











wiss Confederation

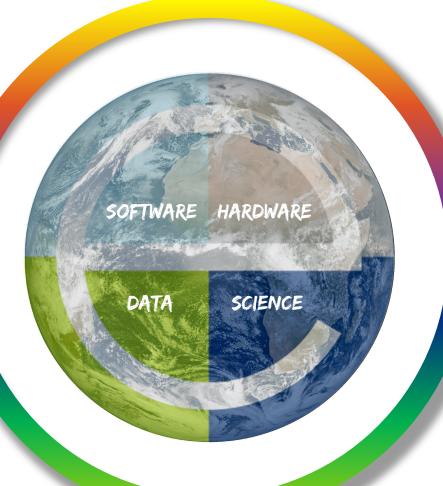
ederal Department of Home Affairs FDHA
ederal Office of Meteorology and Climatology MeteoSwiss

June 27, 2023 - PASC 2023





Dimensions of project coordination





Project planning

(Roadmaps, timelines, milestones, resources, scheduling, ...)



Communication

(Internal/external com., information flow, conflict management, ...)



Resource management

(Personnel, budget, equipment, data storage, compute hours, ...)



Team building

(Teamwork, team events, networking, further education, ...)



Monitoring and control

(Progress tracking, milestones, deliverables, deadlines, ...)



Risk management

(Identification and mitigations of risks, contingency plans, ...)



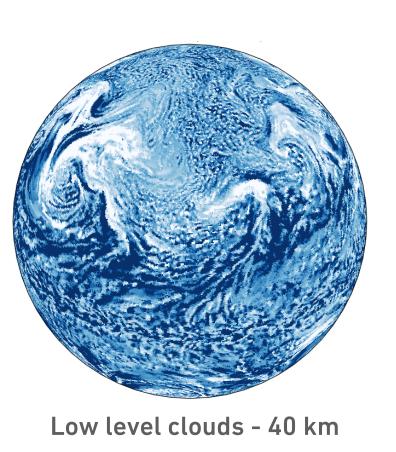
Documentation

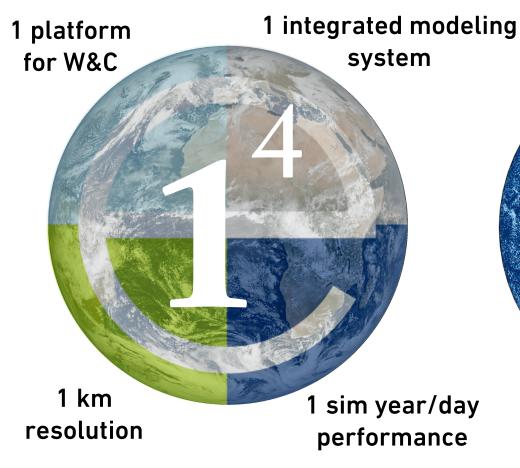
(Plans, reports, meeting minutes, publications, contracts, ...)



EXCLAIM

Extreme-scale computing and data platform for cloud-resolving weather and climate modeling









EXCLAIM

Extreme-scale computing and data platform for cloud-resolving weather and climate modeling



Software framework



Hardware infrastructure



Data workflow/data science



Climate simulations



User platform





Zürich, Jul 2021



Adelboden, CH, Dec 2022



NW Germany, Jul 2021



Greece, Aug 2021



Are we ready for coping with extremes in weather and climate ?!



Spain, Apr 2023



Florida, Sep 2022



Italy, May 2023



Marmolata, IT, Jul 2022





Learn more about EXCLAIM

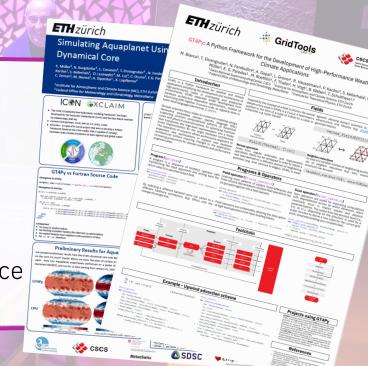
Today: 19:30 - 21:30

Christoph Müller et al:

Simulating Aquaplanet Using ICON with a GT4Py DSL Dynamical Core

Till Ehrengruber et al:

GT4Py: A Python Framework for the Development of High-Performance Weather and Climate Applications



Tomorrow: 12:30 - 13:00

Anurag Dipankar:

Global Storm Resolving Simulations in a Python Framework - Progress and Challenges



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Skills



Cultural background





Career level



Personality





Work experience







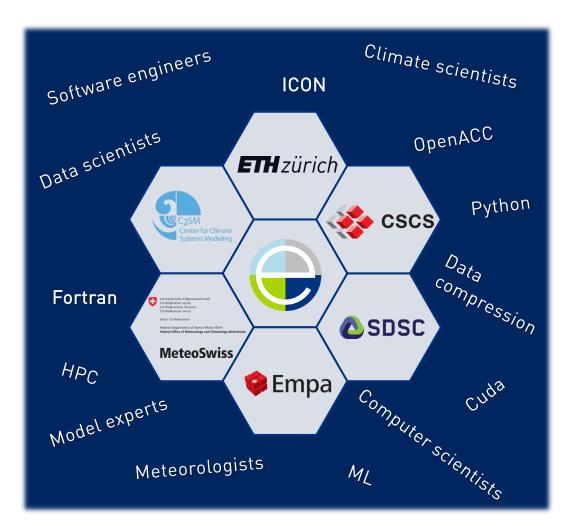












Cultural background







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Career level



Personality





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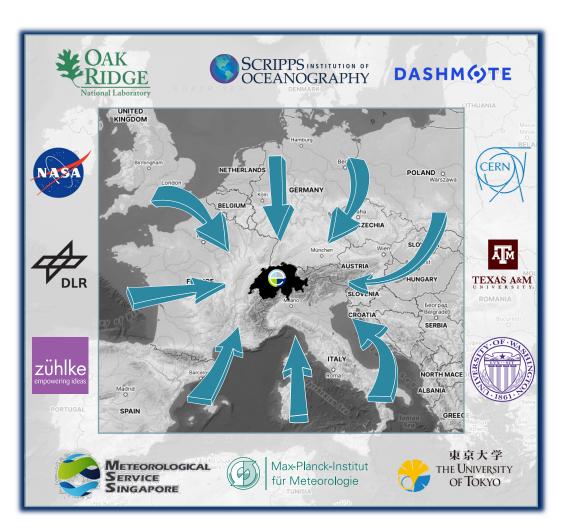




Career







Cultural background











Career level



Work experience







Cultural background



















Cultural background









Skills



Career



Work experience



Accurate
Challenging
Collaborative

Competitive

Detail-oriented

Diplomatic

Dynamic

Extroverted

Fast-pace

Independent

Inspirational

Logical

Optimistic

Peaceful

Perceptive

Persuasive

Questioning

Reliable

Results-oriented

Strong

Supportive

Thoughtful

Cultural background















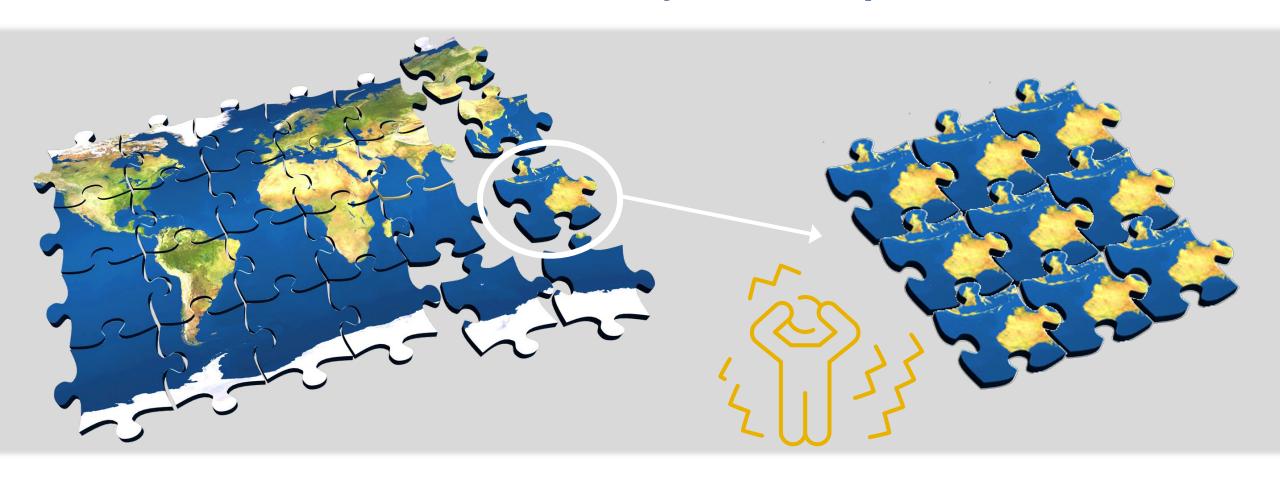


Cultural background





Is it really that important?









Coming together is the beginning



Hello and welcome!



Getting to know each other



Orientation



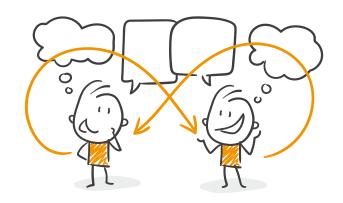
First ideas



Keeping together is progress



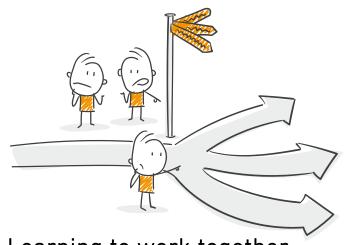
Culture shock



Learning to communicate



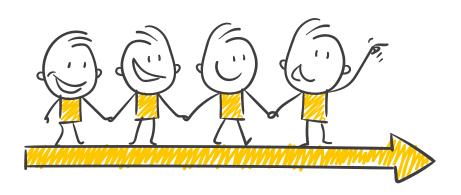
Disagreements



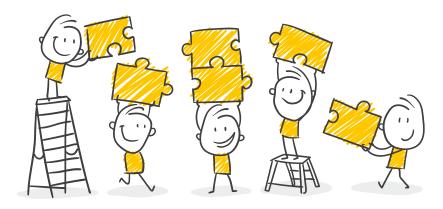
Learning to work together



Working together is success



Focus & Alignment



Performance & Co-creation



Commitment & Collaboration



Team spirit





EXCLAIM and the world around us



Impact of the Covid-19 pandemic on the project

Remote work



Hiring



Hardware delay

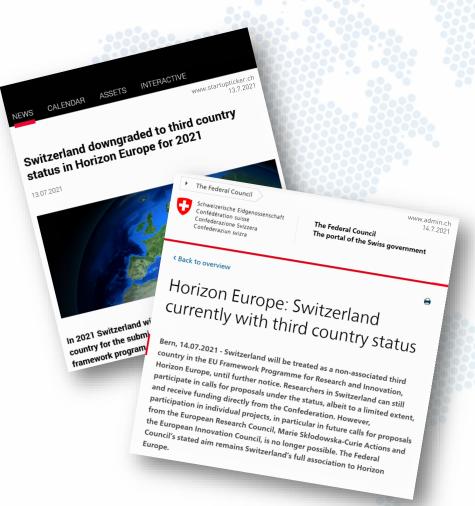


Future of work





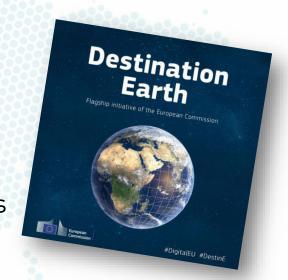
CH - a non-associated third country in Horizon EU





No third party funding from the Horizon Europe program

No collaboration on Destination Earth digital twins



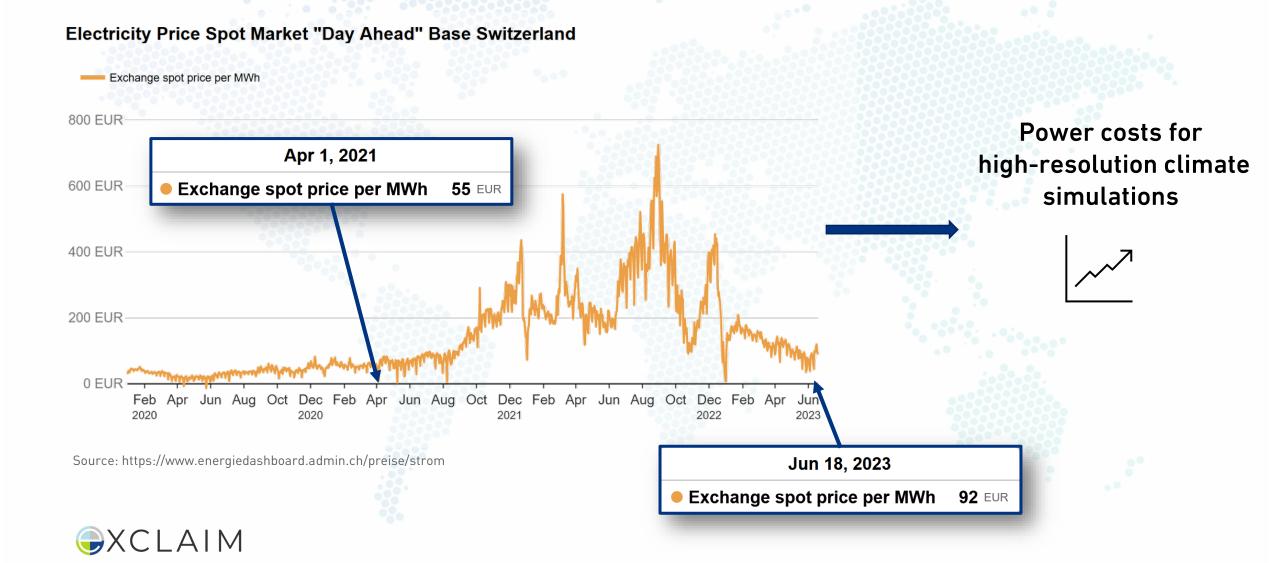


New project: GLORI Global-to-Regional-ICON Digital Twin

2022-2026 (DE, CH, IT)



Energy prices and climate simulations







Thank you for your attention!



https://exclaim.ethz.ch