

Resource Summary Report

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NERC Environmental Bioinformatics Centre

RRID:SCR_000526

Type: Tool

Proper Citation

NERC Environmental Bioinformatics Centre (RRID:SCR_000526)

Resource Information

URL: <http://nebc.nerc.ac.uk/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 1, 2023. Data sharing platform based on the ISA software suite - including an annotation tool and a database - that holds environmental omic data in standards-compliant format. It uses various approaches to provide new discovery, interoperability and integration opportunities for environmental scientists, including the development of tools, databases, standard and ontologies. The main tool for collecting environmental omics data from researchers is the EnvBase data catalogue. The NEBC Toolbox contains a range of tools developed by NEBC to support environmental researchers. The data include next generation sequencing, microarray and ABI sequencing technologies. ISAconfigurator and ISAcreeator ensure that the extensive information relating to environmental sampling is consistently collected by the NERC experimentalists, according to the appropriate MIBBI checklist(s), and then reported centrally to NEBC. A local instance of the BII runs as an internal prototype database that will soon provide public and private access to NERC research projects outputs, as appropriate. In accordance with the NERC Data Policy, and when data sets are declared ready for public release, the NEBC team will use the ISAconverter to perform (combined) submissions to the appropriate public repositories (ENA, or SRA, ArrayExpress and PRIDE) to ensure long term stewardship.

Abbreviations: NEBC

Synonyms: NERC Environmental Bioinformatics Center

Resource Type: data or information resource, data repository, storage service resource, database, service resource

Keywords: environment, interoperability, standard, bioinformatics, data management, computing, data sharing, next generation sequencing, metadata standard, microarray, abi sequencing, cloud computing

Funding: BBSRC ;
NERC

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NERC Environmental Bioinformatics Centre

Resource ID: SCR_000526

Alternate IDs: nlx_51307

Record Creation Time: 20220129T080202+0000

Record Last Update: 20260801T190726+0000

Ratings and Alerts

No rating or validation information has been found for NERC Environmental Bioinformatics Centre.

No alerts have been found for NERC Environmental Bioinformatics Centre.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Busch A, et al. (2018) Revisiting Francisella tularensis subsp. holarctica, Causative Agent of Tularemia in Germany With Bioinformatics: New Insights in Genome Structure, DNA Methylation and Comparative Phylogenetic Analysis. Frontiers in microbiology, 9, 344.