Introduction to the project

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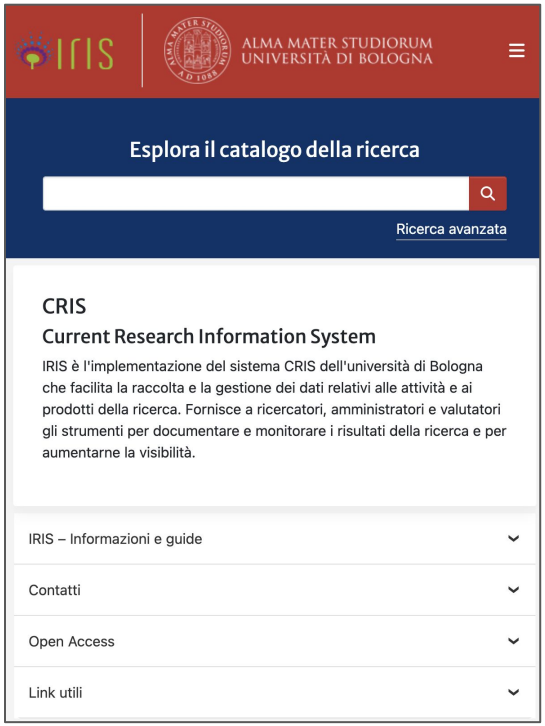
Open Science (A.Y. 2024/2025)
Second Cycle Degree in Digital Humanities and Digital Knowledge
Alma Mater Studiorum - Università di Bologna

DIPARTIMENTO DI FILOLOGIA CLASSICA E ITALIANISTICA

IRIS: UNIBO CRIS



IRIS (https://cris.unibo.it) is the implementation of the Current Research Information System of the University of Bologna, which permits gathering data related to research activities and outcomes

It offers several interfaces and tools to researchers, administrators, evaluators to document and monitor research outputs and to increase their visibility

A dump with public bibliographic data has been recently made available on the University of Bologna's institutional repositories for research data, i.e. AMS Acta:

> Amurri, A., Giachino, E., & Peroni, S. (2024). UNIBO IRIS bibliographic data dump, dated 4 June 2024 (Version 1.1) [Dataset; CSV]. AMS Acta. https://doi.org/10.6092/unibo/amsacta/7736

About IRIS content

7 - Altra tipologia
7 - Altra tipologia - 7.01 Carta tematica e geografica
7 - Altra tipologia - 7.02 Carta geologica
7 - Altra tipologia - 7.03 Prodotto dell'ingegneria civile e dell'architettura
7 - Altra tipologia - 7.04 Software
7 - Altra tipologia - 7.05 Banche dati
7 - Altra tipologia - 7.06 Prodotto artistico e spettacolare: Composizione musicale
7 - Altra tipologia - 7.07 Prodotto artistico e spettacolare: Disegno
7 - Altra tipologia - 7.08 Prodotto artistico e spettacolare: Design
7 - Altra tipologia - 7.09 Prodotto artistico e spettacolare: Performance
7 - Altra tipologia - 7.10 Prodotto artistico e spettacolare: Manufatto
7 - Altra tipologia - 7.11 Prodotto artistico e spettacolare: Prototipo d'arte e relativi progetti
7 - Altra tipologia - 7.12 Attività espositiva:Mostra o Esposizione
7 - Altra tipologia - 7.13 Rapporto tecnico
7 - Altra tipologia - 7.14 Audiovisivi
7 - Altra tipologia - 7.15 Test psicologici

IRIS contains metadata of a plethora of different kinds of research outcomes, including:

- Software
- Databases
- Exhibitions
- Audio-visual documents
- Etc.

It is not used extensively by UNIBO researchers to provide information about these kinds of research objects

Research questions

What is the current coverage of these kinds of research objects created by the personnel of the University of Bologna in existing (institutional, disciplinary, and generalistic) repositories?

Is there any overlap among these repositories – i.e. research objects deposited in more than one?

How many citations (incoming and outgoing), as in OpenCitations (https://opencitations.net), are these research objects involved in?

How much of such research objects are actually mapped in IRIS?

Minimal set of repositories to consider

Institutional

- AMS Acta: https://amsacta.unibo.it/

Disciplinary

- Software Heritage: https://www.softwareheritage.org/

Generalistic

- Zenodo: https://zenodo.org/

Group of the project

You are organised in a big group coordinated by the professor who act as Project Manager

Each member of the group declares its expertise (one or more) in terms of

- Writing
- Programming
- Data
  - formats and representation
  - gathering via Web, e.g. by APIs
  - processing and analysis
  - visualisation

Action item (now): you must decide a name to assign to the group – please, be creative

Setting up a GitHub space

Each member of a group must have a GitHub account – in case you do not have it yet, please create one

Each member will be assigned to a GitHub team I will create using the name of the group

I will create a specific folder on the GitHub repository of the course to allow you to store all the material collected for the project

Action item (now): create a GitHub team and add all members of the group

Action item (now): create a GitHub folder for the material of the project

EOSC EU Node as whiteboard

EOSC EU Node (https://open-science-cloud.ec.europa.eu/) is a platform that primarily supports multi-disciplinary and multi-national research, where researchers can find easy-to-use tools and the much-needed support to both individually and collectively, plan, execute, disseminate, and assess their typical research workflows and outcomes

We are going to use it as a shared cloud place where to experiment and record activities

Action item (now): Access the EOSC EU Node with your UNIBO credentials

Action item (now): Add and confirm membership to the group

Action item (now): Create the Lab Notebook (check if in Jupyterlab or Etherpad)

An additional action item

You have to provide a structured abstract presenting your work – yes, even if it is not yet completed! It will be updated by you daily everytime you need

A structured abstract is just a very brief document describing your research

This exercises oblige you to think about your research before addressing it

Please follow the template proposed by Emerald Publishing to sketch the structured abstract (using Etherpad), and then upload a first version of it in your GitHub folder in a file named “abstract.md”

The following points should always be featured

- **Purpose:** This is where you explain ‘why’ you undertook this study. If you are presenting new or novel research, explain the problem that you have solved. If you are building upon previous research, briefly explain why you felt it was important to do so. This is your opportunity to let readers know why you chose to study this topic or problem and its relevance. Let them know what your key argument or main finding is.
- **Study design/methodology/ approach:** This is ‘how’ you did it. Let readers know exactly what you did to reach your results. For example, did you undertake interviews? Did you carry out an experiment in the lab? What tools, methods, protocols or datasets did you use?
- **Findings:** Here you can explain ‘what’ you found during your study, whether it answers the problem you set out to explore, and whether your hypothesis was confirmed. You need to be very clear and direct and give exact figures, rather than generalise. It’s important not to exaggerate or create an expectation that your paper won’t fulfil.
- **Originality/value:** This is your opportunity to make a clear and succinct case for the value of your results. It’s a good idea to ask colleagues whether your analysis is balanced and fair and again, it’s important not to exaggerate. You can also reflect on what future research steps could be.

End

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