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Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



SISSA  
Scuola  
Internazionale  
Superiore di  
Studi Avanzati



# Professional Master Course in Data Management and Curation

September 2024 - May 2025

Application deadline: 31/05/2024

**CNR – Istituto Officina dei Materiali (IOM)** is looking for a student who wants to acquire skills in **Open Science** and **FAIR principles**, with a hands-on approach to data management methodologies, from research data acquisition to data analysis.

After an initial 6-week intensive training at SISSA and AREA Science Park campuses, the participant will work at the CNR-IOM facility for 7 months, to implement a FAIR-by-design data management workflow in the laboratories that are part of the **NFFA-DI** research infrastructure for nanosciences and nanotechnology.

The course is addressed to:

- Students with at least a bachelor's degree ("laurea triennale" or equivalent), in science, engineering or computer science;
- Students still enrolled in a university master's degree course ("laurea magistrale" or equivalent), in science, engineering or computer science.

The participant **will receive a lump sum reimbursement of €15.000** for the full 9 nine-months programme. At the end of the course, she/he will discuss a FAIR-by-design thesis project and receive a certificate of attendance.



## SCIENTIFIC PROGRAMME

- Introduction to Open Science (20 hours)
- Scientific Programming Environment (20 hours)
- Cloud Data Environment (20 hours)
- Programming: Python for Data Management (30 hours)
- Data Infrastructures (20 hours)
- Tools for Data Management and Curation (24 hours)
- Introduction to Statistical Data Analysis and Machine Learning (24 hours)

For information, please contact by 25/05/24:  
[deangelis@iom.cnr.it](mailto:deangelis@iom.cnr.it) and [africh@iom.cnr.it](mailto:africh@iom.cnr.it)

Apply by 31/05/24 by following the instructions at:  
[www.iom.cnr.it/news-events/news/mdmc-master](http://www.iom.cnr.it/news-events/news/mdmc-master)

Master's  
webpage

