## ROB: Benchmarking on the cloud

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## **Reproducible Open Benchmark:**

A platform developed to help evaluate data analysis workflows in a controlled competition-style environment designed to:

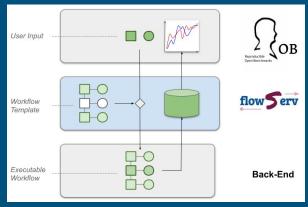
- Reduce the amount of time required to organize and evaluate such benchmarks
- Ensure reproducibility of benchmark results.

## **REANA**

To achieve reproducibility of benchmark results we integrate ROB with the Reproducible research data analysis platform (REANA).

REANA allows users to run their containerised workflows and archive the results on a remote serve<sup>]</sup>.

Using REANA as the execution backend for ROB makes it easier to archive a workflow run and reproduce the results since REANA archives all the required files and workflow logs for reproducing the results on the cloud. By using REANA, we also achieve a significant scalability improvement for ROB over the previously used native workflow engine.



ROB framework [1]

