


## PERSONAL INFORMATION

Valentina Mereu

 +39 079229377 [valentina.mereu@cmcc.it](mailto:valentina.mereu@cmcc.it) Skype: m.vale.

Sex FEMALE Date of birth 09/12/1979 Nationality ITALIAN

## ACTUAL POSITION

Scientist at the CMCC (Euro Mediterranean Centre on Climate Change) Foundation

## WORK EXPERIENCE

December 2015 - present

**Scientist**

Euro Mediterranean Centre on Climate Change (CMCC) Foundation

- Modelling and analysing agricultural systems under present and future climate conditions and evaluation of adaptation and mitigation strategies. SEICA-NENA project; Study on Adaptation Modelling (SAM-PS) project; Climate Risk on agriculture - Strategic project; TERRAS project; MEDSCOPE project.

**Research activity.**

- Scientific coordinator for CMCC in the Consultancy for the Italian Ministry of *Environment and Protection of Land and Sea* in the formulation and implementation of the Italian National Adaptation Plan to Climate Change (PNACC).

**Scientific and technical consultant.**

- Scientific coordinator and consultant for CMCC in the framework of ADAPT (Assistere l'aDAttamento ai cambiamenti climatici dei sistemi urbani dello sPazio Transfrontaliero) project for ANCI Toscana and the municipalities of Alghero and Sassari.

**Scientific and technical consultant.**

- Scientific coordinator for CMCC in the Consultancy for the University of Sassari in the formulation of the Regional Adaptation Strategy to Climate Change (SRAC) for Sardinia Region.

**Scientific and technical consultant.**

- Thematic expert for the European Climate Adaptation Platform (Climate-ADAPT) for the Agriculture sector and author of the Book *Climate Change impacts on Agriculture in Europe*.

**Scientific and technical consultant.**

March 2015 - December 2015

**Junior scientist in the framework of GEMINA Project (MIUR/MATTM n. 232/2011)**

Euro Mediterranean Centre on Climate Change (CMCC)

- Research activity focused on the analysis of climate change impacts, adaptation and mitigation strategies on Mediterranean crops.

**Research activity.**

July 2014 - July 2015

**Post Doc Researcher (1 year of fellowship)**

Department of Science for Nature and Environmental Resources (DipNET), University of Sassari (Italy).

- Research activity focused on the analysis of climate change impacts, adaptation and mitigation strategies on grapevine cultivation in Italy (CARBOTREES project)

**Research activity.**

March 2012 - December 2015

**Thematic expert for the European *Climate Adaptation Platform***

Euro Mediterranean Centre on Climate Change (CMCC)

- Thematic expert on Agriculture and Forestry sector.

**Scientific consultant.**

- May 2013 - January 2014  
March 2014 – September 2014
- Junior scientist in the framework of Climafrica project (EU-FP7)**  
Euro Mediterranean Centre on Climate Change (CMCC)
- Research activity focused on the analysis of climate change impacts on land suitability, phenology and yield of the main food crops in Sub-Saharan Africa and evaluation of adaptation strategies for the agricultural sector, by applying crop simulation models.
- [Research activity.](#)
- May 2013 – March 2014
- Junior scientist in the framework of ORIENTGATE project (EU & South East Europe Transnational Cooperation Programme)**  
Euro Mediterranean Centre on Climate Change (CMCC)
- Research activity focused on the analysis of climate change impacts on the agricultural sector of the pilot study in Romania, part of a structured network for the integration of climate-related knowledge in policy and planning.
- [Research activity.](#)
- July 2012 - June 2014
- Post Doc Researcher (2 years of fellowship)**  
Department of Science for Nature and Environmental Resources (DipNET), University of Sassari (Italy).
- Research activity focused on the analysis of climate change impacts, adaptation and mitigation strategies on the agricultural sector.
- [Research activity.](#)
- April 2012 - March 2013
- Tutor for the development of Sustainable Energy Action Plan (SEAP), in the framework of *Smart city* project**  
Technological cluster, renewable energies - Sardegna Ricerche (Italy).
- Consultant for local municipalities for the development of the Sustainable Energy Action Plan (SEAP) in the framework of Sardegna CO2.0 project - Smart city- Comuni in classe A.
- [Technical /scientific consultant.](#)
- March 2012 - December 2012
- Junior scientist in the framework of GEMINA Project (MIUR/MATTM n. 232/2011)**  
Euro Mediterranean Centre for Climate Change (CMCC)
- Research activity focused on the analysis of climate change impacts on Mediterranean crops and evaluation of adaptation and mitigation strategies.
- [Research activity.](#)
- December 2011
- Consultant in the framework of the project *Climate Risk Analysis in Nigeria* (World Bank funded project)**  
Euro Mediterranean Centre for Climate Change (CMCC)
- Research activity focused on the analysis of climate change impacts on Nigerian agricultural sector and analysis of adaptation strategies.
- [Research activity.](#)
- June 2010 - May 2012
- Post Doc Researcher (2 years of fellowship)**  
Department of Economics and Woody Plant Ecosystem (DESA), University of Sassari (Italy).
- Research activity focused on the analysis of climate change impacts on Mediterranean crops, by using crop simulation models, high-resolution climate data and integrated methodologies for land evaluation.
- [Research activity.](#)

Febbraio 2007 – Ottobre 2008 **Scientific researcher for the International cooperation project CLIMED – “Operational tools to assess climatic risk of Mediterranean agricultural areas”.**  
CNR – IBIMET, Istituto di Biometeorologia, di Sassari e Dipartimento di Economia e Sistemi Arborei (DESA), Università di Sassari.

- Research activity focused on the application of methodologies of land capability to evaluate the impacts of climate change on the land suitability for agriculture in Morocco and specifically to the cultivation of durum wheat in Morocco.

[Research activity.](#)

February 2008 **Teacher of Biology**  
Scientific High school G. Spano, Sassari (Italy).

- Teacher of Biology within the course for Land and Environment monitoring and management, Educational Project ITFS (Istruzione e Formazione Tecnico Superiore) – funded by Ministry of Education.

[Teaching.](#)

February 2005 - April 2005 **Tutor for undergraduate students**  
University of Sassari (Italy).

- Teaching support activities

[Tutor.](#)

## EDUCATION AND TRAINING

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January 2007 – February 2010 **PhD on Agrometeorology and Ecophysiology of Agricultural and Forest Ecosystems (PhD thesis discussed on 18/02/2010)**  
Department of Economics and Woody Plant Ecosystem, University of Sassari (Italy).

- Agrometeorology and ecophysiology, climate change impacts assessment and analysis of adaptation strategies. Doctoral thesis: "Climate Change Impact on Durum Wheat in Sardinia".

14-18 September 2009 **Summer School on Climate Change and Agriculture**  
Department of Economics and Woody Plant Ecosystem, University of Sassari (Italy).

- Analysis of climate change impacts on agricultural sector and adaptation and mitigation strategies evaluation. Potential synergies and economic evaluation. Models and tools to evaluate the climate change impacts on agriculture. Focus on crop simulation models, land evaluation methodologies and downscaling techniques.

3-6 February 2009 **Winter School on System Analysis and Integrated Modelling in Climate Change Research**  
Ca' Foscari University – Venice (Italy).

- A set of topics and methods commonly used for the analysis and modelling of several phenomena related to global change, such as land use and land cover changes.

October 1998 – July 2006 **Degree in Agricultural Science and Technology with High Distinction (110/110), 20/07/2006.**  
Faculty of Agriculture – University of Sassari (Italy)

- Agronomy, livestock, economics, engineering, technology.

August 2009 **Visitor scholar**

Department of Agrosystems and Bioclimatology of Mendel University of Agriculture and Forestry – Brno, Czech Republic, under the supervision of Prof. Zdenek Zalud and under the supervision of Dr. Martin Dubrovsky, Senior Researcher of Institute of Atmospheric Physics – Academy of Science - Prague, Czech Republic (local unit in Hradec Kralove).

- Crop modelling, weather generators, methodologies for climate change impacts analysis.

**PERSONAL SKILLS**

Mother tongue

Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	C1 ADVANCED level, certified by the University of Sassari, July 2013. B2 FIRST CERTIFICATE IN ENGLISH, released by University of Cambridge, ESOL Examinations, June 2011.				
French	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through work and personal activities, which allowed me to make experience in working in team and in multicultural groups.

Organisational / managerial skills

Experience and expertise in several fields, gained during the participation at several national and international research and consultancy projects and during the supervision of degree and PhD students.

Good ability in coordinating working groups and organizing work activities, by respecting goals and deadlines.

Technical skills and competences

Good experience on:

- tools for laboratory analysis
- databases management
- statistical analysis.

Computer skills

Good knowledge of

- Microsoft Windows XP, Vista and Windows 8
- Microsoft Office (Word, Excel, Power Point, Access)
- GIS softwares (ARCVIEW 3.3, ARCMAP 9.3)
- Crop simulation models (especially DSSAT 4.6, STICS) and weather generators.

Driving licence

B

**ADDITIONAL INFORMATION**

## Publications

Mereu, V.; Gallo, A.; Spano, D. Optimizing Genetic Parameters of CSM-CERES Wheat and CSM-CERES Maize for Durum Wheat, Common Wheat, and Maize in Italy. *Agronomy* 2019, 9, 665.

Lead author of the Report "Climate change adaptation in the agriculture sector in Europe", EEA Report No 04/2019, ISBN 978-92-9480-072-5; ISSN 1977-8449; doi:10.2800/537176. Available at: <https://www.eea.europa.eu/publications/cc-adaptation-agriculture>.

Jha, P.K., Athanasiadis, P., Gualdi, S., Trabucco, A., Mereu V., Shelia, V., Hoogenboom, G., 2018. Using daily data from seasonal forecasts in dynamic crop models for yield prediction: A case study for rice in Nepal's Terai. *Agricultural and Forest Meteorology* 265 (2019) 349–358. <https://doi.org/10.1016/j.agrformet.2018.11.029>

Jha, P.K., Athanasiadis, P., Gualdi, S., Trabucco, A., Mereu V., Shelia, V., Hoogenboom, G., 2018. Evaluating the applicability of using daily forecasts from seasonal prediction systems (SPSs) for agriculture: a case study of Nepal's Terai with the NCEP CFSv2. *Theor Appl Climatol* (2018). <https://doi.org/10.1007/s00704-018-2433-5>.

Mereu V., Santini M., Cervigni R., Augeard B., Bosello F., Scoccimarro E., Spano D., and Valentini R., 2018. Robust Decision Making for a Climate-Resilient Development of the Agricultural Sector in Nigeria. In: Lipper L., McCarthy N., Zilberman D., Asfaw S., Branca G. (eds) *Climate Smart Agriculture. Natural Resource Management and Policy*, vol 52. Springer, Cham.

Bigano A., Gaudio D., Galluccio G., Mereu V., 2017. Caldo, siccità, eventi estremi: le minacce al sistema elettrico, in "Equilibri, Rivista per lo sviluppo sostenibile" 2/2017, pp. 337-351, doi: 10.1406/88220.

Guido V., Mereu V., Trabucco A., Spano D., 2016. Impact Of Climate Change On Grapevine: Bioclimatic-Land Suitability Maps As Forecast Tools. SISC Conference, 19-20 October 2016, Cagliari, Italia. ISBN: 978-88-97666-09-7

Gallo A., Mereu V., and Spano D. Comparison of two approaches to optimize the genetic coefficients of CSM-CERES wheat crop model. SISC Conference, 19-20 October 2016, Cagliari, Italia. ISBN: 978-88-97666-09-7

Mereu V., Carboni G., Gallo A., Spano D., 2015. IMPACT OF CLIMATE CHANGE ON STAPLE FOOD CROP PRODUCTION IN NIGERIA. *Climatic Change* (2015) 132:321–3362015. DOI: 10.1007/s10584-015-1428-9.

Carboni G., Mereu V., Mulè, Dubrovský M. and Spano D., 2015. Conservation Agriculture As A Smart Strategy To Cope With Climate Change In The Mediterranean Basin. Rome 2015 – Science Symposium on Climate. ISBN: 978-88-97666-07-3.

Gallo A., Mereu V., Trabucco A., Spano D., 2015. CLIMATE CHANGE IMPACTS ON WHEAT AND MAIZE IN EURO-MEDITERRANEAN AREA. Rome 2015 – Science Symposium on Climate. ISBN: 978-88-97666-07-3.

Mereu V., Gallo A., Trabucco A., Montesarchio M., Mercogliano P., Spano D., 2015. EFFECTS OF CLIMATE DATA AT DIFFERENT SPATIAL SCALES ON CROP MODELING ANALYSIS IN REGIONAL CLIMATE IMPACT STUDIES Rome 2015 – Science Symposium on Climate. ISBN: 978-88-97666-07-3.

Guido V., Mereu V., and Spano D., 2015. A MODELLING APPROACH TO ANALYZE THE OCCURRENCE OF GRAPEVINE PHENOLOGICAL STAGES UNDER CLIMATE CHANGE SCENARIOS. Rome 2015 – Science Symposium on Climate. ISBN: 978-88-97666-07-3.

Mereu V., Gallo A., Trabucco A., Montesarchio M., Mercogliano P., Spano D., 2015. EFFECTS OF CLIMATE DATA AT DIFFERENT SPATIAL SCALES ON CROP MODELING ANALYSIS IN REGIONAL CLIMATE IMPACT STUDIES. AGU Fall Meeting 2015. San Francisco, California (poster).

Co-supervisor of the PhD thesis of Dr. Viviana Guido: "IMPACT OF CLIMATE CHANGE ON VITIS VINIFERA L. OVER MEDITERRANEAN AREA". Supervisor: Prof. Donatella Spano. Università di Sassari, AA 2015-2016.

Co-supervisor of the PhD thesis of Dr. Andrea Gallo: "Assessment of the Climate Change Impact and Adaptation Strategies on Italian Cereal Production using High Resolution Climate Data". Supervisor: Prof. Donatella Spano. Università di Sassari, AA 2014-2015.

M. Santini · S. Torresan · A. Trabucco · D. Balzarolo · A. Bonaduce · G. Coppini · A. Critto · V. Dell'Aquila · M. De Salvo · E. Furlan · [...] · V. Mereu · M. Montesarchio · J. Mysiak · A. Nuzzo · J. Rizzi · P. Ronco · S. Santato · D. Spano · A. Sperotto · F. Zennaro · A. L. Zollo, 2014. Technical Report: Pilot study 3 Orientgate Report: Adaptation in water and coastal areas in Puglia, Italy. Available at: [https://www.researchgate.net/publication/286934499\\_Pilot\\_study\\_3\\_Orientgate\\_Report\\_Adaptation\\_in\\_water\\_and\\_coastal\\_areas](https://www.researchgate.net/publication/286934499_Pilot_study_3_Orientgate_Report_Adaptation_in_water_and_coastal_areas)

\_in\_Puglia\_Italy.

Mereu V., Antonio T., Gallo A., Spano D., Complementary analysis of the book: Adaptation measures in Romanian agriculture. SEE Project-OrientGate: a structured network for integration of climate knowledge into policy and territorial planning. Bucharest 2014. pp. 67-70. ISBN 978-973-0-17760-2.

Partecipazione in the working group on Agricoltura e produzione alimentare, in: Castellari S., Venturini S., Ballarin Denti A., Bigano A., Bindi M., Bosello F., Carrera L., Chiriaco M.V., Danovaro R., Desiato F., Filpa A., Gatto M., Gaudioso D., Giovanardi O., Giupponi C., Gualdi S., Guzzetti F., Lapi M., Luise A., Marino G., Mysiak J., Montanari A., Ricchiuti A., Rudari R., Sabbioni C., Sciortino M., Sinisi L., Valentini R., Viaroli P., Vurro M., Zavatarelli M. (a cura di.) (2014). Rapporto sullo stato delle conoscenze scientifiche su impatti, vulnerabilità ed adattamento ai cambiamenti climatici in Italia. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Roma. ISBN 9788887728095.

Co-supervisor of the degree thesis of Dr. Dr. Maria Nives Quai: "Fabbisogni irrigui delle colture in Italia: stato attuale e proiezioni". Supervisor: Prof. Donatella Spano. Università di Sassari, AA 2013-2014.

Gallo A., Mereu V., Trabucco A., Spano D., Irrigazione del frumento duro per aumentarne la resa in condizioni di cambiamento climatico. p.75 atti del XII Convegno AISSA "Produrre di più e meglio in agricoltura, selvicoltura e agroalimentare: innovazioni pronte all'uso", 6-7 November 2014, Sassari, Italy (poster).

Guido V., Mereu V., Spano D., Vitigni internazionali: cambiamenti climatici e prospettive di coltivazione. p.78 atti del XII Convegno AISSA "Produrre di più e meglio in agricoltura, selvicoltura e agroalimentare: innovazioni pronte all'uso", 6-7 November 2014, Sassari, Italy (poster).

Mereu V., Spano D., Gallo A., Carboni G. Climate change impacts and adaptation strategies evaluation on staple food crops in different agro-climatic zones. FACCE MACSUR Mid-term Scientific Conference, 1-4 April 2014, Sassari (poster).

Gallo A., Mereu V., Trabucco A., Spano D. Projected climate change impact on wheat and maize in Italy, FACCE MACSUR Mid-term Scientific Conference, 1-4 April 2014, Sassari (poster).

M. Santini, V. Mereu, A. Trabucco, A. Gallo, E. Scoccimarro, E. Bucchignani, M. Montesarchio, D. Spano, R. Valentini. Toward Climate-Resilient Development: the experience of Nigeria, 2013. Urban Impact of Climate Change in Africa. Planning with Scant Information, Seconda Conferenza Internazionale, 13 Novembre 2013, Torino.

Mereu V., A. Gallo, G. Carboni, Cervigni R., D. Spano. Projected climate change impacts on staple food crops in Nigeria, 2013. Proceedings of SISC first annual conference: Climate change and its implications on ecosystem and society, Lecce, 23-24/09/2013. pp. 637-649. ISBN: 978 – 88 – 97666 – 08 – 0.

Mereu V., Trabucco A., Daccache A. and Spano D, 2013. Assessing future land suitability of winter wheat crop. Proceedings of SISC first annual conference: Climate change and its implications on ecosystem and society, Lecce, 23-24/09/2013. pp. 773-790. ISBN: 978 – 88 – 97666 – 08 – 0.

Mereu V., A. Gallo, G. Carboni, D. Spano. Impact of climate change and adaptation strategies on crop production in Nigeria. Geophysical Research Abstracts. Vol. 14, EGU2012-13094, 2012- EGU General Assembly 2012.

D. Spano, N. Mancosu, V. Mereu, S. Mereu, M. Orang, S. Sarreshteh, and R.L. Snyder. Assessment of agricultural water demand using SIMETAW. Geophysical Research Abstracts. Vol. 14, EGU2012-3406, 2012- EGU General Assembly 2012.

M. Pasqui, R. Tomozeiu, E. Bucchignani, S. Gualdi, P. Mercogliano, P. Schiano, E. Scoccimarro, E. Di Giuseppe, A. Libertà, S. Esposito, G. Dal Monte, R. Alilla, C. Epifani, L. Botarelli, P.P. Roggero, M. Acutis, G. Seddaiu, G. De Sanctis, V. Marletto, L. Perini, S. Pellegrini, P. Servadio, V. Mereu, M. Santini, D. Spano, R. Valentini, G. Pirlo, G. Della Casa, A. Marocco, V. Tabaglio, F. Rizza, F. Masoero, A. Prandini, N. Lacetera, M. Segnalini, A. Vitali, A. Nardone, L. Manici, S. Bregaglio, M. Menenti, F. De Lorenzi, A. Bonfante, G. Dono, S. Severini, R. Zucaro, G. Rossi, B. Gozini, F. Lupia, 2011. Scenari di cambiamento climatico, impatti sull'agricoltura e adattamento. In: Sfide ed opportunità dello sviluppo rurale per la mitigazione e l'adattamento ai cambiamenti climatici. Libro Bianco MIPAAF-September 2011.

Mereu V., A. Gallo, G. Carboni, D. Spano, 2011. Impact of climate on crop production in Nigeria. AGU Fall Meeting 2011. San Francisco, California, 5-9 Dicembre 2011.

Mancosu N., Mereu V., Mereu S., Snyder L.R., Spano D., 2011. Irrigation management strategies: a way to improve water productivity. AGU Fall Meeting 2011. San Francisco, California, 5-9 Dicembre 2011.

Mereu V., Cesaraccio C., Dubrovsky M., Spano D., Carboni G., Duce P., 2010. "Impacts of Climate Change on Durum Wheat Production in Sardinia (Italy)". Geophysical Research Abstracts. Vol. 13, EGU2011-9242, 2011- EGU General Assembly 2011.

Mereu V., Cesaraccio C., Dubrovsky M., Spano D., Carboni G., Duce P., 2010. "Climate change impacts on durum wheat in Sardinia". AMS Conference on Agricultural and Forest Meteorology, Keystone, Colorado, USA, August 2–6, 2010.

Mulas M., Mereu V., Spano D., Iocola I., 2009. 1-2 Jan/Mar 2009. Impatti, strategie di adattamento e di mitigazione in agricoltura. Volontari e Terzo Mondo, ed. Focsiv Roma, pp. 27 – 33.

Mereu V., Iocola I., Spano D., Motroni A., Balaghi R., Duce P. Analisi di Land Suitability per la valutazione dell'impatto delle variazioni climatiche sulla coltivazione del frumento nella provincia di Settat, Marocco. Anno 14, n.2 June 2009, 44-45. ISSN: 1824-8705.

Cesaraccio C., Duce P., Spano D., Mereu V., Motroni A., Carboni G., Dettori M., Benaouda H., Dahan R., El Hani S., Nsarellah N. Applicazione del modello Ceres\_Wheat per la valutazione degli impatti dei cambiamenti climatici sulla fenologia e sulla resa del frumento duro in Marocco. Anno 14, n.2 June 2009, 120-121. ISSN: 1824-8705.

Mereu V., Carboni G., 2009. Methodology to assess climate change impact, adaptation and mitigation strategies on durum wheat production in Sardinia. Summer School on Climate Change and Agriculture, 14-18 September 2009, Alghero (SS).

Dettori, G., Muresu P., Mereu V., 2009. Land Capability for Agriculture: a methodology for climate change impact evaluation. Summer School on Climate Change and Agriculture, 14-18 September 2009, Alghero (SS).

Mereu V., Iocola I., Spano D., Murgia V., Duce P., Cesaraccio C., Tubiello F. N., Fischer G., 2008. Land suitability and potential yield variations of wheat and olive crops determined by climate change in Italy. Italian Journal of Agronomy, Vol. 3, No. 3 supplement, 2008, pp. 797 - 798. ISSN: 1125-4718.

Cesaraccio C., Dettori M., Duce P., Spano D., Motroni A., Mereu V., 2008. Using long-term data and crop modelling to assess climate change impacts on durum wheat production in the Mediterranean. Italian Journal of Agronomy , Vol. 3, No. 3 supplement, 2008, pp. 733 - 734. ISSN: 1125-4718.

Co-supervisor of degree thesis of Dr. Vittorio Murgia, thesis title: "Valutazione degli impatti dei cambiamenti climatici su alcune colture di interesse del mediterraneo". Supervisor: Prof. Donatella Spano. University of Sassari, AA 2007-2008.

Mereu V., Iocola I., Spano D., Murgia V., Duce P., Cesaraccio C., Tubiello F. N., Fischer G., 2008. Climate Change Impact for Land Suitability and Potential Crop Yield in Italy. AGU FALL MEETING, San Francisco, California (USA), 15-19 December 2008.

Cesaraccio C., Dettori M., Duce P., Spano D., Motroni A., Mereu V., 2008. Impact of climate Change on Wheat Production: Adaptation Strategies and Crop Modeling for Future Crop yield Scenarios. International Symposium "From Seed to Pasta: the Durum Wheat Chain", Bologna, 30 June-3 July 2008.

Mulas M., Mereu V., Ligios G., Schirra M., 2008. Heat treatments effects on respiration and ethylene production rates and on ethanol and acetaldehyde accumulation in the juice of their release by 'Valentia Late' oranges during storage. Proceedings of the International Congress "Novel Approaches for the control of postharvest diseases and disorders", Bologna 3-5 Maggio 2007. pp.206-209, 2007.

M.Mulas, V.Mereu, M.Schirra, 2006. Produzione di etanolo ed acetaldeide in frutti di agrumi sottoposti a termoterapia. Proceedings del Workshop del Gruppo di Lavoro sul Post Raccolta della SOI: "Stato della ricerca italiana sul Post raccolta dei prodotti ortoflorofrutticoli": Volume 13, n. 5, pp. 38-42, 2006.

#### Presentations, Lectures, Webinars

Invited speaker at the workshop "Mutamenti climatici e adattamento del territorio", with the presentation: "L'adattamento ai mutamenti climatici: cosa significa e cosa si può già fare: sintesi delle soluzioni e panoramica dei principali fattori di rischio. L'adattamento in agricoltura. Il piano d'adattamento del Comune di Alghero" Olmedo, 10/10/2019.

Invited speaker at the workshop "CAMBIAMENTI CLIMATICI E SOLUZIONI VERDI, PRIMO EVENTO LOCALE DI STUDIO, CONFRONTO E ASCOLTO PER LA PROMOZIONE DI SOLUZIONI SOSTENIBILI NEL CENTRO STORICO DI SASSARI" with the presentation: "Che clima farà? Analisi climatica per il Comune di Sassari", 4/10/2019.

Webinar: "Iniziative e strumenti per l'adattamento ai cambiamenti climatici, focus sulla piattaforma Climate ADAPT" (available at: <https://www.youtube.com/watch?v=7V8EN76TRTo>), 23/05/2019.

Lecture: "Stato delle conoscenze su impatti, vulnerabilità e rischi" - Modulo formativo n. 2 Il quadro delle conoscenze su impatti, vulnerabilità e adattamento in Italia, per il Corso di formazione ambientale ISPRA in modalità e-learning "Impatti, vulnerabilità e adattamento ai cambiamenti climatici", 2019.

"Likelihood of changes and climate risk assessment for cereal crop production in Europe" presented at the "3rd Agriculture and Climate Change Conference", organized by Elsevier, held in Budapest on 23-27 March, 2019.

Invited speaker at the "Giomata di Studio SOI: "L'ACTINIDIA AL TEMPO DEL CAMBIAMENTO CLIMATICO", Latina, 19/03/2019.

Invited speaker at the round table "Le azioni di adattamento al cambiamento climatico nella progettazione europea: quali opportunità per il territorio?" of the workshop "Gestione del rischio e adattamento al cambiamento climatico: strumenti per un territorio resiliente", Genova, 6/3/2019.

Invited speaker at the round table of the workshop "IL CLIMA CAMBIA, BISOGNA AGIRE ORA!", for the presentation of the "Regional Adaptation Strategy to Climate Change" of Sardinia Region, Sassari 14/02/2019

Invited speaker at the workshop "Climate adaptation and lagoon contract: environmental problems can become a driving force for local development?" Alghero, 13/12/2018.

Invited speaker for the Urban Partnership for Adaptation (PUA) of Alghero municipality: "CHE TEMPO CHE FARÁ. PRESENTAZIONE DEL PROFILO CLIMATICO LOCALE DEL COMUNE DI ALGHERO", Alghero, 13/11/2018.

"Supporto ai governi territoriali per la pianificazione dell'adattamento", SISC Side event: Pianificare l'adattamento ai cambiamenti climatici: esempi di azioni multilivello, Venezia, 19/10/2018.

Lecture: "Vulnerabilità e rischi dei sistemi terrestri", SCUOLA di ECOLOGIA ed ECONOMIA, Parco Nazionale dell'Asinara - Area Marina Protetta, 5/10/2018.

Invited speaker in the Round table: "Confronto operative: aspetti critici e possibili soluzioni. Workshop: Adattamento ai Cambiamenti Climatici ed esperienze a livello locale: obiettivi, strategie e strumenti. Lecce, 3/10/2018.

"Percorso verso lo sviluppo di un piano di adattamento al cambiamento climatico: preparare il terreno per l'adattamento, analisi del contesto, rischi e vulnerabilità, definizione obiettivi ed azioni, governance e fondi di finanziamento", lecture for the empowerment sessions in Alghero (25/06/2018) and Pisa (29/06/2018), organized in the framework of ADAPT project.

Invited speaker for the Urban Partnership for Adaptation (PUA) of Alghero municipality: "Adattarsi ai cambiamenti climatici: sviluppo dei piani locali", 28/05/2018.

Invited speaker in the Round table: "Il ruolo dei governi locali nella creazione di territory resilienti" Dialogo con I cittadini su azioni e strumenti per contrastare I cambiamenti climatici. Cagliari, 18/05/2018.

"Il clima cambia, cambiamo anche noi?" Lecture for the "Università della Terza Età", 20/3/2018, University of Sassari.

"Applicazioni modellistiche per la simulazione dei sistemi agrari e degli stock di carbonio organico su sistemi arborei e forestali con scenari climatici ad elevata risoluzione spaziale", Scenari di cambiamento a lungo termine per il settore LULUCF, dati e modelli di reporting, ISPRA, Roma, 29/01/2018.

"Terminologia e concetti base su cambiamenti climatici e adattamento", Le politiche di adattamento ai cambiamenti climatici nell'amministrazione pubblica regionale, 28/11/2017, LIFE MASTER ADAPT project.

"Percorsi di adattamento ai cambiamenti climatici", Alghero in Europa, ADAPT Project, Alghero, 10/11/2017.

"Percorsi, strumenti e applicazioni per costruire l'adattamento ai cambiamenti climatici", Le infrastrutture verdi per la resilienza della città di Sassari CLIMATHON Sassari, 27/10/2017.

"Strategic Project: Climate Risk on Agriculture. Overview, current status and future plan", Marina d'Ugento, Lecce, 5/6/2017.

How will Climate Change Affect Agriculture in Sub-Saharan Africa? Impacts and Uncertainties. Durante il seminario "FATTORIE PER L'ARIDOCOLTURA: ACQUA, BIODIVERSITA' E PRODUZIONE", EXPO, Milano, 6 agosto, 2015.



Agriculture under climate change: scenarios, impacts and solutions for a smart agriculture. Durante il seminario "Smart Agriculture in a Climate Changing World", EXPO, Milano, 7 settembre, 2015.

Modelling agricultural systems at European scale by implementing a geo-spatial platform DSSAT-CSM based. Workshop JAMSTEC-CMCC, symposium on predictability and applicability of climate variations and change. Bologna, 16-18 March 2015.

Lecture: Impatto dei cambiamenti climatici su agricoltura e valutazione di Strategie di adattamento e mitigazione ai cambiamenti climatici su sistemi agricoli. 5 November 2014, Lecce, Italy. In the framework of the course: L'approccio interdisciplinare ai cambiamenti climatici, organized by the Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM). Progetto PON GAS Ambiente, FSE 2007-2013.

Lecture: Impatto dei cambiamenti climatici su agricoltura e valutazione di Strategie di adattamento e mitigazione ai cambiamenti climatici su sistemi agricoli. 20 November 2014, Lamezia Terme, Italy. In the framework of the course: L'approccio interdisciplinare ai cambiamenti climatici, organized by the Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM). Progetto PON GAS Ambiente, FSE 2007-2013.

Modelling agricultural systems at European scale by implementing a geo spatial platform DSSAT-CSM based. 10 June 2014 - Marina di Ugento, Lecce.

Assessment of climate change impacts on staple food crops in different agro-climatic zones - A focus on Sub-Saharan Africa. 31st Conference on Agricultural and Forest Meteorology, Portland, Oregon, 12 May 2014.

Projected climate change impacts and short term predictions on staple crops in Sub-Saharan Africa. AGU FALL MEETING, San Francisco, 13 December 2013.

Projected climate change impacts on staple food crops in Nigeria. SISC first annual conference: Climate change and its implications on ecosystem and society, Lecce, 24 September 2013.

Assessment of Climate Change Impacts on Land Suitability and Crop Production, 4 June 2013 - Marina di Ugento, Lecce.

Lecture: "Anthropic impact on ecosystems - Agriculture and climate change - Impacts, Adaptation and mitigation strategies". PhD School on Agrometeorology and Ecophysiology of Agricultural and Forestry Systems, Sassari (Italy). May 2013.

Climate change impacts on crops and adaptation strategies assessment: Sardinia and Nigeria case studies. Fall School on Modeling Climate Change Impacts on water and crops at different scales, 9 November 2012, Alghero (Italy).

Adaptation Analysis for the Agricultural Sector in Nigeria, 11-13 June 2012 - Marina di Ugento, Lecce (Italy).

Lecture: "Anthropic impact on ecosystems - Impacts, Adaptation and mitigation strategies". PhD School on Agrometeorology and Ecophysiology of Agricultural and Forestry Systems, Sassari (Italy). May 2012.

Climate change impacts on agriculture and fire, Wasserved first annual meeting, T hotel - February 3, 2011 Cagliari (Italy).

Operational tools to assess climate change impacts on agriculture in Mediterranean areas. CMCC Annual Meeting, 09 June 2010 - Marina di Ugento, Lecce (Italy).

Strumenti operativi per la valutazione del rischio climatico nelle aree agricole Mediterranee, Incontro Panel di Valutazione H, 7 maggio 2009, Firenze (Italy).

## Projects

SEICA-NENA. Study on the economic impact of climate change on agricultural labour and cost of adaptation in NENA (funded by FAO), 2019-2020.

SAM-PS, Study on Adaptation Modelling. Funded by DG CLIMA, 2019-2020.

SRAC, Regional Adaptation Strategy to Climate Change, consultancy for the University of Sassari in the framework of the development of the Adaptation Strategy for Sardinia Region, 2018.

TERRAS, Gestione conservativa dei suoli in alcune colture arboree ed erbacee tipiche/tradizionali della Sardegna, AGRIS Sardegna, 2018-2020.

PNACC, National Adaptation Plan to Climate Change (MATTM, Italian Ministry of the Environment and Protection of Land and Sea), 2016-2018.

ADAPT project (Assistere l'aDattamento ai cambiamenti climatici dei sistemi urbani dello sPazio Transfrontaliero), INTERREG Italia-Francia Marittimo 2014-2020.

LIFE MASTER ADAPT (MAInSTreaming Experiences at Regional and local level for adaptation to climate change (EU Life Program), 2016-2018.

CARBOTREES (Climate change mitigation strategies in tree crops and forestry in Italy, MIUR PRIN, 2013-2015). Coordinator: Prof. Riccardo Valentini, University of Tuscia, 2013-2015.

MEDSCOPE (MEDiterranean Services Chain based On climate PrEdictions), ERA4CS Joint Call on Researching and Advancing Climate Services Development, 2017-2020.

SECTEUR (Secteur engagement for the Copernicus Climate Change service: translating European User Requirements) project. 2016-2017

ETC-CCA (European Topic Centre on Climate Change impacts, vulnerability and Adaptation) project. Coordinator: Euro Mediterranean Centre on Climate Change (CMCC) 2012-2014, 2015-2018.

ORIENTGATE – A structured network for integration of climate knowledge into policy and territorial planning. EU & South East Europe Transnational Cooperation Programme, 2012-2014. Coordinator: Euro Mediterranean Centre on Climate Change (CMCC).

GEMINA - Project (MIUR/MATTM n. 232/2011), 2010-2015.

CLIMAFRICA – Climate change predictions in Sub-Saharan Africa: Impacts and Adaptations. EU-FP7 project. Coordinator: Euro Mediterranean Centre on Climate Change (CMCC). 2010-2014.

Climate risk analysis in Nigeria, project funded by World Bank. Coordinator: Euro Mediterranean Centre on Climate Change (CMCC). 2011-2012.

EU-FP7 project WASSERMed – Water Availability and Security in Southern Europe and the Mediterranean. Coordinator: Euro Mediterranean Centre on Climate Change (CMCC). 2010-2012.

CLIMED – Operational tools to assess climatic risk of Mediterranean agricultural areas. Coordinator: CNR – IBIMET, Biometeorology Institute, Sassari (Italy). 2007-2008.

Ministero dell'Economia e delle Finanze, MIUR, dell'Ambiente della Tutela del Territorio, MIPAF – Strategic Programme: Centro Euro Mediterraneo per i Cambiamenti Climatici (CMCC). Linea di Ricerca 4 VALUTAZIONE E DIAGNOSTICA DEGLI IMPATTI (Evaluation and diagnosis of the Climate Change Impacts), 2007 - 2009.

#### Awards

Best project award, at Climathon 2017 "Urban resilience and green infrastructures" for Sassari municipality. The winning project "The Green in Connection" aimed at addressing the challenge of adaptation to climate change, increasing social cohesion and public involvement, participation and engagement.

#### Conferences

Participation to:

"ECCA 2019 - 4th European Climate Change Adaptation conference | Working together to prepare for change", Lisbon, 28–31 May

"3rd Agriculture and Climate Change Conference", organized by Elsevier, held in Budapest on 23-27 March, 2019.

SISC, Sixth Annual Conference on "Recent trends in climate sciences, adaptation and mitigation" held in Venezia Mestre on 17-19 October 2018.

Life MASTER-ADAPT project: Strumenti per la governance e il mainstreaming dell'adattamento a livello locale. Sassari, 22 October 2018.

Life MASTER-ADAPT project: Adattamento ai Cambiamenti Climatici ed esperienze a livello locale: obiettivi, strategie e

strumenti. Lecce, 3/10/2018.

Life MASTER-ADAPT project: Strumenti per la governance e il mainstreaming dell'adattamento a livello locale. Alghero, 19 July 2018.

Annual Meeting of the Euro-Mediterranean centre on Climate Change. Marina d'Ugento (Lecce), 4-6 June 2018.

Life MASTER-ADAPT project: La costruzione di obiettivi per l'adattamento nei piani di settore. Cagliari, 10 April 2018.

SISC Annual Conference, Climate challenges and solutions under the 2°C target 19-20 October 2016, Cagliari, Italy. Chair of the session: CLIMATE SMART SOLUTIONS FOR AGRICULTURE AND FORESTRY: A WAY TO COPE WITH CLIMATE CHANGE

Rome 2015 – Science Symposium on Climate. 19-20 November 2015, Rome, Italy.

AGU FALL MEETING, San Francisco, 14-18 December 2015.

JAMSTEC-CMCC, Symposium on predictability and applicability of climate variations and change. Bologna, 16-18/3/2015.

ORIENTGATE Project Final conference Lecce (Italy) 2-3 December 2014.

XII Convegno AISSA "Produrre di più e meglio in agricoltura, selvicoltura e agroalimentare: innovazioni pronte all'uso", 6-7 November 2014, Sassari, Italy.

Annual Meeting of the Euro-Mediterranean centre on Climate Change. Marina d'Ugento (Lecce), 10-13 June 2014.

31st Conference on Agricultural and Forest Meteorology, Portland, Oregon, 12-15 May 2014.

FACCE MACSUR Mid-term Scientific Conference, 1-4 April 2014, Sassari.

CLIMAFRICA project. Advances in modelling, downscaling and socio-economic implications. Lund (Svezia), 23-24 January 2014.

AGU FALL MEETING, San Francisco, 9-13 December 2013.

SISC first annual conference: Climate change and its implications on ecosystem and society, Lecce, 24 September 2013.

Meeting of the Steering Committee and Scientific Committee of the ORIENTGATE project. 11-12 June 2013, Belgrade, Serbia.

Annual Meeting of the Euro-Mediterranean centre on Climate Change. Marina d'Ugento (Lecce), 3-6 June 2013.

CLIMAFRICA project meeting. Advances in modelling, downscaling and socio-economic implications. Bologna, 15-16 April 2013.

Fall School on Modelling Climate Change Impacts on water and crops at different scales, 9 November 2012, Alghero (Italy).

Kick-off meeting of the ORIENTGATE project, Szentendre, Ungheria, 17-18 September 2012.

Annual Meeting of the Euro-Mediterranean centre for Climate Change. Marina d'Ugento (Lecce), June 11-14, 2012.

Annual Meeting of the Euro-Mediterranean centre for Climate Change. Marina d'Ugento (Lecce), June 2010.

Annual Meeting of the Euro-Mediterranean centre for Climate Change. Marina d'Ugento (Lecce), June 10-12, 2009.

12th National Conference AIAM "Climate and Agriculture: adaptation and mitigation strategies", Sassari (Italy), 15-17/6/2009.

X Congress of the European Society for Agronomy. Bologna, 15-19 September 2008.

I Conference of PhD School on Scienze dei Sistemi Agrari e Forestali e delle Produzioni Alimentari, 2/7/2008, Sassari.

“Il CMCC: Attività, Risultati, Prospettive”, II Riunione generale – June, 11-12, 2008 Gallipoli (Italy).

“Downscaling methodologies”, February 12, 2008. FEEM-Milano (Italy).

“Scenari di emissioni”, February 11, 2008 FEEM-Milano (Italy).

“Il CMCC: Attività, Risultati, Prospettive”, December 3-4, 2007 - Facoltà di Agraria, Sassari (Italy).

Le variazioni climatiche e i processi di desertificazione, preliminary to National Conference Climate Change. June 21-22, 2007. Alghero (Italy).

VIII Giornate Scientifiche SOI. 8-11 maggio 2007, Sassari (Italy).

#### Scientific and Organizing Committees

Member of the Scientific Committee of the XV Conference “Aree Fragili”. Vento, aria, fumo. Reazioni sociali ai cambiamenti atmosferici in aree rurali fragili. Rovigo 20-21/03/2020.

Member of the Scientific and Organizing Committee of the SISC Annual Conference, Climate challenges and solutions under the 2°C target. 19-20 October, 2016, Cagliari (Italy).

November 5 - 9, 2012, Member of the Organizing and Scientific Committee of the Fall School “Modeling Climate Change Impacts on water and crops at different scales”, Alghero (Italy).

June 15 – 17, 2009, Member of the Organizing Committee of the 12th National Conference AIAM on Climate and Agriculture: adaptation and mitigation strategies, Sassari (Italy).

#### **DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE (art. 46 e 47 D.P.R. 445/2000)**

La sottoscritta Valentina Mereu, consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente curriculum vitae, redatto in formato europeo, corrispondono a verità:

Sassari 31/10/2019

