

ClimaSouth Regional Workshop on Methods and Tools for Vulnerability Assessment

Date: 03/04/05 February 2016

Location: Palazzo delle Stelline, Room Borromeo, Ground floor.

Address: Corso Magenta 61, Milan, Italy

Google map [Link](#)

ClimaSouth has conducted during Mar-Nov 2015, a Regional Programme on Downscaling Climate Modelling including hands-on training in the use of downscaled information for impact assessment. The workshop proposed here will build on these previous efforts and cover a wide spectrum of vulnerability assessment methods using quantitative models and participatory (stakeholder based) approaches. To illustrate the methods, the workshop will focus on the vulnerability assessment on coastal zone and agriculture sector. Each participant country team will then be invited to undertake a supervised homework analysis in the months following the workshop.

Organisers: ClimaSouth (Agriconsulting consortium) with a lead technical partner institution (CMCC)

Country beneficiaries: All ClimaSouth countries

Objective: The overall objective of the ClimaSouth programme is supporting the transition of South Mediterranean countries towards low carbon development and climate resilience, in a context of sustainable and democratic development, by enhancing regional cooperation, information sharing and capacity development on climate change mitigation and adaptation between the EU and its Mediterranean neighbours and among South Mediterranean partners themselves.

'Strengthening institutional adaptation capacity' is one of the 5 purposes of the project: This purpose is implemented through three activities:

- **Activity 3.1.1:** Adaptation data management and analysis
- **Activity 3.1.2:** Vulnerability assessments
- **Activity 3.1.3:** Adaptation plan development/Enhancement/update of existing adaptation Strategies/Plans.

The vulnerability workshop proposed here falls within the scope of Activity (3.1.2). The workshop is structured in a way that increases regional cooperation, through joint training and the sharing of experiences and case studies and will build on concepts and results in the latest IPCC report (Climate Change 2014: Impacts, Adaptation, and Vulnerability) and the outcomes of the Paris Agreement.

Agenda

Wednesday 3rd February

BACKGROUND AND INTRODUCTION

Morning 9.30 -12.30

- Workshop opening, welcome, workshop goals, participant introductions - GIULIA GALLUCCIO, BERNARDO SALA, ANDREA DI VECCHIA)
- The Paris Agreement and the adaptation goal. ELISA CALLIARI, CMCC
- Key Climate Change Issues in the ClimaSouth Region. EDOARDO BUCCHIGNANI, CMCC)

Lunch 12.30-14.00

Afternoon 14.00-17.30

- Climate Change Impacts, Adaptation and Vulnerability Approaches. ANDREA CRITTO, CMCC
- Participatory (stakeholder based) methods for vulnerability assessment. VALENTINA GIANNINI, CMCC

Question and answers

Introduction to Hands-on training component (the analysis/analyses that will be worked through).

Thursday 4th February

COASTAL VULNERABILITY ASSESSMENT, EXISTING METHODS & TOOLS

Morning 9.30 -12.30

- Methods for assessing coastal vulnerability to climate change. *SILVIA TORRESAN, CMCC*
- DESYCO: A decision support system for the regional risk assessment of climate change impacts in coastal zones. *ANDREA CRITTO, CMCC*
- Towards a coastal ocean forecasting system in the Mediterranean Sea. *IVAN FEDERICO, CMCC*

Lunch 12.30-14.00

Afternoon 14.00-17.30

- DESYCO: key functionalities for stakeholders across case studies (focus on the case study of the Gulf of Gabes, Tunisia). *ELISA FURLAN, CMCC*
- Marine Environment and  , ocean/weather forecasts and environmental indicators for the Mediterranean Sea. *RITA LECCI, CMCC*
- Application of a spatially explicit risk approach for multi-hazard assessment and management in marine environment . *ELISA FURLAN, CMCC*

Hands-on training: discussion on possible vulnerability analyses.

- Preliminary discussion between participants and workshop experts of a vulnerability analysis that each participant country team would like to do as a supervised homework (participants are encouraged to prepare for this discussion)

Friday 5th February

VULNERABILITY ASSESSMENT IN AGRICULTURE, EXISTING METHODS & TOOLS

Morning 9.30 -12.30

- Modelling crop vulnerability and risk by applying the Decision Support System for Agro technology Transfer-Cropping System Model (DSSAT-CSM), VALENTINA MEREU, CMCC

VULNERABILITY ANALYSIS FOR THE REGION

- DESYCO Corner: interactive demonstration of the software DESYCO, ANDREA CRITTO, SILVIA TORRESAN and ELISA FURLAN, CMCC.
- SEA CONDITIONS Corner: interactive demonstration of the tool, RITA LECCI and IVAN FEDERICO, CMCC

Laptops will be made available for participants hands-on training

Lunch 12.30-14.00

Afternoon 14.00-17.30 –

- DESYCO Corner and SEA CONDITIONS Corner (cont.ed)
- Participants to present their vulnerability analysis (current status if progress is already in place, and plans for homework analysis)

-End of the Workshop-