Discovering data in OpenAIRE CONNECT

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WHY A PLATFORM FOR RESEARCH DATA & SOFTWARE DISCOVERY

Research data and software:
- As a **first-class citizen** in scholarly communication and in the research flow
- As a **product** of a research activity
- For **transparency** of research evaluation and reproducibility
- For **omni-comprehensive** reward
Request a thematic portal for your research community (aka “Community Gateway”) to discover research software and links to publications, data, projects, etc.
FIND THE OPENAIRE GATEWAY FOR YOUR COMMUNITY
FINDING SOFTWARE IN MARINE RESEARCH

European Marine Science

Summary

This community was initially defined to include a very broad range of topics, with the intention to generate a number of more focused and sustainable dashboards for research communities and initiatives. As outlined in the logo of this community, we intend to set up a community dashboard for EuroMarine (a consortium of 95 research and academic organisations) and academic dashboards for several research initiatives, including:

- marine, ocean, fish, aqua, sea

Faceted search to filter the result list

Advanced search in specific fields, also in combination (AND/OR)

https://mes.openaire.eu

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EXAMPLE

Alice is a researcher, preparing for an expedition to get some ice core samples. She would like to know if there is already some software to plan the sampling or to analyse the data.

She goes to the EOSC Marketplace and finds the European Marine Science Gateway. She accesses the service and looks for software about “ice core”
optimalcores: An R software project to analyse optimal ice core locations in a climate model simulation

Thomas Munch

Published: 06 Jul 2021
Publisher: Zenodo

Summary

Abstract:

optimalcores is an R software project to analyse the temperature and isotope time series in an isotope-enabled climate model simulation, specifically, the ECHAM5/MPI-OM-wiso past1000 climate model run can be analysed, but also any other simulated model run. The software is especially intended to determine optimal spatial sampling configurations for Antarctic ice cores which maximizes the correlation with a target site temperature time series.

Version 1.0.0 of the software is released along with the publication Munch, Werner and Laippa: How precipitation intermittency sets an optimal sampling distance for temperature reconstructions from Antarctic ice cores, Clim. Past, 17, 1507–1525, 2021.

Related research:

Links to other research products: article and dataset

Access the source code at the hosting source

Funding EC project SPACE
RESEARCH IN CONTEXT

Funding project

Software

Data
AFTER THE EXPEDITION

In the end, Alice could not re-use the software for her purposes, but she got inspired and developed something new.

She does want others to be able to find her software.

From the **European Marine Science Gateway** she finds out which are the **Zenodo communities** used by her research community, publish her code there, making it available in the gateway automatically.
THANKS

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