COMPUTATIONAL DATA SCIENCE
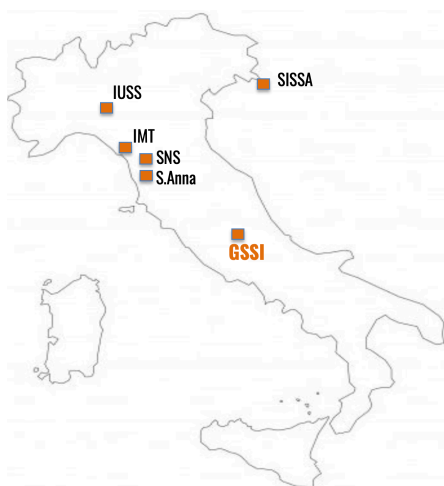
Internship @ Gran Sasso Science Institute

GSSI is an International Center of Doctoral Studies and one of the Italian Schools of Excellence

150+ PhD students
130+ Faculty and Postdocs
~1/3 from outside Italy

Internships are within the Numerical Analysis and Data Science Group

Supervisor:
Francesco Tudisco

Duration: **6-9 months,** depending on the initial objective and the progress

Background skills: numerics & optimization (basics), python

Research oriented projects, aiming at publishing on ML conferences or Appl Maths journals

Internship Projects:
Topics at the intersection between Matrix Theory, Numerical Analysis, Network Science and Machine Learning

- Adversarial attacks/defence
- Neural ODEs
- Graph Neural Networks
- Explainable AI
- Core-Periphery detection
- Friendship paradox
- Higher-order graph models