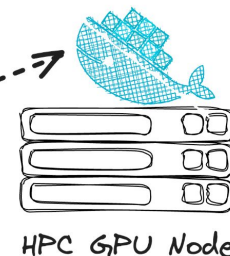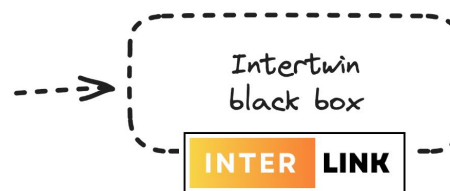# Integrating external resources

Delegating a user container execution to remote resource without changing to the exposed interface.

- **Scaling out the data processing on additional resources**
  - **Managed with different resource management systems**
    - **(e.g. batch vs cloud)**
  - **Including extension to "opportunistic" resources**
  - **Abstracting the resource management from the user payload execution**
- A long journey started back in 2020 with CMS-ITA initiative
  - [Recent publication](#) in collaboration with CERN
- Evolving under multiple sinergic project/activities
  - **interTwin EU project:** enabling digital twin engine on HPCs
  - **ICSC:** cross spoke interest in evaluating a solution
  - **INFNCloud:** exploring/dev the solution in the internal WP6
- Starting from GPUs but with FPGA clusters in mind.

https://github.com/interTwin-eu/interLink