



# Experiment Execution and Registration Methodology



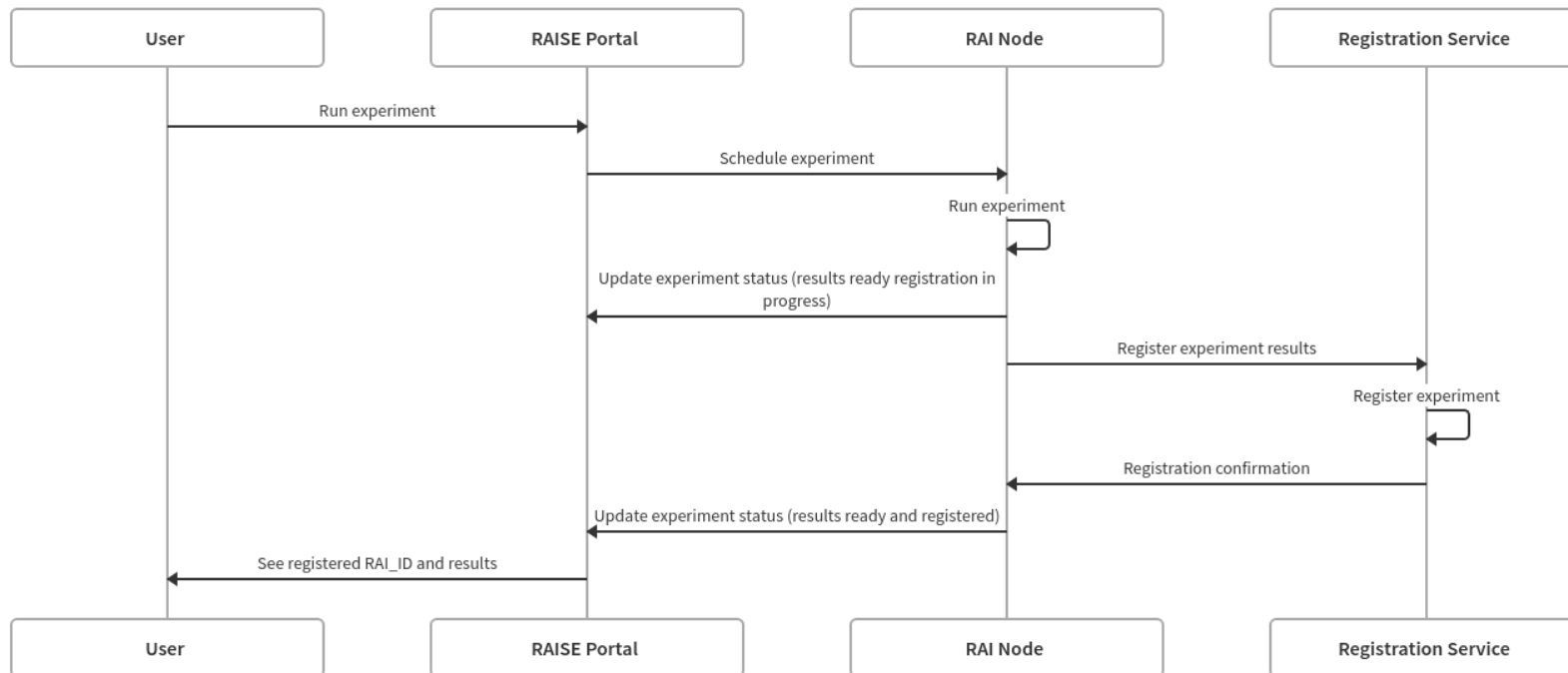
Funded by  
the European Union

VICOM

[raise-science.eu](https://raise-science.eu)

# Experiment execution and registration flow

## Experiment execution and registration flow



MADE WITH swimlanes.io

# Experiment status update in the RAISE portal

- This endpoint is called from the RCN to the RAISE Portal every time a experiment status is updated in the node (runned, registration in progress, registered...)
- Endpoint
  - <http://panel.raise-science.eu/api/experiments/status>
- Parameters
  - experiment\_id
  - status
  - rai\_id (Optional): it is only sent when the registration is successful

## ■ Status codes

- **0**: Processing script results ready and registered.
- **1**: Processing script results ready, registration in progress.
- **2**: Processing script results ready but not registered. Blockchain connection error!!
- **3**: Processing script results not obtained. Invalid processing script or syntax error!!
- **4**: Environment creation error or Timeout error in the execution of the experiment. Try again...
- **5**: Code analysis in progress...
- **6**: Code analysis failed.
- **7**: Code analysis finished successfully. Executing the experiment

# Experiment registration in the Registration service eosco | RAISE

- Called from the RCN to the Registration Service when an experiment has been successfully executed with valid results.
- Endpoint
  - <https://raise-registration-service.wita.care/api/v2/registration/experiment-run>
- Parameters
  - Json body presented in next document:  
[https://docs.google.com/document/d/1IFByH3jm139qFkW1dAD3rcpfwA6hZmSN\\_NhS8hKdKeE/edit?usp=sharing](https://docs.google.com/document/d/1IFByH3jm139qFkW1dAD3rcpfwA6hZmSN_NhS8hKdKeE/edit?usp=sharing)

# Experiment registration confirmation

- Called from the Registration Service to the RCN when an experiment has been successfully registered with a RAI\_ID.
- Endpoint
  - [https://{node\\_root\\_url}/register\\_processing\\_script\\_results/confirmation](https://{node_root_url}/register_processing_script_results/confirmation)
- Parameters
  - experiment\_id
  - rai\_id
  - register\_request\_id (Optional)
  - status\_code (Generated and returned with the registration service)

# Additional resources

- API documentation of the available RCNs
  - VICOM: <https://rcn.vicomtech.org/docs>
  - AUTH: <https://rcn-dev1.raise-science.eu/docs>
  - UoWM: <https://raicn.ithaca.ece.uowm.gr/docs>
- API documentation of the RAISE portal
  - <https://panel.raise-science.eu/docs/>
- API documentation of the Registration Service
  - <https://raise-registration-service.wita.care/docs>