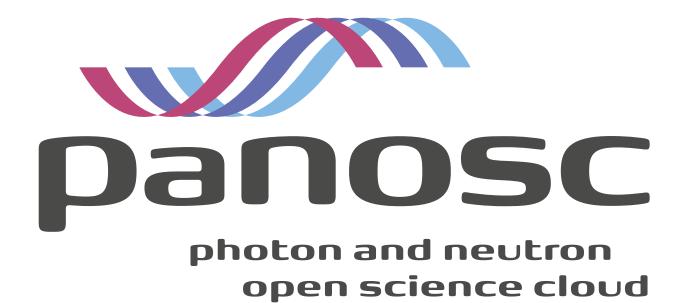


PaNOSC

Photon and Neutron Open Science Cloud H2020-INFRAEOSC-04-2018

Grant Agreement Number: 823852



D5.2 Release of documented simulation APIs





Project Deliverable Information Sheet

| Project Reference No. | 823852 |
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| Project full name: | Photon and Neutron Open Science Cloud |
| H2020 Call: | INFRAEOSC-04-2018 |
| Project Coordinator: | Andy Götz (andy.gotz@esrf.fr) |
| Coordinating Organization: | ESRF |
| Project Website: | www.panosc.eu |
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Document Control Sheet

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| 7 | EGI Foundation (EGI.eu) | The Netherlands |



This document accompanies Deliverable D5.2 of PaNOSC, which is a software release. The following table lists the DOIs (if available) or PyPI (Python Package Index) URLs to locate the released documented simulation APIs. Additional resources and links to documentation, demonstration servers, and docker containers are provided in the Milestone document MS5.2 available here: https://dx.doi.org/10.5281/zenodo.4265635.

| Software name | Subject | DOI/link |
|---------------|---------------------------------------|---|
| libpyvinyl | Harmonized API to simulation services | 10.5281/zenodo.4245765 |
| SimEx | Photon experiment simulations | 10.5281/zenodo.4249615 |
| McStasScript | Neutron raytracing | 10.5281/zenodo.4247599 |
| Oasys | X-ray optics simulations | https://pypi.org/project/oasys1 |
| Oasys-PaNOSC | Extensions to Oasys for PaNOSC | https://pypi.org/project/oasys1-panosc/ |
| Wiser | Coherent wavefront propagation | https://pypi.org/project/libwiser/ |