



LIFE SEC ADAPT PROJECT

LIFE14 CCA/IT/000316

Upgrading Sustainable Energy Communities in Mayor Adapt initiative by planning Climate Change Adaptation strategies

Report networking event

**SISC Fifth Annual Conference
“Climate Action in support of the Paris Agreement”**



PROGRAMME	LIFE 2014 - 2020 - Climate Change Adaptation
PROJECT ACRONYM	LIFE SEC ADAPT
PROJECT CODE	LIFE14/CCA/IT/00036
TITLE	SISC Fifth Annual Conference 2017 “Climate Action in support of the Paris Agreement”
ACTION/TASK RELATED	E2 - Networking with other LIFE and/or non- LIFE projects
DATE OF DELIVERY	30/11/2017
VERSION	1
AUTHOR	Caterina D’Auria

LIFE SEC ADAPT
LIFE14 CCA/IT/000316





General information

Select typology:	<ul style="list-style-type: none">• <i>conference</i>
Title:	SISC Fifth Annual Conference 2017 "Climate Action in support of the Paris Agreement"
Name of the organisation proposer:	Italian Society for Climate Sciences (SISC)
date:	26-27 October 2017
SEC ADAPT partners participating	SVIM Srl (Lead Partner)
Website info:	http://www.sisclima.it/conferenza2017/?lang=en

Specific information

Main thematic addressed:	<ul style="list-style-type: none">• Climate Adaptation• Climate Mitigation• <i>RES (Renewable Energy Systems)</i>• <i>Energy Saving</i>• <i>Sustainable Mobility</i>• <i>Environmental protection</i>• <i>Agriculture and Forest</i>• <i>Biodiversity</i>
type of stakeholders involved (specify numbers if possible)	<ul style="list-style-type: none">• <i>Public Administration</i>• Academic Institution• <i>Business sector – professional/industry association</i>• <i>Business sector - Individual Consultant or companies</i>
Territorial level	<ul style="list-style-type: none">• <i>European</i>





specify territories

- *Italy and EU Member State*

Report

Aim of the event:

The Conference aimed to involve scientists, researchers and policymakers, whose activities are focused on different aspects of climate change, its impacts and related policies. The SISC Fifth Annual Conference was an important interdisciplinary platform for the presentation of new advances and research results in the fields of science and management of climate change.

The main topics of the SISC 2017 are reported below:

- Decarbonisation
- Adaptation and climate services
- Climate impacts in Europe
- Inter-relations between climate change, biodiversity and ecosystems
- The Cryosphere
- Knowledge gaps in climate science, in support of IPCC reports
- Improving the understanding of key climate processes for reducing uncertainty in climate projections
- Tipping points
- Connecting economic and environmental gains – the circular economy
- Water for our environment, economy and society
- New technologies for zero/negative emissions

Specific SEC ADAPT Partners activity (presentation, participation to workshop, poster etc.)

SVIM, as Lead Partner of LIFE SEC ADAPT project participated to the SISC Annual Conference for 2017 together with its external expert ISPRA. SVIM took part to all **plenary lectures** as well as some of the **parallel sessions** (Adaptation and climate services – *Driving adaptive responses for risk assessment and reduction*, Adaptation and climate services – *Building a market: user needs, businesses models, cases study*, Climate impacts in Europe).

SVIM, with the contribution of ISPRA submitted a paper titled "An Indicator-Based Assessment Of Climate Change Vulnerability In The Marche Region" for presentation to the SISC 2017 Annual Conference. The paper was well evaluated by the Scientific Committee of the Conference and presented within the [poster exhibition](#) which took place Thursday 26th October and Friday 27th October.

The poster has been displayed for the entire duration of the conference and discussed in front of the poster board during the dedicated sessions.

Below the poster presented at the SISC Annual Conference.



An Indicator-Based Assessment Of Climate Change Vulnerability In The Marche Region

Giordano F.^{1, *}, Salmeri A.¹, Baiocco F.¹, De Maio F.¹, Marinosci I.¹, Santonico D.¹, Catalani L.², D'Auria C.², Renda S.²

¹Institute for Environmental Protection and Research - Italy, ²Sviluppo Marche srl - Italy

*Corresponding Author: francesca.giordano@isprambiente.it

LIFE Sec-Adapt Project

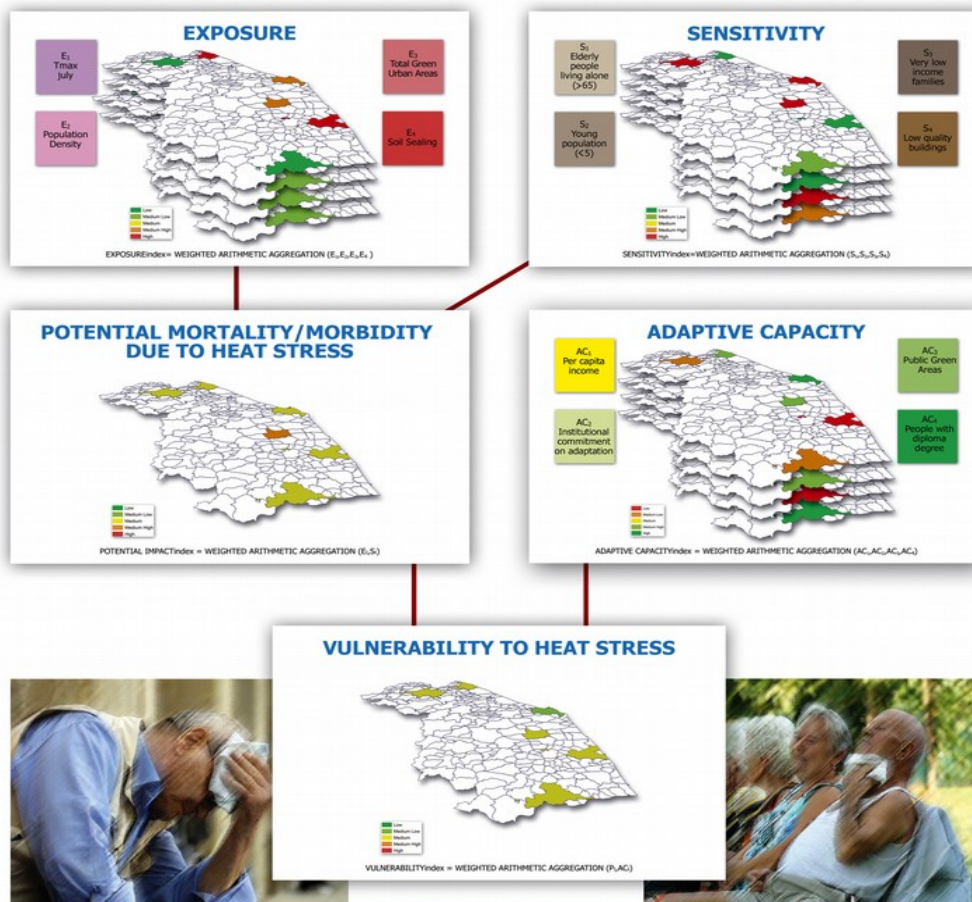
LIFE Sec Adapt Project - Upgrading sustainable energy communities in Mayor's Adapt initiative by planning climate change adaptation strategies - aims to contribute to improve the climate resilience capacity of the European urban areas. The Municipalities involved in the project intend to promote and update the "Sustainable Energy Communities (SEC)" model, by making Local Communities the drivers for the regional sustainable development through the coordination and support of Regional Authorities and Development Agencies.

The methodological framework for the Vulnerability Assessment to heat stress in the cities

The Vulnerability Assessment to heat stress in the cities of the Marche Region is based on the most widely used definitions provided by the Assessment Report IV of the Intergovernmental Panel on Climate Change. Vulnerability is therefore intended as the degree to which a system is susceptible to, and unable to cope with, adverse effects of climate change, including climate variability and extremes. Vulnerability is a function of the character, magnitude, and rate of climate change and variation to which a system is exposed, its sensitivity, and its adaptive capacity.

Vulnerability Assessment Framework

The Framework provides an example of the methodological implementation of vulnerability assessment to heat stress and illustrates how the conceptual chain Exposure-Sensitivity-Potential Impact-Adaptive Capacity-Vulnerability could help better understand the cause-effect relationship determining vulnerability to heat stress.



Grafica Area Comunicazione ISPRA - Franco Jozzoli

Conclusions and further steps

Further steps of the Vulnerability Assessment in the Marche Region will be focused on other highly sensitive sectors such as Energy, Infrastructure, Tourism, Biodiversity and Agriculture in order to have a full understanding of the main climate vulnerabilities, thus shaping the regional sectoral planning processes and addressing the more appropriate interventions.



Lesson learnt to spread with LIFE SEC ADAPT partners:

The aim of the Fifth Conference was to foster scientific debate between scientists, managers and policy makers as well as other stakeholders whose activities are focused on different aspects of climate change, its impacts and related policies.

To deal with climate change impacts it is important to have all the support and collaboration of the stakeholders involved in the climate debate. The Conference was therefore a good opportunity **to network with public authorities, academia and EU projects** dealing with climate adaptation and mitigation impacts.

One of the most relevant project presented during the conference was the **PRIMA initiative**: a new Partnership on Research and Innovation in the Mediterranean Area (PRIMA) which will develop much-needed solutions for a more sustainable management of water and agro-food systems. The main objective of the ten-year initiative (2018 – 2028), which is partly funded by EU's research and innovation programme Horizon 2020, is to devise new R&I approaches to improve water availability and sustainable agriculture production in a region heavily distressed by climate change, urbanisation and population growth.

The partnership currently consists of 19 participating countries: Algeria, Croatia, Cyprus, Egypt, France, Germany, Greece, Israel, Italy, Jordan, Lebanon, Luxembourg, Malta, Morocco, Portugal, Slovenia, Spain, Tunisia and Turkey. As the initiative is evolving over time, more participants, from both EU and non-EU countries, are expected to follow.

The partnership will be financed through a combination of funding from participating countries (currently €274 million), and a €220 million contribution from the EU through Horizon 2020, its research and innovation funding programme (2014 – 2020).

Moreover, the Conference took inspiration from the upcoming H2020 Work Programme 2018 – 2020, Action on the Societal Challenge “Climate action, environment, resource efficiency and raw materials” which aims to improve the understanding of the causes governing climate change and to open the road to address innovative solutions. The participation to the SISC 2017 was therefore was a good opportunity to deepen forthcoming H2020 objectives, priorities and call on climate action.

Communication and Media information

communication channels	-----
Media	<ul style="list-style-type: none"> • <i>LSA poster</i>

