

DEIMS SITE AND DATA SET REGISTRY

ILTER/LTER EUROPE

DEIMS-SDR provides a common and standardised catalogue for the distinct identification of long term observation and monitoring facilities and is used by both LTER-Europe and ILTER. In addition it serves as a data node for dataset publication. All information can be combined and exposed using standardised metadata formats.

As of the 2018 DEIMS-SDR hosts a total of 1034 published site records ranging from LTSEER platforms covering a wide range from socioecological research topics to point-based research plots with very particular research topics. This number includes both formally accredited LTER sites and other observation and research sites (partly also experimental sites) outside of LTER. This makes DEIMS-SDR the globally most comprehensive catalogue of long-term environmental research facilities. By this DEIMS-SDR supports a FAIR (Findable, Accessible, Interoperable, Re-usable) and open provision of information.

RESEARCH

The (re-)use and integration of data for scientific analysis provided by different sources relies on sufficient data documentation. This applies to the design of the study and the methods and, moreover, to the context of the observation, e.g. the site characteristics and design. Providing a web portal to describe sites and publish datasets is therefore one of the core services of research networks. Within LTER-Europe and ILTER, DEIMS was extended to cover the full range of relevant research components. It provides interfaces to document research sites, the resulting datasets and data products, as well as linked information like sensors, networks or persons. The information is linked allowing to create an easy overview on available information.

By linking to B2SHARE, DEIMS-SDR makes it possible to document research outcomes and obtain a persistent identifier (PID) for scientific reference. Using standard services (e.g. OGC CSW) and schemes (e.g. ISO19115) is one of the core features. DEIMS-SDR uses Envthes as a common vocabulary for keywords and parameters.

Sites registered on DEIMS-SDR as of July 2018

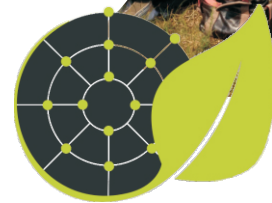


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ILTER, LTER
GLOBAL



IMPACT SHEET #9



AIMS

- DEIMS-SDR was developed in order to gather and provide easily accessible, concise, re-usable and interoperable information on environmental observation facilities and the related data.
- With DEIMS-SDR an easy and light-weight editor is provided to fulfil metadata requirements for LTER-Europe and beyond.

OUTCOME - IMPACT

- Statistics of published records:
 - 1034 sites
 - 894 persons
 - 864 datasets
 - 104 data products
- DEIMS-SDR is used by a range of projects to document the site network as well as the resulting data:
 - eLTER
 - EcoPotential
 - ENVRiplus
 - ILTER TeaBag Initiative
- Cooperation with ICP Forests to harmonise site documentation.

DEIMS-SDR

Home Discovery Documentation Network Login

Quick Search

Search

Latest Updates

- Idriani Field Site - Finland 2018-10-05 15:55
- Gårdsjön, IM-site SE04 - Sweden 2018-10-05 09:13
- Kindla, IM-site SE15 - Sweden 2018-10-05 09:12
- Gammeltjärnen, IM-site SE16 - Sweden 2018-10-05 09:05
- Anebodda, IM-site SE14 - Sweden 2018-10-05 09:03
- Cerrado-Amazonia Transition - Brazil 2018-10-04 08:55

Available Resources

- Sites**
Find out about the international network of ecosystem research, monitoring and experimentation sites.
- Datasets**
Find out about the available dataset metadata records from the network.
- Sensors**
Find out about deployed sensors used to generate data.
- Data Products**
Find out about data products published or contributed.

DEIMS-SDR

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News | Site | Discovery | LTER Platform Kiliaris Critical Zone Observatory - Greece

LTER Platform Kiliaris Critical Zone Observatory - Greece

Site Information

Site Name: LTER Platform Kiliaris Critical Zone Observatory
Site Code: LTER-AT-001
Web Address: deims-sdr.org
Country (Site Location): Greece
LTER Member Network: LTER Europe
Contact: Site Manager: Thomas Ditzler
 National University of Athens

Keywords originating from Endurance Thesaurus: [Endurance Thesaurus](#)
 environmental monitoring, hydrology, forest ecology, forests, the bog

Several Site Descriptions

The Kiliaris River watershed is a Critical Zone Observatory that represents recently degraded soils due to land use changes. The site is located in the Kiliaris River watershed, which is a typical Mediterranean environment. The site is characterized by its high degree of soil degradation and its location in a mountainous area. The site is a typical Mediterranean environment, characterized by its high degree of soil degradation and its location in a mountainous area. The site is a typical Mediterranean environment, characterized by its high degree of soil degradation and its location in a mountainous area.

General Characteristics: [General Characteristics](#)
Keywords: [Keywords](#)
Site Status: [Site Status](#)
Site Code: [Site Code](#)
Site Name: [Site Name](#)
Site Address: [Site Address](#)
Site Location: [Site Location](#)
Site Manager: [Site Manager](#)
Site Contact: [Site Contact](#)
Site Description: [Site Description](#)
Site History: [Site History](#)
Site Research: [Site Research](#)
Site Data: [Site Data](#)
Site Publications: [Site Publications](#)
Site News: [Site News](#)
Site Events: [Site Events](#)
Site Links: [Site Links](#)

DEIMS-SDR

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News | Site | Discovery | LTER Zöbelboden - Austria

LTER Zöbelboden - Austria

Site Information

Site Name: LTER Zöbelboden
Site Code: LTER-AT-002
Web Address: deims-sdr.org
Country (Site Location): Austria
LTER Member Network: LTER Europe
Contact: Site Manager: Thomas Ditzler
 National University of Vienna

Keywords originating from Endurance Thesaurus: [Endurance Thesaurus](#)
 environmental monitoring, hydrology, forest ecology, forests, the bog

Several Site Descriptions

The Zöbelboden site is a typical Mediterranean environment, characterized by its high degree of soil degradation and its location in a mountainous area. The site is a typical Mediterranean environment, characterized by its high degree of soil degradation and its location in a mountainous area. The site is a typical Mediterranean environment, characterized by its high degree of soil degradation and its location in a mountainous area.

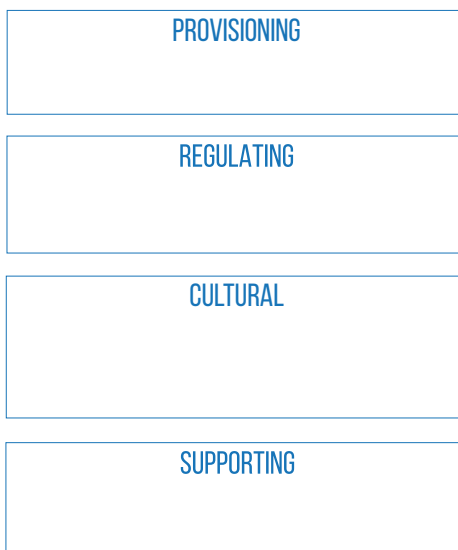
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Exemplary metadata information about the sites, summarized by LTER-Europe site catalogue.

PRIORITY THEMES



PRIORITY ECOSYSTEM SERVICES



AREA OF RELEVANCE, ACCORDING TO SDG



SDG - UN SUSTAINABLE DEVELOPMENT GOALS

FURTHER INFORMATION

Oggioni et al. (2012) Monitoring of Environmental Status through Long Term Series: Data Management System in the EnvEurope Project. In: EnviroInfo 2012: EnviroInfo Dessau 2012, Part 1: Core Application Areas, Shaker Verlag Aachen, ISBN: 978-3-8440-

DEIMS-SDR: <https://deims.org>

EnvThes: <http://vocabs.ceh.ac.uk/evn/tbl/envthes.env>



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