



Contribution ID: 15

Type: **Demonstration/Tutorial (30 mins)**

webODV - Interactive online analysis and visualization of environmental data

Tuesday, 20 June 2023 19:20 (20 minutes)

In the framework of the EGI-ACE project, we are deploying the webODV application on EGI infrastructure at

<https://webodv-egi-ace.cloud.ba.infn.it/>.

webODV is the online version of the worldwide used Ocean Data View Software (<https://odv.awi.de>). Within EGI-ACE we provide 13 ocean datasets (Argo, BGC-Argo, SeaDataNet) summing up to 46 GB of data, for the online analysis, extraction and visualization.

webODV is easy to use and we provide video tutorials at

<https://webodv-egi-ace.cloud.ba.infn.it/webodv/videos> and

documentation at <https://webodv-egi-ace.cloud.ba.infn.it/webodv/docs>.

webODV facilitates the generation of maps, surface plots, section plots, scatter plots, and much more for the creation of publication ready visualizations.

webODV online analyses can be shared via links and are fully reproducible. Users can download so-called “xview” files, small XML files, that include all instructions for webODV to reproduce the analyses. These files can be shared with colleagues or attached to publications, supporting fully reproducible open science.

Other key topic

Key Topic

Data analytics platforms and reproducible open science

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Session Classification: Demonstrations