Geophysical Monitoring System (GMS) Interactive Analysis Capabilities

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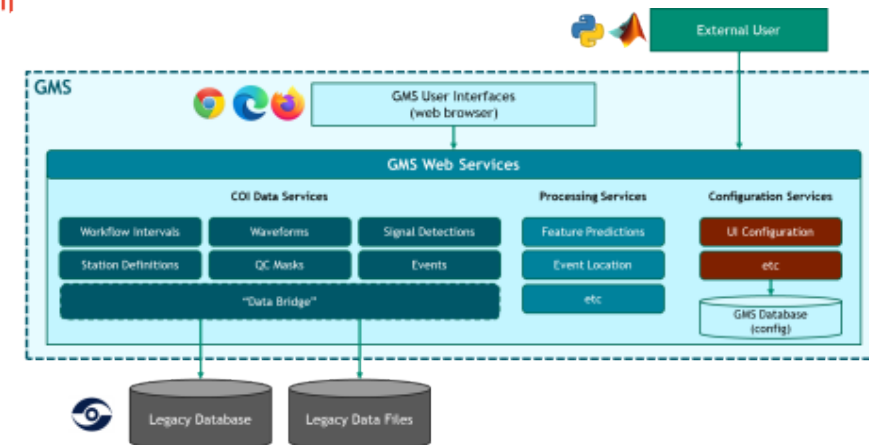Sandia National Laboratories

Lightning Talks

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- Sandia is developing the Geophysical Monitoring System (GMS) for modernization of the US NDC waveform processing system and releasing GMS on GitHub as open source to assist with IDC Re-engineering.

- GMS is a service-oriented, distributed web application, using modern web technology accessed with a common web browser. GMS is cloud-ready, operational quality, and secure.

- GMS includes data services that "bridge" the data from the legacy system to the GMS Common Object Interface (COI) format and makes this data available through web services.

- Past development includes a mature Station State-of-Health (SOH) Monitoring capability to help system operators to recognize and address station availability and quality issues.

- Development is now focused on Interactive Analysis tools (IAN) used by SHI analysts, with the goal to replace the Analyst Review Station (ARS) software with a modern, efficient, and extensible system.

SOH

IAN