

# DICE B2FIND

EOSC Marketplace ask me anything  
webinar

- Searching for Research Data across Disciplines -



with



The EOSC Future, C-SCALE, DICE, EGI-ACE, OpenAIRE-Nexus and Reliance projects are funded by the European Union Horizon Programme calls INFRAEOSC-03-2020 and INFRAEOSC-07-2020.



# DICE – Data Infrastructure Capacity for EOSC

- 14 services covering the whole research data management lifecycle
- >50 PB of storage offered with the services
- Standard requests to be served within 2 weeks
- Support can be provided for customised solutions
- Request the services from the EOSC marketplace  [here](#)
- Ask for further information by email  [here](#)



## Data Discovery

Making research data findable  
Data source harvestable and to make data widely discoverable



## Data Repository

Long-term data resources preservation and sharing To store non-active FAIR data



## Policies based Data Archive

Mid-long term data resources, accessible from computing facilities to store non-active research data  
Value-added services (integrity checks, replications) for long-term, stable data archives.



## Data Archive

Mid term storage resources after/between projects, Accessible from computing facilities to store non-active research data, bitwise preservation



## Personal and/or Project workspace

Mid-term storage during project, Good connection to computing facilities, To store active resource data

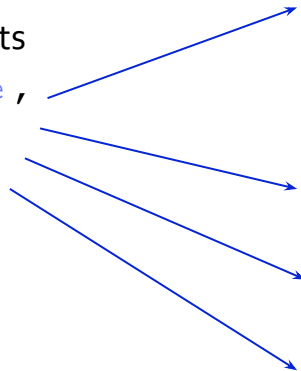
# B2FIND – Data Discovery

[b2find.eudat.eu/](https://b2find.eudat.eu/)

- ~ 1.5 mio records
- 49 Communities
- 133 harvesting endpoints

narrow down results using the facets

Spatial/[TemporalCoverage](#),  
PublicationYear,  
Communities, Keywords,  
Creator, [Instrument](#),  
[Discipline](#), Language,  
Publisher, Contributor,  
ResourceType, OpenAccess



The screenshot shows the B2FIND search results for 'foraminifera'. The search bar at the top contains 'foraminifera' and a search icon. Below the search bar, it displays '9,942 datasets found for "foraminifera"'. The results are ordered by 'Relevance'. A list of facets is shown on the left, including 'Publication Year', 'Communities', 'Keywords', 'Creator', 'Instrument', 'Discipline', 'Language', 'Publisher', and 'Contributor'. The main content area lists several datasets with titles and brief descriptions:

- Foraminifera isotopes, surface data**  
*This dataset has no description*
- Penang Island Mangrove Benthic Foraminifera**  
Data of environmental parameters and benthic foraminifera species recorded in Penang Island mangroves: Teluk Tempoyak mangrove (TT), Pulau Betong mangrove (PB) and Kuala Sungai...
- Motility of large benthic foraminifera**  
*This dataset has no description*
- Planktic foraminifera in surface sediments**  
see satellite data doi:10.1594/PANGAEA.57967
- Respiration of large benthic foraminifera**  
Oxygen consumption.
- Mortality of large benthic foraminifera**  
Empty shells (proportion).
- Foraminifera distribution of sediment core SDSE192**  
counting a min. of 300 specimens

The search data interface shows a search bar with the text 'foraminifera' and a search icon. The search bar is labeled 'Search data'.

# B2FIND - Identifier

- persistent identification of (research) data is crucial
- search portals that aggregate metadata need something to link to □ Landing Page
- ways of using <identifier> changed over the years □ more and more DOIs...
- B2FIND allows several types of <identifier>, in concordance to OpenAire Guidelines

<b>URL</b>	<ul style="list-style-type: none"><li>✓ unique</li><li>– not always persistent</li><li>– not always resolvable</li></ul>	<b>Source</b> (any URL/URN)
<b>PID</b>	<ul style="list-style-type: none"><li>✓ unique</li><li>✓ persistent</li><li>✓ resolvable</li></ul>	<b>PID</b> (e.g. Handle)
<b>citable PID</b>	<ul style="list-style-type: none"><li>✓ unique</li><li>✓ persistent</li><li>✓ resolvable</li><li>✓ citable</li></ul>	<b>DOI</b>

Identifier	
<b>DOI</b>	<a href="https://doi.org/10.23728/b2share.6c52a4c543e74ca5a9f3362e202b0b2c">https://doi.org/10.23728/b2share.6c52a4c543e74ca5a9f3362e202b0b2c</a>
<b>PID</b>	<a href="http://hdl.handle.net/11304/c88f3f8b-4d0e-47a4-b1ba-a72c75ade437">http://hdl.handle.net/11304/c88f3f8b-4d0e-47a4-b1ba-a72c75ade437</a>
<b>Source</b>	<a href="https://b2share.eudat.eu/api/records/6c52a4c543e74ca5a9f3362e202b0b2c">https://b2share.eudat.eu/api/records/6c52a4c543e74ca5a9f3362e202b0b2c</a>
<b>Metadata Access</b>	<a href="https://b2share.eudat.eu/api/oai2d?verb=GetRecord&amp;metadataPrefix=oai_dc&amp;identifier=oai:b2share.eudat.eu:b2rec/6c52a4c543e74ca5a9f3362e202b0b2c">https://b2share.eudat.eu/api/oai2d?verb=GetRecord&amp;metadataPrefix=oai_dc&amp;identifier=oai:b2share.eudat.eu:b2rec/6c52a4c543e74ca5a9f3362e202b0b2c</a>

# B2FIND – Metadata Aggregator

