Dr. Juliane El Zohbi

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General research interests:

- user requirements for climate services products
- evaluation of climate services and products
- stakeholder dialogues
- transdisciplinary approaches
- climate services tailored for rural areas and agricultural sector
- nature-based solutions and ecosystem services
- robustness of climate model results at different spatial and temporal scales

Work/research experience:

since 07/2014 Scientific associate – Climate Service Center Germany (GERICS) in Hamburg (Germany)

ADAPTER
ADAPT tERrestrial systems , funded by the Förderlinie Wissenschaftstransfer from the Impulse and Networking Fund of the Helmholtz Association, **2019 – 2023**
» Through intensive dialogues with key partners from the agricultural sector, innovative simulation-based products are developed that support optimal adaptation to climate change

Netto-Null-2050
Cluster I as part of the Helmholtz Climate Initiative, **2019 - 2021**
» User engagement for an app development for the agricultural sector to enhance the storage of carbon in the soils

H2020 OPERANDUM
OPEn-air laboRAtories for Nature baseD solUtions to Manage hydro-meteo risks**, 2018-2022**
» Co-coordination of modelling for the evaluation of nature-based solutions under consideration of climate change

» Co-Coordination of the German 'open-air laboratory' for regional analysis of nature-based solutions

C3S GLORIOUS
Global users in the Copernicus Climate Change Service, C3S_422_Lot1_SMHI, **2017-2019**
» Development of a method for quality assurance of climate impact indicators together with users

C3S DECM
» Data Evaluation for Climate Models, C3S_51 Lot 4**, 2016-2018**
Recording and evaluation of user requirements with regard to climate model data

FP7 CLIPC
Constructing Europe's Climate Information Portal, **2013-2016**
» Development of a method to assess the robustness of climate impact indicators and their web presentation

11/2010 – 07/2014 Post-Doc – Laboratoire des Sciences du Climat et de l'Environnement (LSCE) in Gif-sur-Yvette (France)
DOFOCO (Do Forests Cool the Earth?, 2010 - 2015):
» Development of albedo scheme of ORCHIDEE to quantify the effects of the world's managed forests on the climate system

07/2010 – 10/2010 Post-Doc – Max Planck Institute for Meteorology (MPI-M) in Hamburg (Germany)
» Model development of snow albedo scheme in JSBACH

06/2007 – 06/2010 PhD student – Max Planck Institute for Meteorology (MPI-M) and International Max Planck doctoral program on Earth System Modelling (IMPRS-ESM) in Hamburg (Germany)
» Modelling of vegetation-climate interaction in mid-Holocene climate

Professional qualifications:

Language skills German (native speaker); English (fluent); French (good)

Participation in successful proposal writing:	2019: CS4eXtremes - BMBF 2018: ADAPTER - HGF 2017: GLORIOUS – Copernicus Climate Change Services 2016: MARCO - Horizon2020 2015: DECM - Copernicus Climate Change Services

Selected Publications:

Zahid, M., **El Zohbi, J**., Viktor, E., Rechid, D., Schuck-Zöller, S., Keup-Thiel, E. and Jacob, D.: , What does quality mean to climate data users/providers and how to enable them to evaluate the quality of climate model data and derived products?, in 'Handbook of Climate Services', Editors: Leal Filho, W. and Jacob, D. , Springer International Publishing, doi: 10.1007/978-3-030-36875-3, **2020**.

Teichmann, C., Bülow, K., **Otto, J.**, Pfeifer, S., Rechid, D., Sieck, K. and Jacob, D.: Avoiding extremes: Benefits of staying below +1.5 °C compared to +2.0 °C and +3.0 °C global warming, Atmosphere (Basel)., 9(4), 1–19, doi:10.3390/atmos9040115, 2018.

Luyssaert, S., Marie, G., Valade, A., Chen, Y.-Y, Njakou Djomo, S., Ryder, J., **Otto, J.,** Naudts, K., Lansø, A. S., Ghattas, J. and J. McGrath, M.: Trade-offs in using European forests to meet climate objectives. *Nature* **562,** 259–262 doi:10.1038/s41586-018-0577-1**, 2018**.

Otto, J., Brown, C., Buontempo, C., Doblas-Reyes, F., Jacob, D., Juckes, M., Keup-Thiel, E., Kurnik, B., Schulz, J., Taylor, A., Verhoelst, T. and Walton, P.: Uncertainty: Lessons learned for climate services, Bull. Am. Meteorol. Soc., BAMS-D-16-0173.1, doi:10.1175/BAMS-D-16-0173.1, **2016**.

Naudts, K., Chen, Y., McGrath, M. J., Ryder, J., Valade, A., **Otto, J.** and Luyssaert, S.: Europe's forest management did not mitigate climate warming, Science, 351(6273), 597–600, doi:10.1126/science.aad7270, **2016**.

Pfeifer, S., Bülow, K., Gobiet, A., Hänsler, A., Mudelsee, M., **Otto, J**., Rechid, D., Teichmann, C. and Jacob, D.: Robustness of Ensemble Climate Projections Analyzed with Climate Signal Maps: Seasonal and Extreme Precipitation for Germany, Atmosphere, 6(5), 677–698, doi:10.3390/atmos6050677, **2015**.

Otto, J., Berveiller, D., Bréon, F.-M., Delpierre, N., Geppert, G., Granier, A., Jans, W., Knohl, A., Kuusk, A., Longdoz, B., Moors, E., Mund, M., Pinty, B., Schelhaas, M.-J. and Luyssaert, S.: Forest summer albedo is sensitive to species and thinning: how should we account for this in Earth system models?, Biogeosciences, 11(8), 2411–2427, doi:10.5194/bg-11-2411-2014, **2014**.