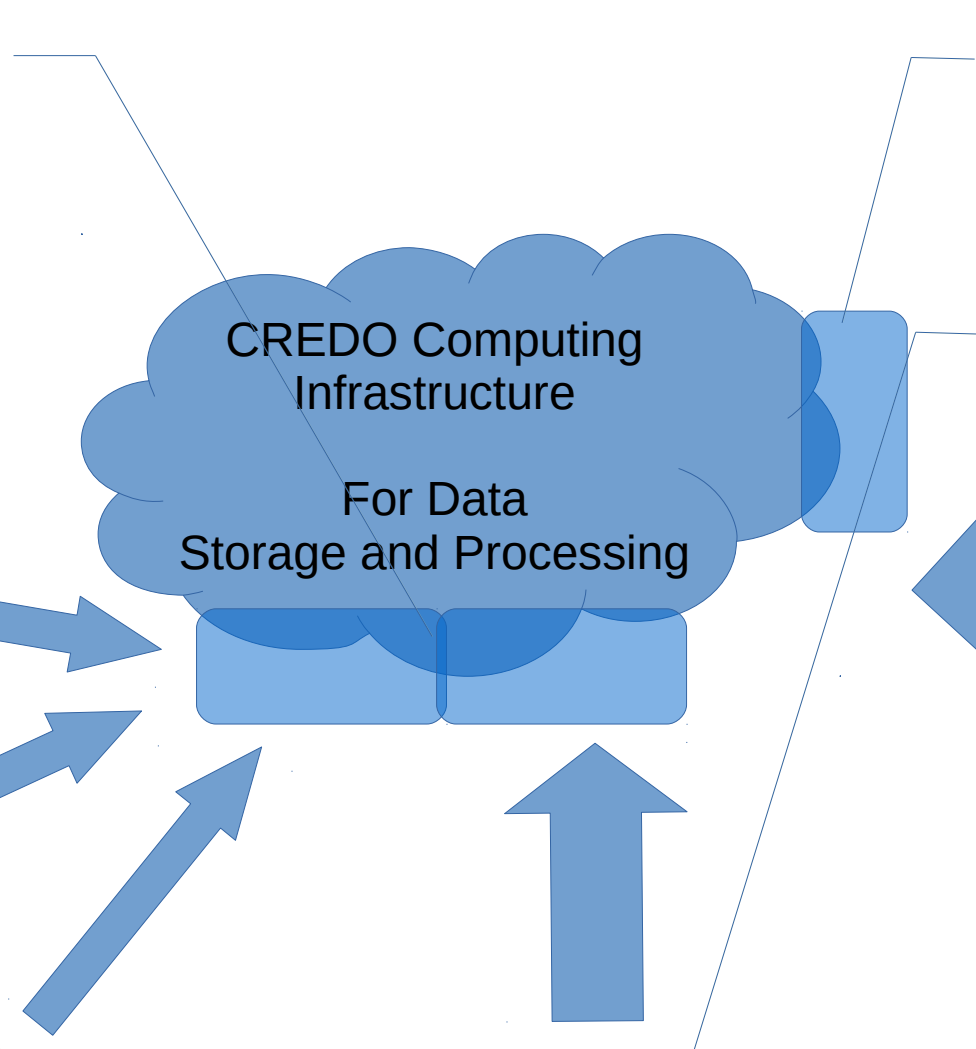
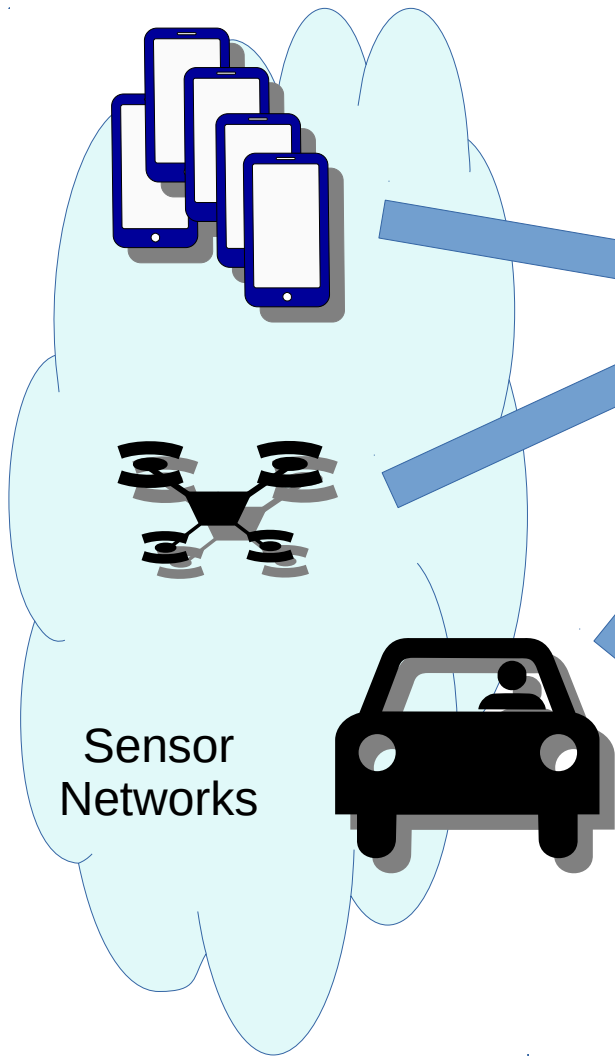
Data Export Interface (experiment specific common protocol)

CREDO Computing Infrastructure  
For Data Storage and Processing

- aggregated Data Analysis  
- Earthquake Alerts

Pierre Auger Observatory  
Bajkal GVD  
Atlas CERN  
....

Sensor Networks



# Processing Infrastructure

## Processing

- Lambda Architecture

