

TOAR Data General Guide #1

Glossary

Terms used in the TOAR Data Infrastructure

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1 Components and Services of the TOAR Data Infrastructure

Term	Description/Definition
TOAR data centre	Administrative frame for all components and services of the TOAR data infrastructure
TOAR data infrastructure	multi-faceted e-infrastructure with a repository for surface ozone observations and related data. It consists of four main products and services: TOAR data portal, TOAR web services, TOAR database, and TOAR data publication service
TOAR database infrastructure	It consists of TOAR web services, TOAR database, and TOAR data publication service It is a synonym of TOAR repository
TOAR web services	The user-accessible web services of the TOAR database infrastructure which are REST API and GUI, DO3SE
TOAR data portal	a one-stop-shop to locate and access tropospheric ozone data from a large variety of measurement platforms
TOAR data services	all services offered by the technical infrastructure
TOAR database	Database for the harmonised long-term measurement series of ground-level ozone concentrations needed for the Tropospheric Ozone Assessment Report
TOAR data publication service	The service enables the TOAR data curators to publish data sets to an external service B2SHARE at FZJ
TOAR repository	Synonym for TOAR database infrastructure
TOAR V1	TOAR database of IGAC's TOAR phase I activity (2013 - 2019)
TOAR V2	TOAR database of IGAC's TOAR phase II activity (2020 - 2024)

2 Other Terms

Term	Description/Definition
time series	<p>It contains the recorded values of an atmospheric variable from one specific stationary location during a certain time period.</p> <p>It is the basic data model of the TOAR database.</p>
B2SHARE	<p>It is a service offering a user-friendly, reliable and trustworthy way for researchers, scientific communities and citizen scientists to store and share small-scale research data from diverse contexts.</p> <p>https://www.eudat.eu/services/b2share</p>
IGAC	<p>International Global Atmospheric Chemistry organisation (https://igacproject.org/)</p>