

About ELIXIR-IE

Ireland's national ELIXIR Node, connecting researchers and institutions to European life science data infrastructures, including ELIXIR Platforms, Community ecosystems such as Bioconductor, and Ireland's planning for EOSC-aligned services.

The Node is working to secure a sustainable funding model and progress national alignment with the inclusion of 5 new institutions planned to join this year.

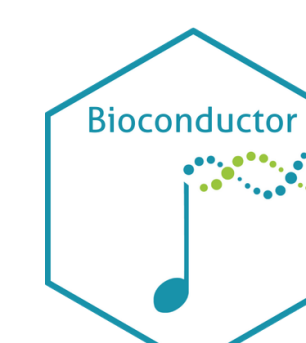
Membership

Member institutes

University of Limerick (lead)
University College Cork
University College Dublin
University of Galway
Royal College of Surgeons Ireland



ELIXIR Ireland's Service Spotlight - Bioconductor

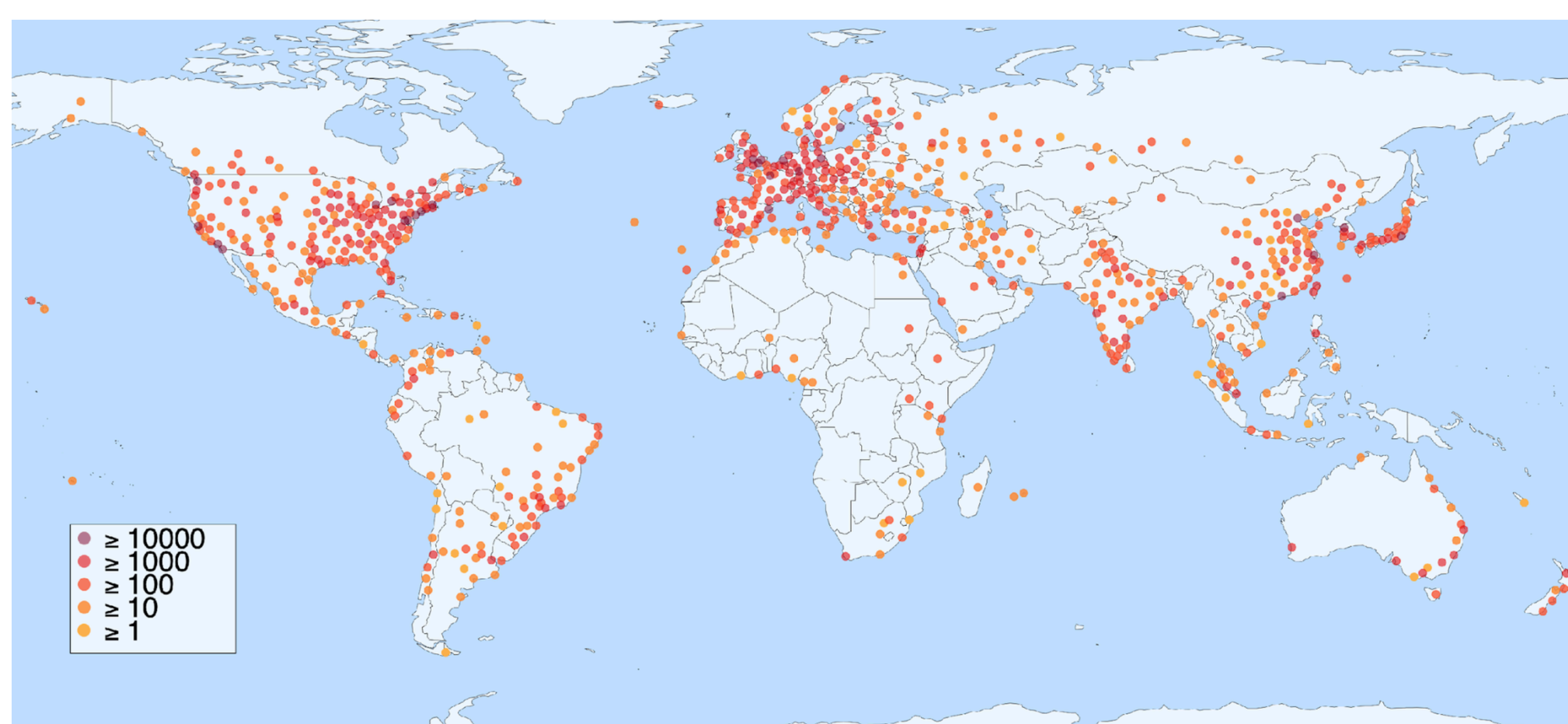


Overview

- Founded in 2001; open-source, peer-reviewed
- 2,500+ R packages
- 1M+ downloads/year
- Widely used in genomics & data science
- Visit: bioconductor.org, training.bioconductor.org, & blog.bioconductor.org

Opportunities

- Collaborate with the Bioconductor community manager
- Co-host training, hackathons, community events
- Contribute to open-source tools for the life sciences



ELIXIR Ireland Projects

ELIXIR STEERS

Developing support for high-quality, reproducible, and sustainable research software to enable large-scale life science data analysis across Europe.



Genomic Data Infrastructure

Enabling secure, cross-border access to genomic and health data to accelerate research and personalised medicine.



CANDLE

Building a federated network of national cancer data nodes to improve the sharing and reuse of data for cancer research and patient care.



European Synergies

European Open Science Cloud (EOSC)

Connecting Ireland's life science data infrastructure to EOSC, making our national data resources FAIR across Europe.



European Health Data Space (EHDS)

Aligning data standards and secure access solutions to help connect ELIXIR Ireland to the EHDS, enabling trusted health data research.



GA4GH

Implementing GA4GH standards for responsible genomic data sharing, ensuring that Irish datasets can be securely and interoperably used.



EOSC Ireland

EOSC Ireland Community Support Action Project

12-month project until February 2027, to plan and design EOSC Ireland Node ELIXIR Lead WP4 on EOSC Federation driving standards and interoperability

EOSC Gravity - Ireland Project

6-month project until November 2026, to write the EOSC Ireland Node charter

Led by Asiera with ELIXIR-IE & ICHEC as partners offering NREN, ESFRI & EuroHPC synergy



Visit: <https://eosc.ie>

Authors

Maria Doyle
University of Limerick
Gavin Farrell
University of Limerick
Aedín Culhane
University of Limerick



Questions? elixir@ul.ie

@Bioconductor



Poster

