University of Messina, Italy
Department of Mathematical and Computer Sciences,
Physical Sciences and Earth Sciences

Subject: Internship Proposal

ID	PTI_Ruggeri Armando_23/05/2025 14.42.14
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Project Supervisor

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Project Co-Supervisor

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Project details

Title	Multi-Input Data Collection for Weather Forecast Predictions

Detailed description: Student will explore and implement advanced techniques for collecting multi-input data to enhance the accuracy and reliability of weather forecast predictions. With the increasing complexity of climate patterns, the integration of diverse data sources can significantly improve the precision of weather forecasts, contributing to better-informed decision-making in various sectors, conducting a comprehensive review of current research and methodologies related to multi-input data collection in weather forecasting, and identify gaps and opportunities for improvement.
As a final result, the student will design and implement strategies for integrating diverse data sets, considering factors such as temporal and spatial resolutions, data quality, and compatibility, exploring machine learning and artificial intelligence approaches for optimizing the integration process.

Duration (month – max 12)	6
Duration (hours)	undefined
Open positions	5

Internship Skills

Technical requirements:

Other skills	