

Dr. Juliane El Zohbi

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General research interests:

- climate services for agriculture
- support in efforts to adapt to climate change
- CO₂ removal and related net-zero topics
- participatory and transdisciplinary processes
- rural areas

Work/research experience:

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

[CDRSynTra](#) (2021-2024)

CDRSynTra is the accompanying and synthesis project of the joint projects in the [BMBF's "Carbon Dioxide Removal"](#) funding line,

- » qualitative study on how familiar local agricultural actors are with the concept of atmospheric carbon dioxide removal, what they want to know and in which formats they would like to receive missing information.
- » Focus region: Northern Germany
- »

[ADAPTER](#) (2019–2023)

ADAPT tERrestrial systems, funded by the Förderlinie Wissenschaftstransfer from the Impulse and Networking Fund of the Helmholtz Association

- » co-development and provision of innovative [simulation-based information](#) products for climate-resilient agriculture.
- » Focus region: Schleswig-Holstein

[Netto-Null-2050](#) (2019–2022)

Cluster I as part of the Helmholtz Climate Initiative,

- » Coordination, development and design of guiding material to support Germany on its way towards net-zero → [Netto-Null-2050 Wegweiser](#)

[H2020 OPERANDUM](#) (2018–2022)

OPEn-air laboRatories for Nature baseD solutions to Manage hydro-meteo risks

- » Co-coordination of modelling for the evaluation of nature-based solutions under consideration of climate change and the German 'open-air laboratory' for regional analysis of nature-based solutions

[C3S GLORIOUS](#) (2017–2019)

Global users in the Copernicus Climate Change Service, C3S_422_Lot1_SMHI,

- » Development of a method for quality assurance of climate impact indicators together with users

[C3S DECM](#) (2016–2018)

Data Evaluation for Climate Models, C3S_51 Lot 4

- » Recording and evaluation of user requirements with regard to climate model data

[FP7 CLIPC](#) (2013–2016)

Constructing Europe's Climate Information Portal

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

Professional qualifications:

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

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:

El Zohbi, J., Fehr, L., Eberenz, S., Otto, D., Rechid, D., Jeménez Martínez, M., Montero-de-Oliveira, F.-E., Gulde, F., Bartels, L., Witting, M., Matzner, N., Reinecke, S., Fischer, S., Strauss, V. (2024): Engaging Stakeholders in Your Carbon Dioxide Removal Research. <https://doi.org/10.5281/zenodo.10848490>

Köhnke F. Steuri B. **El Zohbi J.** Görl K. Borchers M. Förster J. Thrän D. Mengis N. Oshlies A. Jacob D. On the path to net-zero: Establishing a multi-level system to support the complex endeavor of reaching national carbon neutrality. 2023 Front. Clim.; 5, <https://doi.org/10.3389/FCLIM.2023.1056023>

Jacob, D., **El Zohbi, J.**, Köhnke, et al: Netto-Null-2050 Wegweiser – Strategische Handlungsempfehlungen und mögliche Wege für ein CO₂-neutrales Deutschland bis 2050, Version 1.0, 2023 Download: <https://netto-null.org/Projektergebnisse/Reports/order/index.php.de>

Steuri, B.; Viktor, E.; **El Zohbi, J.**; Jacob, D. Fashionable Climate Services: The Hats and Styles of User Engagement. *Bull Am Meteorol Soc* 2022, 103, E2341–E2353, doi:10.1175/bams-d-22-0009.1.

Preuschmann, S.; Blome, T.; Görl, K.; Köhnke, F.; Steuri, B.; **El Zohbi, J.**; Rechid, D.; Schultz, M.; Sun, J.; Jacob, D. How to Develop New Digital Knowledge Transfer Products for Communicating Strategies and New Ways towards a Carbon-Neutral Germany. *Advances in Science and Research* 2022, 19, 51–71, doi:10.5194/asr-19-51-2022.

Mengis, N.; Kalhori, A.; Simon, S.; Harpprecht, C.; Baetcke, L.; Prats-Salvado, E.; Schmidt-Hattenberger, C.; Stevenson, A.; Dold, C.; **El Zohbi, J.**; et al. Net-Zero CO₂ Germany—A Retrospect From the Year 2050 . *Earths Future* 2022, 10, 1–16, doi:10.1029/2021ef002324.

Zahid, M., **El Zohbi, J.**, Viktor, E., Rechid, D., Schuck-Zöllner, 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., Doblaz-Reyes, F., Jacob, D., Jukes, 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**.