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# GOCDDB and the IRIS IAM

Greg Corbett and Sarah Byrne  
{[greg.corbett](mailto:greg.corbett@stfc.ac.uk), [sarah.byrne](mailto:sarah.byrne@stfc.ac.uk)}@stfc.ac.uk,  
[gocdb-admins@mailman.egi.eu](mailto:gocdb-admins@mailman.egi.eu)

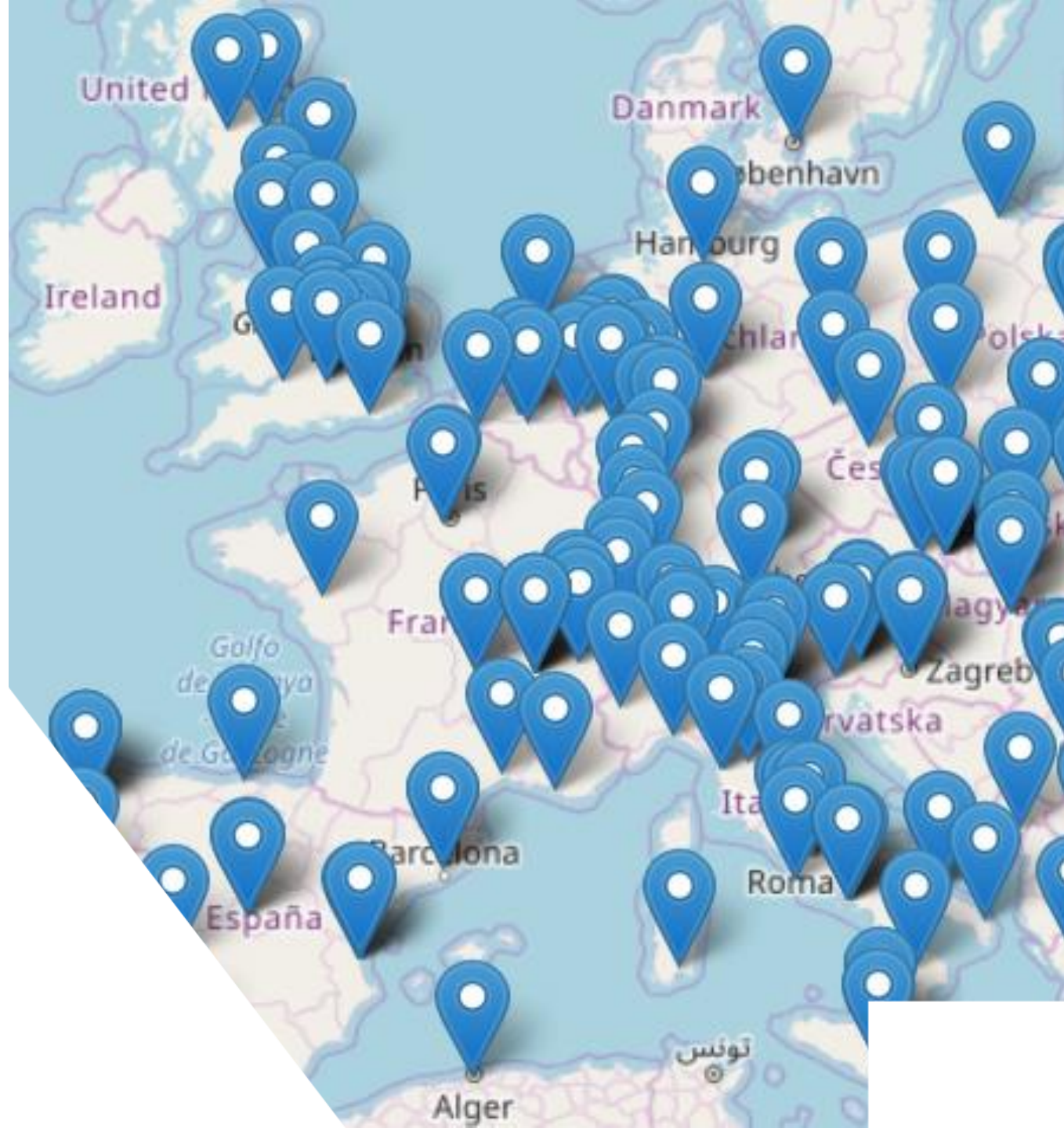
# Agenda

**1 What is GOCDB?**

**2 Why Integrate with the IRIS IAM?**

**3 GOCDB Digital Assets for IRIS**

**4 Technical Details of Integration**



# What is GOCDDB?

GOCDDB is a service registry and topology database:

- Service run by STFC provides the official repository for storing and presenting EGI and WLCG topology and resource information.
- The definitive source of truth for managing Grid, Cloud and Storage topology objects including; sites, services, service-endpoints, service-groups, downtimes, users, roles and business rules.

It emphasises allowing resource providers and user communities to maintain their own information in a centralised location, accessible to both infrastructure staff via a web portal and other automated e-Infrastructure tools via a REST API.

GOCDDB is the core operational tool that underpins other core operational tools and policies. It is intentionally designed to have no operational dependencies on other tools for information.

# Why integrate with the IRIS IAM?

IRIS wanted to present itself a coherent e-Infrastructure through the use of federating tools:

- Was lacking a centralised source of truth for describing the topology of the e-Infrastructure and enumerating its services and their contacts.
- These are the features that GOCDB provides.

The GOCDB team wanted to provide these features to IRIS:

- Better positions us to be involved in any future UK wide e-Infrastructure.
- To support our wider development goals:
  - Supporting IAM adoption at WLCG.
  - Allowing non-X.509 authenticated access to our API.
  - Eventually deprecation of X.509 certificates.

# GOCDDB Digital Assets for IRIS

Bid for funding via an Digital Asset call to deploy an instance of GOCDDB for IRIS.

That bid included:

- Enhanced version(s) of the GOCDDB software that integrates with the IRIS-IAM
  - Create and use GOCDDB accounts, via the IAM
  - APIs accessible via the IAM to allow programmatic access to the service data.

Bid successful. As a result, Sarah has part of the last six months working on the integration.



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# Technical Details of Integration

Sarah Byrne



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# Questions?



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# Thank you



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