

## **Education and training**

He holds a Master Degree in "Environmental Sciences" at the University of Salento with focus on Climate Bioindicators. Later he performs a training in "Chemical Analysis of Environmental Matrices" at ARPA Puglia. He still holds a Professional Master's Program in " Management of Environmental Resources -Air, Soil, Waste, Energy- and a advanced professional training in Operational Oceanography, organized by CMCC (Euro - Mediterranean Center on Climate Change). His training is focused on Analysis of Climate Indices in the Mediterranean Area and on how the atmospheric pattern can influence ocean circulation of the Ionian Sea.

## **Work experience**

Junior research at CMCC, Ocean Lab, in Lecce. His work is focused on:

- Implementation of a DSS of Early Warning with a focus on Climate Indicators in the Mediterranean Sea under TESSA - Development of technologies for the "Situational Sea Awareness"- project;
- Collaboration with EMODNET Med Sea Checkpoint, a monitoring system assessment activity based upon targeted end-user applications, for the implementation of Physics Data Portal;
- Implementation of a validation system for the Black Sea Forecast Service.

Junior Research at the University of Salento:

Implementation of a wave forecasting system for Apulia region in the framework of START (SysTem of rAping mapping and monitoRing of coastal and marine environmenT) project developed by University of Salento, CMCC, Links and other regional partners. The forecasting system is based on the coastal model SWAN nested in WAVEWATCH III.

Main activities:

- dynamical downscaling applications;
- wave forecasting for the Adriatic- Ionian seas domain;
- past simulations (1 year);
- validation activities
- propagation from open sea to coast for local domains (e.g. Gallipoli, Lesina, Taranto).

## **Interests**

My passion for geosciences starts very soon. Indeed, when I was a little child I "tried to read" an atlas and some time later in primary school, I persuaded the school leaders to get a collective subscription for an environmental protection association. For me, it was then a natural choice to study environmental sciences at the University. During those years my love for ocean and climate dynamics grew up and at the same time the interest for forecasting models, in particular during an extreme event forecasting. I organized many conferences and events about climate change and, later, I started to work in these fields (climate and oceanography above all). I constantly try to support a good dissemination of scientific knowledge in geosciences, especially in climate change, by giving talks and meeting pupils in middle and high school, and by animating more discussions in the web through social networks.