

Placement description

y e n e s i s



Polo per la Mobilità Sostenibile (POMOS),

Currently POMOS can involve the students in two main projects:

- **MoSES Project:** a modular and intelligent electric infrastructure for the development of residential microgrids and local energy communities (smart grids).
- **LIFE Silver Coast Project:** A revolutionary system of sustainable mobility will interest, in the next few years, Isola del Giglio, Monte Argentario and Orbetello. These three municipalities, for the first time along with the citizens and those operating upon that territory, will implement an innovative plan aiming at creating a system of alternative and environmentally friendly transport. The European Commission has approved the financing for the implementation of the pilot project “Life for Silver Coast”(LSC). The project, with an estimated cost of over 5 million euro, is based on the use of exclusively electrical vehicles that will make areas which are not currently reached by public transport, accessible especially to tourists.

For more details on LIFE project: <http://www.lifeforsilvercoast.eu/>. The works can be focused on:

- The investigation on the socio-economics impact and most critical laws of above described.
- Life Cycle Assessment of the ship, VALENTINO-II, involved in the LIFE project.
- Investigation, design and test of the MoSES microgrid energy management system and prediction systems based on machine learning algorithms. The works can foresee the study and analysis of single residential electric loads as well as their flexibility and the formulation of a suitable electric market considering a smart community and the connection to the main grid.