



23-24 September 2013
Carlo V Castle, Lecce - Italy

FIRST ANNUAL CONFERENCE

Climate change and its implications on ecosystem services and society

 **SCOPE**

Create and promote an interdisciplinary platform for discussion on climate systems and their interactions with the environment and the society.

Promote a constructive and interdisciplinary dialogue between scientists, policy makers, service providers and the general public.

Explore and model physical-chemical-biological-societal-economic responses through the most advanced techniques available.

Foster scientific dialogue on policy making and strategies regarding adaptation, mitigation, and sustainable growth.

 **TOPICS**

1. Advances in Climate Science

Theories, observations, and models of the dynamics of atmospheric and oceanic fluids: climate change, rapid environmental changes, forecasts and projections, mesoscale processes and extreme events.

2. Implications on ecosystem services

Analysis, projections, models and evaluation of climate change impact and extremes on natural ecosystems and agriculture.

Changes in land-use and land-cover, also due to extreme hydrological and hydrogeological events

Adaptation and mitigation strategies for hydrological and hydrogeological risks.

Adaptation and mitigation strategies for the management of water resources.

3. Climate policy and economic assessments

Translate the interactions between climate and the processes concerning ecosystems into economic values.

Plan and evaluate strategies for adaptation and mitigation policies.

Assess the impacts of climate extremes and climate change on public health.

Climate change and urbanization: implications, feedback and evaluation of strategies and of public choices.

Implications of climate change on cultural heritage preservation, analysis and assessment of the vulnerability of cultural heritage related to climate change and potential strategies for adaptation and mitigation.



STRUCTURE OF THE CONFERENCE

Plenary Sessions

Both days of the conference will open with a lecture given by experts who will provide participants with an in-depth analysis on the integration of the interdisciplinary studies on climate change and the numerous implications on scientific research, technological innovation and socio-economic systems.

Parallel Sessions

Given the range and the vastness of the topics, the parallel sessions will offer the opportunity to provide space and attention to a significant number of presentations where participants can present their research and discuss it with those present. The specific topics of the parallel sessions will be determined after the submission of papers.

Poster Sessions

A special area will be dedicated to the exhibition of posters to provide a further opportunity to present work and projects on climate research. Thanks to the poster session we will propose and analyze content through a graphical and textual summary, in a communicative context particularly suited to encourage an immediate exchange of opinions and comments among the participants.

An award for researchers under 40

The Italian Society for Climate Sciences aims to encourage and promote the involvement of young researchers to contribute to the advancement of scientific research. To this end, during the Annual SISC Conference, authors under 40 will be awarded for a poster and a paper that, among all the works presented, will be deemed particularly worthy in the opinion of the Scientific Committee.

Participants

The Annual SISC Conference is open to scientists, researchers, policy makers, entrepreneurs, associations and experts. The participation of young researchers and doctorates is particularly welcome. To participate in the conference there will be a registration fee and more information will soon be available on the website at www.sisclima.it.

Scientific Committee

Antonio Navarra - *co-chair* - Centro Euro-Mediterraneo sui Cambiamenti Climatici

Donatella Spano - *co-chair* - Università degli Studi di Sassari

Anna Alberini - University of Maryland

Vincenzo Artale - ENEA

Sveva Avveduto - Istituto di Ricerche sulla Popolazione e le Politiche Sociali – CNR

Alberto Basset - Università del Salento

Anthony Bigio - World Bank

Antonietta Capotondi - NOAA/ESRL/PSD e CIRES Climate Diagnostic Center

Carlo Carraro - Università Ca' Foscari di Venezia/ Fondazione Eni Enrico Mattei

Raffaello Cervigni - World Bank

Marzio Galeotti - Università degli Studi di Milano

Paolo Gasparini - AMRA S.c. a r.l.

Claudia Pasquero - Università degli Studi di Milano-Bicocca

Antonello Provenzale - Istituto di Scienze dell'Atmosfera e del Clima – CNR

Paolo Ruti - ENEA Centro Ricerche Casaccia

Cristina Sabbioni - Istituto di Scienze dell'Atmosfera e del Clima – CNR

Riccardo Valentini – Università degli Studi della Tuscia

The Castle of Charles V

The Conference will be hosted in the beautiful Baroque surroundings of Lecce in one of the most important architectural buildings in the area. This historical building of the fifteenth century stands in the center of the city and is now a place of great artistic and cultural prestige.

Carlo V Castle



Carlo V Castle – Maria D'Enghein Room

