

Tentative Program - last update 10 Oct.	<b>4th SISC CONFERENCE</b> <b>Climate challenges and solutions under the 2°C target</b> CAGLIARI - 19-20 OCTOBER, 2016					
<b>Wednesday 19 October, 2016</b>						
10.00-11.00	REGISTRATION > AULA MAGNA					
11.00-12.00	WELCOME <b>Donatella Spano</b> – SISC President, Regione Autonoma Sardegna - Ass. della Difesa dell'Ambiente <b>Micaela Morelli</b> – Università degli Studi di Cagliari - Prorettore alla Ricerca <b>Corrado Zoppi</b> – Università degli Studi di Cagliari - Preside Facoltà di Ingegneria e Architettura <b>Luca Gabriele Deidda</b> – Università degli Studi di Sassari - Prorettore Vicario <b>Roberto Furesi</b> – Università degli Studi di Sassari - Direttore Dip.to di Scienze della Natura e del Territorio					
12.00-13.00	PLENARY > AULA MAGNA <b>ANDREA KARPATI</b> - CLIMATE KIC, Head of Policy EU commitments, programs and strategies to bridge Paris Agreement into action, focusing on the cross-sectoral cooperation					
13.00-14.00	<b>SOFT LUNCH</b>					
	Session I Aula Magna		Session II Aula I		Session III Aula M	
	<i>New data analyses and data-driven modelling for climatic investigations</i> Chair: <b>Antonello Pasini</b> - CNR IIA		<i>Climate Smart solutions for Agriculture and Forestry: a way to cope with climate change</i> Chair: <b>Valentina Mereu, Costantino Sirca, Antonio Bombelli</b> CMCC		<i>Contributions by non-state actors for more effective policies at sub-national level</i> Chair: <b>Mita Lapi</b> - FLA	
14.00-14.20	Sunshine duration and solar radiation variability and trends in Italy during the last 55 years and underlying causes	Manara V. (Università di Milano)	The role of precision agriculture tools to cope with climate change impacts	Bindi M. (Università di Firenze)	Mitigation and adaptation planning in Italy at the different administrative levels: synergies and contradictions	Gaudioso D. (ISPRA)
14.20-14.40	Temperature and precipitation climatologies for Italy and downscaling of the Italian secular records onto a high-resolution grid	Brunetti M. (CNR ISAC)	Innovative policy approaches; the key to unlocking global goals	Mallet R. (Università di Firenze)	From international commitments to the climate action plan of Lombardy: mitigation and adaptation at regional level	Gurrieri G. (ISPRA)
14.40 - 15.00	Climatology of surface and subsurface layer parameters on Piemonte (Italy) vineyards	Cassardo C. (Università di Torino, CINFAI)	Application of wildfire spread modeling to support fuel management programs and wildfire risk mitigation in Mediterranean ecosystems	Salis M.(CMCC, Università degli Studi di Sassari)	Regional Climate Change Mitigation Strategy of Sardinia Region: implementation and the resulting adaptation measures. Pilot actions and governance models.	Cocco G. (Regione Sardegna)
15.00 - 15.20	Role and capabilities of GPM mission in the characterization and monitoring of extreme precipitation events in the Mediterranean region	Panegrossi G. (CNR ISAC)	Tree inclusion over agricultural landscape, an uncounted potential for climate change mitigation	Trabucco A. (CMCC)	Pilot experiences from Italian cities and territories	D'Alessio E. (CA21)
15.20 - 15.40	Assessment of climatic influences on the abundance of vectors of leishmaniosis in Italy using a neural-network model	Pasini A. (CNR IIA)	The biochar option: a carbon negative technology for climate change mitigation	Ventura M. (Free University of Bolzano/Bozen)	From local to global fight for limiting warming at 1.5°C: the role of NAZCA pledges	Piana V. (Economics Web Institute)
15.40 - 16.00	<b>COFFEE BREAK</b>					
	<i>Transforming consumption and production paradigms to support sustainable societies – Sustainable futures in practice</i> Chair: <b>Pierpaolo Duce</b> - CNR IBIMET		<i>Challenges and opportunities for mitigation and adaptation in a post-Paris context.</i> Chair: <b>Francesco Bosello</b> - CMCC, FEEM, Università di Milano		<i>Climate of the Past, from archives to data interpretation</i> Chair: <b>Carlo Barbante</b> - CNR IDPA, Università Cà Foscari	
16.00 - 16.20	LCA in the agro-food sector: complex but necessary	Masoni P. (ENEA)	Cost effectiveness of adaptation reconsidered in the light of higher order effects: the case of irrigation	Bosello F. (CMCC, FEEM; Università di Milano)	Paleoclimatology, geochronology and tephra layers	Laurenzi M. (CNR IGG)
16.20-16.40	Opportunities for a multifunctional agriculture	Miglietta F. (CNR IBIMET)	Assessing INDCs in China, India and developing Asia	Emmerling F. (FEEM)	An ensemble of interglacials: insights from marine sediments	Ferretti P. (CNR IDPA)
16.40-17.00	Transition to a circular economy and climate change	Marin G. (CNR IRCRES)	Towards a comprehensive risk assessment of climate induced and aggravated risk in Italy	Mysiak F. (CMCC, FEEM)	Paleoclimatology, geochronology and tephra layers Reconstructing terrestrial climates using quantitative palaeoecology. case studies from the high-altitude alpine holocene and the last glacial and interglacial extremes in n-Italy and Slovenia.	Pini R. (CNR IDPA)
17.00-17.20	Re-use residues: food wastes and circular economy	Ravasio N. (CNR ISTM)	The co-benefits of the INDCs on local air pollution	Aleluia Reis L. (FEEM, CMCC)	Reconstructing early human activity and fire history from biomarker profiles in lake sediment cores: three case study.	Battistel D. (Università Ca' Foscari Venezia, DAIS)

17:20-17:40	The challenges of combining the economic, social and environmental pillars of sustainability around the dairy sheep fo Sardinia	Vannini M. (Università di Sassari)	The challenge of the climate and energy policies integration in Italy: the De-carbonization technical experts group	Motta M. (Politecnico di Milano)	Millennial to centennial-scale climatic variability during the last 10 ka over the central mediterranean: chasing for analogues?	Zanchetta G. (Università di Pisa)
17.40-18.30	POSTER SESSION > AULA MAGNA					
Thu. 20 October, 2016						
8.30-9.30	PLENARY > AULA MAGNA <b>FIAMMA STRANEO - Woods Hole Oceanographic Institution</b> Melting of Greenland Glaciers: Mechanisms and Impacts					
	Session II Aula Magna		Session I Aula I		Session III Aula M	
	<i>Regional and Environmental Impacts in a Changing Climate I</i> Chair: Cristina Sabbioni - CNR ISAC		<i>Feasibility and implications of low-carbon scenarios</i> Chair: Stefano Caserini - Politecnico di Milano		<i>Integrated approach for the management of the coastal areas in a climate-changing environment</i> Chair: Giovanni Coppini - CMCC	
9.30-9.50	Elevation-dependent warming and changes in the hydrological cycle in the mountains	Palazzi E. (CNR ISAC)	Introduction: looking for ambitious low-carbon scenarios	Caserini S. (Politecnico di Milano)	Marine spatial planning in a changing world	Fraschetti S. (Università del Salento, CONISMA)
9.50-10.10	Extreme precipitation events and climate change in the Mediterranean region	Gualdi S. (CMCC)	Going further than the INDC, a global view on the short and long term implications of the Paris Agreement	Drouet L. (CMCC)	Deep-sea ecosystems responses to climate anomalies along the European continental margins	Pusceddu A. (Università di Cagliari)
10.10-10.30	Reconstructed and projected heat waves over the main Italian cities from the new high resolution Med-Cordex climate simulations	Sannino G. (ENEA)	Deep decarbonisation of the Italian energy system based on renewable energies: a technical analysis	Tagliabue L. (Politecnico di Milano)	Coastal areas and harbours operational scientific based information system in support of safety and resilience: the case of Apulia region in Italy	Coppini G. (CMCC)
10.30-10.50	The Mediterranean region hotspot: links to global climate change and likely impacts	Lionello P. (CMCC, Università del Salento)	Deep Carbonisation in the Paris Agreement and the role of negative emission	Emmerling J. (FEEM)	Climate change adaptation and coastal management.	D'alessandro F. (Università del Salento)
10.50 - 11.10					Risk assesment and decision support tools for the evaluation of multiple climate change impacts in coastal and marine areas	Torresan S. (CMCC)
11.10 - 11.30	COFFEE BREAK					
	<i>Regional and Environmental Impacts in a Changing Climate II</i> Chair: Cristina Sabbioni - CNR ISAC		<i>Impacts and mitigation strategies in coastal areas</i> Chair: Renzo Mosetti - OGS			
11.30-11.50	Integrated climate monitoring and operational applications	De Bernardinis B. (ISPRA)	Impacts of climate-driven changes on coastal marine ecosystem and related good and services	Cossarini G. C. (OGS)		
11.50-12.10	Climate change scenario at regional scales for risk valuations and production of climate services for local stakeholder	Cacciamani C. (ARPAE, SIMC)	Current status of development of ocean energy in Italy	Sannino G. (ENEA)		
12.10 - 12.30	Role of the mixing bottom layers in the ocean circulation (Ionian Mediterranean sub-basin)	Artale V. (ENEA)	Hydraulic civilizations and climate change	Albrecht B. (Università IUAV di Venezia)		
12.30 - 12.50	Urban climate projections with UrbClim	De Ridder K. (VITO)	Multi-model and multi-scenario projections for waves and storm surges along the Italian coast	Lionello P. (CMCC, Università del Salento)		
12.50 - 13.10			Assessing economically coastal zone protection in a general equilibrium framework	Bosello F. (CMCC, FEEM, Università di Milano)		
13.10 - 14.10	SOFT LUNCH					
14.10-16.00	POSTER SESSION		Workshop Secteur - Food and forests at risk: how can climate services help?			
16.00-16.30	COFFEE BREAK					
16.30-18.00	Assembly Members and Awards > AULA MAGNA					