



SCIENTIFIC BOARD CVs

Climate Services from the users' perspective

ERA4CS Summer School

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<http://www.jpi-climate.eu/ERA4CS>

ANANASSO Cristina

Unit Copernicus, DG for Internal Market, Industry, Entrepreneurship and SMEs (DG GROW), European Commission. Previous work experience Italian Space Agency, Research Executive Agency - European Commission, RSMAS - Rosenstiel School of Marine and Atmospheric Science, University of Miami. Education - II level M.Sc in Project Management from University of Rome III - Italian Society for International Organization (SIOI), Doctor of Philosophy (Ph.D.), Polar Sciences from Università degli Studi di Siena.

BIGANO Andrea - Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Andrea Bigano holds a M.Sc in Environmental Economics from the University College London and a Ph.D in Economics from the Katholieke Universiteit Leuven. He is a Scientist at the Euro-Mediterranean Centre on Climate Change (CMCC). He has been is a Senior Researcher at Fondazione Eni Enrico Mattei (FEEM) and visiting Chief Researcher in Economics at the Laboratory of Climate Research, Far Eastern Federal University, Vladivostok, Russia. Andrea has also been a consultant at Ref., (www.ref-online.it, Milan), scientific adviser at the Abdus Salam International Centre for Theoretical Physics (www.ictp.it) and researcher at the Centre for Economic Studies, Katholieke Universiteit Leuven (www.econ.kuleuven.ac.be, Leuven, Belgium). Andrea has contributed and contributes to research on the nexus between energy and the environment (in terms of the role of energy security, energy efficiency and energy demand in climate change mitigation), on energy externalities, and on the impacts of climate change on the world economy, with a focus on impacts on the energy and tourist sectors. Andrea has been scientific coordinator of the FP7 European project SECURE (on energy security in Europe), has coordinated the scientific contribution of FEEM and CMCC within several European research projects, and has contributed to several national and international projects for both institutions. He is involved in the national and European policy debate on adaptation to climate change, as lead author for energy and tourism for the 2016 EEA Climate Change Impacts and Vulnerabilities Report, as sector coordinator for Tourism within the Italian National Adaptation Strategy and as sector coordinator for energy and tourism within the Italian National Climate Change Adaptation Plan (both tenders of the Italian Ministry of the Environment). Andrea is the author and co-author of numerous publications on environmental economics and energy (with



articles on Energy Economics, Energy Efficiency, Climatic Change, the Journal of Environmental Economics and Management, Journal of Transport Economics and Policy, and Environmental and Resource Economics).

CALFAPIETRA Carlo - Istituto di biologia agro-ambientale e forestale – Consiglio Nazionale delle Ricerche (IBAF-CNR)

Carlo Calfapietra (www.carlocalfapietra.com) is the Acting Director of the Institute of Agro-Environmental and Forest Biology at the Italian National Research Council (CNR), and Lecturer at University of Tuscia. His main interests are the biosphere-atmosphere interactions and the effects of global change and air pollutants on these with a particular focus on the biogenic VOC emission both in urban and rural environments. Dr. Calfapietra has published about 80 research papers on international journals/books on these topics (H-index: 41) and coordinates a number of international and national projects. He is Member of the Editorial Board of a number of scientific journals, former Member of the Scientific Committee "Life, Environmental and Geosciences" of Science Europe, Chair of the COST Action FP1204 "GreenInUrbs", Co-Chair of the Expert Working Group on Nature-Based Solutions at the EU level, Responsible of the Strategic Area "Resources and Ecosystems" of CNR, Italian Focal point of the European Research Infrastructure ICOS and Member of the Centre of Excellence Czechglobe for the study of climate change.

CAMINO Ernesto Rodríguez - Agencia Estatal de Meteorología (AEMET)

Head of Climate Evaluation and Modelling, responsible for all activities related with climate predictions and projections at AEMET. He participates (has participated) in projects related with demonstration/implementation of climate services, such as EUPORIAS, CLARITY, MOSES, ERA4CS-MEDSCOPE, etc. He has responsibility at AEMET for the operational production of seasonal forecasts (including coordination of MedCOF, <http://medcof.aemet.es/>) and the periodical delivery of climate change downscaled scenarios. Member of WMO expert teams and Management Group of WMO Regional Association VI. Long teaching experience.

COPPINI Giovanni – Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Giovanni Coppini is the Director of the Ocean Predictions and Applications Division of CMCC. OPA Division deals with the development of models and methods for interdisciplinary research on marine operational forecasting, on the interactions between coastal areas and the open ocean, on the development of services and applications for all maritime economy sectors, including transport, security and management of coastal areas and marine resources, in the context of climate change adaptation problems. Since May 2015, he is the Copernicus Marine Environment Monitoring Service (CMEMS) Mediterranean Monitoring and Forecasting Centre (MED-MFC) Leader and Deputy Leader of the CMEMS Black-Sea MFC. He holds a PhD in Environmental Sciences from Alma Mater Studiorum University of Bologna. From 2003 to 2012, he has worked at INGV in the operational oceanography division where he was responsible for environmental applications. He has several



papers in peer reviewed Journals on operational oceanographic system development and applications. He co-chairs MONGOOS (Mediterranean Oceanography Network for the Global Ocean Observing System) and he is the Emergency Response Office manager for oil spill accident and risk mapping in the MONGOOS-REMPEC agreement. He has been member of the JCOMM Expert Team on Maritime Safety and Security (ETMSS-4) from 2012 till 2017. From 2017 he is the chair of the new Expert Team Marine Environmental Emergency Response of JCOMM.

CUEVAS AGULLO Emilio - Agencia Estatal de Meteorología (AEMET)

Director of the Izaña Atmosphere Research Center (<http://izana.aemet.es/index.php?lang=en>), WMO expert and member of the WMO Technical Commission for Atmospheric Sciences. The IARC conducts monitoring and research related to atmospheric constituents that are capable of forcing change in the climate of the Earth (greenhouse gases and aerosols), and may cause depletion of the global ozone layer, and those play key roles in air quality from local to global scale. The IARC also contributes to the WMO Global Atmosphere Watch (GAW) system, whose main objective is to provide data and other information on the chemical composition and related physical characteristics of the atmosphere and their trends. The data collected at the GAW monitoring stations are particularly essential to understand the relationship between changing atmospheric composition and changes of global and regional climate.

D'ANCA Alessandro - Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Alessandro D'Anca (male) is a Junior Scientist at CMCC Foundation. He received the laurea degree in Computer Engineering from the University of Lecce in 2006. From 2008 to 2011 he held a Junior Computer Systems Analyst position for ComputerVar S.r.l at the Euro-Mediterranean Center on Climate Change (CMCC), in Lecce. In 2011 he joined the Scientific Computing and Operations Division at CMCC, working in the Scientific Data Management research group. Since 2015 he leads the Scientific Data Management research group in the Advanced Scientific Computing Division. His research activities focus on high performance computing, distributed and grid computing, in particular on distributed data management, data analytics/mining and high performance database management. He has been involved in many national and international project holding development, project or scientific management tasks: TESSA, CLIP-C, OFIDIA, MARSOP4, INDIGO-Datacloud, ESIWACE. He is author and co-author of several papers on big data analytics for eScience.

IOVINO Dorotea - Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Dorotea Iovino holds a Ph. D. in physical oceanography from the Geophysical Institute, University of Bergen (Norway). She expanded her knowledge and experience in oceanography and ocean/sea ice numerical modeling during the post-doctorate at the Laboratoire d'Océanographie et du Climat: Expérimentations et Approches Numériques (LOCEAN) in Paris (France), and is currently a researcher at the Foundation Euro-Mediterranean Centre on Climate Change (CMCC), in Bologna, where she coordinates the research activities of Ocean and Sea-Ice Modeling group within the Ocean



Modeling and Data Assimilation Division at CMCC since 2015. She has been involved into several national and international projects, with more than 10 years of experience working on ocean and sea ice modeling, both on the technical and scientific aspects, with particular interest in the high-resolution ocean dynamics. She has been involved in high-resolution modeling study within PRACE funded projects. Since 2017, she is member of the CLIVAR/CliC Northern Oceans Regional Panel (NORP). As NEMO Officer, she leads the CMCC effort within the NEMO System Team in developing the model system, member of the NEMO sea ice Working Group since 2016. Since 2012, she teaches in Ph.D. programme in Science and Management of Climate Change at Ca' Foscari University in Venice.

LASAPONARA Rosa – Istituto di Metodologie per l'Analisi Ambientale, Consiglio Nazionale delle Ricerche (IMAA-CNR)

Rosa Lasaponara (degree in electronic engineering, master in engineering of the territory (Thesis 1994 on the use of GIS for fire monitoring: the case study of Ionian coast area), PhD in methods and technologies for environmental monitoring (Thesis 1998 on the use of satellite data for fire detection and risk monitoring). She is the scientific director of the laboratory of ARGON CNR-IMAA. She has over twenty years of experience in the field of the study of space technology by active satellite (radar) and passive (optical and microwave) and airborne (hyperspectral and lidar). Her research deals with optical data and radar data processing, historical data with particular reference to satellite data for the extraction of useful information for risk estimation and mitigation and land degradation. She is the LPI of SERV_FORFIRE project, funded under the ERA4CS Joint Call on Researching and Advancing Climate Services Development by Institutional integration. She has authored or co-authored more than 300 peer-reviewed work. She has been and currently is scientific coordinator of several research projects at national and international level, funded by the EU, by ASI, CNR, ESA, the DPC. She has been co-investigator in EU projects in the FP6 and FP7, and currently is PI for IMAA of BEYOND: "Building a Centre of Excellence for Earth Observation based monitoring of Natural Disasters in South-Eastern Europe" (Project GA number: 316210), which is funded under the FP7 REGPOT 2012-2013 call.

LUCAS Vicky - Institute for Environmental Analytics, University of Reading

Training Development Manager at the Institute For Environmental Analytics, Learning design, development and delivery. Originally a physicist, air quality scientist and weather forecaster, spending several years as an operational meteorologist in the UK, NZ and Australia. Extensive interaction with a range of customers, including aviation, marine and agriculture, along with regular presentations and live interviews with the media. Training experience began as a meteorological instructor, and later teaching English as a foreign language. Currently developing and delivering a wide range of online and classroom learning activities, in topics ranging from environmental big data to innovation to data management. By drawing on personal professional experiences in meteorological research, working in the commercial energy sector and developing environmental regulation policies for air quality, training design and delivery topics include communicating with a range of end users.



MUKHIGULISHVILI Giorgi - World Experience for Georgia

Giorgi Mukhigulishvili has been working as a lead researcher in energy and climate change studies at WEG since 2010. His research area focus on Energy policy and strategy analysis, energy system modeling, planning, sustainability studies, economic and financial analysis of energy efficiency (EE) and renewable energy projects, analysis of Georgian and EU energy legislation. Giorgi is a certified review expert of greenhouse gas inventories of Parties included in Annex I to the United Nations Framework Convention on Climate Change. He is also a founder of the Association of Young Professionals in Energy, Georgia. Giorgi earned his first Master's degree in economics and energy economics from International School of Economics at TSU (ISET) in 2011, where he focused on economic and financial analyses of renewable energy and EE technologies feasible in Georgia. Giorgi earned his second master degree in International Relations from Ilia University in 2012, where he mainly concentrated on Energy Security and EU energy policy issues. In 2008, Giorgi earned his Bachelor degree in Business Administration from Tbilisi State University.

PASQUI Massimiliano - Istituto di Biometeorologia, Consiglio Nazionale delle Ricerche (IBIMET- CNR)

Massimiliano Pasqui is a climate scientist; he graduated in physics and obtained a PhD in Physical Modeling for Environmental Protection. His main interests are the numerical modeling in support of weather forecasts, climate data analysis, seasonal forecast predictability and climate change impacts. He participates in a number of national and international projects in these fields. He is author of numerous scientific papers on international journals/books on atmospheric science and climate change mechanisms and impacts in the Mediterranean basin and Africa. In the last decade he has been engaged as a contract professor in meteorology, numerical modeling and climatology courses at several Italian universities, as well as in post-lauream master classes organized by national and international research organizations.

SAN MIGUEL Jesus, Joint Research Centre - European Forest Fire Information System (JRC EFFIS)

Leader on the development of the European Forest Fire Information System (EFFIS) and the Global Wildfire Information System (GWIS), Dr. Jesus San Miguel-Ayanz, is a Senior researcher at the Directorate for Space, Security and Migration of the EC Joint Research Centre. Up until 2017, Dr. San-Miguel-Ayanz led the development of other EU information systems such as the Forest Information System for Europe (FISE) and the European Forest Data Center (EFDAC), supporting EU Regulation on forest information and monitoring. Education: PhD (1993) and MSc (1989) on Remote Sensing and GIS by University of California-Berkeley (93), Forest Engineering Degree (87) by Polytechnic Univ. of Madrid. Professional experience: (95-97) Associate Professor of Forest Inventory, Forest Mensuration and Remote Sensing. (94-95) Assistant Professor same topics, University of Cordoba. Research: Fulbright scholar at the Univ. California-Berkeley (1989), research fellow at the University of California-Berkeley (89-93), European Space and Technology Centre (ESTEC) of the European Space Agency (93-94), and Joint Research Centre (94-96).



SCOCCIMARRO Enrico, Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Enrico Scoccimarro Enrico Scoccimarro is Scientist at the Istituto Nazionale di Geofisica e Vulcanologia (INGV) and he is part of the “Climate Simulations and Prediction” (CSP) Division of the Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC). He has 15 years of experience in climate modelling and simulations. During this period, he has contributed to the development of several general circulation models (e.g., INGV-SXG, CMCC-Med, CMCC-CM CMCC-CM2) and has performed a number of climate scenario simulations and projections (CMIP3, CMIP5). He has been partner in several international projects, such as the project FIRB-GRID.it, PRISM, ENSEMBLES, CIRCE, FUME and NextData. His main research interest is on extreme events such as Tropical Cyclones with particular focus on their interaction with the Climate System. He has been member of the TCMIP (Tropical Cyclone Model Intercomparison Project) and member of the US-CLIVAR Hurricane Working Group since 2011. Since 2014, he is teacher of the “General Circulation Models” course for the “Science and Management of the Climate Change” Doctorate Programme of the Cà Foscari University of Venice. He is author of more than 35 peer-reviewed publications.

STEVENS Sally - Institute for Environmental Analytics, University of Reading

Communications & Marketing Manager at The Institute For Environmental Analytics, Science & Media Communications, Trainer. A widely experienced media, marketing and communications professional and a former national newspaper journalist (UK) now working in climate science and data analytics, translating science and emerging technologies into accessible language for a wide range of audiences.

As a media trainer I have delivered science communications courses to European and global climate scientists and early career researchers, giving a valuable insight into the context and practicalities of working with non-specialist journalists and newsroom processes. I write compelling, accessible case studies for the research and charitable sectors, as well as producing online content and press and social media campaigns.

STREET Roger - Environmental Change Institute, University of Oxford

Roger joined the University of Oxford in 2006 after working for over 30 years within the Canadian federal government much of which focused on climate, impacts and adaptation. He is a Research Fellow within the Environmental Change Institute, University of Oxford where he provides strategic and technical advice on climate risk, adaptation and resilience assessments and planning. This builds on his experience in leading and supporting national assessments in Canada, the US and the UK, and developing assessment processes internationally. Roger works within the UK and internationally on develop and presenting knowledge and evidence to inform assessments, planning and implementation in the context of adaptation and resilience. This has included being the rapporteur within the Expert Group brought together by the European Commission to establish the European research and innovation Roadmap on Climate Services. Internationally this has also included working in Ireland (as a member of the Adaptation Committee), China and Brazil, and with colleagues within the European Environment Agency. The foci of this work are on informing and improving understanding of



adaptation assessment processes, supporting adaptation decision-making and enhancing engagement and knowledge exchange to inform decisions and research.

TERRADELLAS Enric - Agencia Estatal de Meteorología (AEMET)

Terradellas Enric is a meteorologist with the State Meteorological Agency of Spain (AEMET) since 1980. He has participated in a number of national and international projects in the fields of climatology, remote sensing, numerical weather prediction, micrometeorology and atmospheric composition. Since 2015 he is the chair of the Steering Committee of the World Meteorological Organization's Sand and Dust Storm – Warning Advisory and Assessment System (SDS-WAS). He leads the work package on user involvement and dissemination of the ERA4CS Dust Storms Assessment for the development of user-oriented Climate services in Northern Africa, the Middle East and Europe (DustClim) project.

VAN OLDENBORGH Geert Jan - Royal Netherlands Meteorological Institute, Royal Netherlands Meteorological Institute

Senior researcher at the Royal Netherlands Meteorological Institute (KNMI). He has worked on El Niño dynamics, seasonal forecasting and verification, decadal predictions, regional climate change and attribution of extreme weather and climate events. He is also well-known for his climate analysis web site KNMI Climate Explorer (climexp.knmi.nl), which has a large collection of climate data (observations, analyses, reanalyses and model output) and the possibility to do statistical analyses, such as trend analyses, forecast verification and extreme value analysis for attribution.

WEST Jennifer Joy – CICERO Center for International Climate Research

West is a senior social scientist at CICERO specialising in international environment and development studies, with 15 years of interdisciplinary research experience working at the intersection between climate change impacts, vulnerability and adaptation, agricultural development, and human dimensions of global environmental change in Norway and internationally.