



Università  
Ca' Foscari  
Venezia

**PROJECT ACRONYM AND TITLE:** MASTER - Multiple ASpects TrajEctoRy management and analysis

**FUNDING PROGRAMME:** HORIZON 2020

**CALL:** MSCA-RISE-2017 - Research and Innovation Staff Exchange

**SCIENTIFIC FIELDS:** Mobility data analysis, trajectory data, social media, machine learning, big data, tourism, transportation, sea monitoring

**HOST DEPARTMENT:** DAIS - Department of Environmental Sciences, Informatics and Statistics

**SCIENTIFIC RESPONSIBLE:** Alessandra Raffaetà

**FINANCIAL DATA:**

Project total costs	Overall funding assigned to UNIVE
€ 504.000,00	€ 85.500,00

**ABSTRACT:**

An ever-increasing number of diverse, real-life applications, ranging from mobile phone calls to social media and land, sea, and air surveillance systems, produce massive amounts of spatio-temporal data representing trajectories of moving objects. Trajectories, commonly represented by sequences of timestamps and position coordinates, thanks to the high availability of contextual and semantic-rich data can be enriched and are evolving to more comprehensive and semantically significant objects. In the MASTER project we envision holistic trajectories, meaning trajectories characterized by the fact that the spatio-temporal and semantic aspects are intimately correlated and should be considered as a whole. However current state of art does not provide management and analysis methods "ready for use" for these multiple aspects trajectories.

The overarching objective of this project is to form an international and inter-sectoral network of partners working on a joint research programme by developing methods to build, manage and analyse multiple aspects trajectories. These methods are driven by application scenarios from three different domains: tourism, sea monitoring and public transportation.

Planned Start date	Planned End date
1 <sup>st</sup> March 2018	28 <sup>th</sup> April 2022

**PARTNERSHIP:**

1 Consiglio Nazionale delle Ricerche	Rome (IT)	Coordinator
2 Università Ca' Foscari Venezia	Venice (IT)	Partner
3 University of Piraeus Research	Gr. Lampraki (GR)	Partner
4 Université de Versailles Saint-Quentin-en-Yvelines	Versailles (FR)	Partner
5 Harokopio University	Athens (GR)	Partner
6 Dimos Thiras	Fira (GR)	Partner