

Welcome to New IAC Members!

(October 2, 2026)

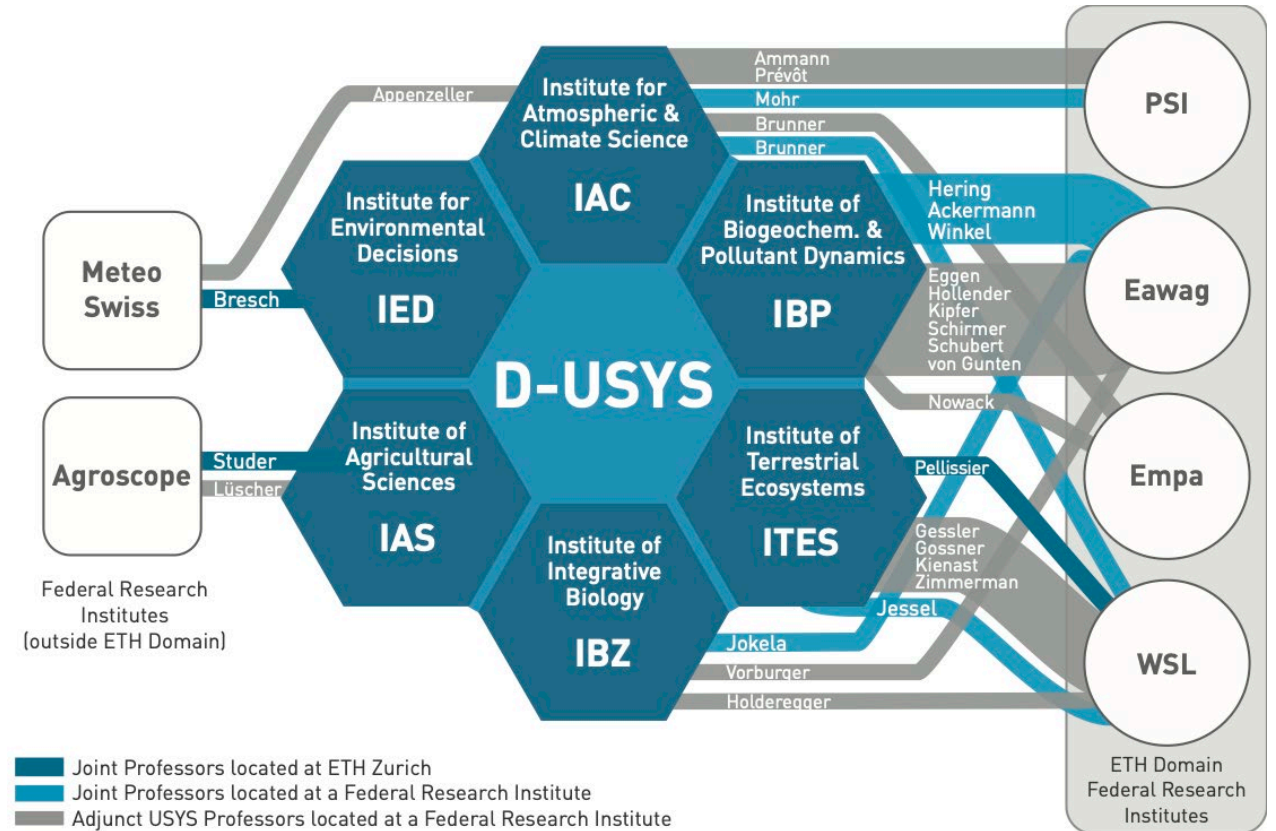


Introduction to IAC
Get to know each other: Bingo game!

Introduction to D-USYS

The Department of Environmental Systems Science (D-USYS) at ETH Zurich conducts research and offers studies into the condition and functions of environmental systems. It develops solutions and methods for managing them on a sustainable basis.

- Founded in 2012 (merger of Agricultural Sciences and Environmental Sciences)
- Department Head: Niki Gruber
- Deputy Department Head: Heini Wernli
- 6 research institutes
- ~37 appointed professors + ~10 assistant professors
- ~27 adjunct professors (some ETH senior scientists, some colleagues from partner institutions)
- Degree programs in Environmental Sciences and Agricultural Sciences (bachelor + consecutive master degree)



The Institute for Atmosphere and Climate Science

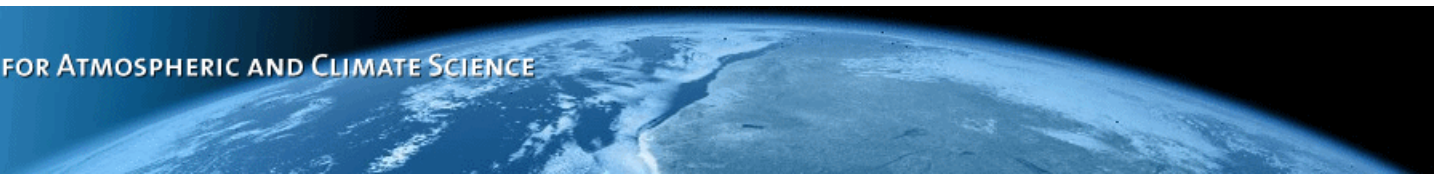
- **Overview:**

- Founded in 2001, merger of the Institute for Atmospheric Science (IAS) and the Institute for Climate Research (ICR)
- Currently the home of 8 research groups + 1 jointly based at WSL/ETH + 1 based at PSI
- Population ~180: 9 professors, 20 senior scientists, 11 admin staff, 22 scientific programmers+IT+technical staff, 52 postdocs, 63 PhD students (+ MS thesis students, visitors, and adjuncts)
- Institute Board (Institutsleitung, IL): composed of all professors of IAC, as well as Peter Isler (infrastructure), Rahel Buri (administration), and Hanna Joos (Master Programs).
- Head of Institute: Sonia Seneviratne
- Deputy Head of Institute: Colette Heald

- **Education:**

- Bachelor's: USYS specialisation in Atmosphere and Climate and EAPS major in Climate and Water
- Two Masters programs: consecutive Masters major in Atmosphere in Climate (D-USYS), and specialised Masters in Atmospheric and Climate Science (D-EAPS)
- Masters program coordinator: Hanna Joos

Lots of useful information on the wiki: <https://wiki.iac.ethz.ch/>



Mittelbau Representatives

The Mittelbau encompasses doctoral students, postdocs, senior scientists and scientific staff (excluding professors).

The Mittelbau representatives represent the interests of those categories at the Institute Board (IL) and sit in the Institute Council (IR). You are welcome to reach out to them to bring up issues and suggestions to improve working conditions here at the institute.



Jacopo Riboldi
(Senior Scientist)
outgoing



Lukas
Gudmundsson
(Senior Scientist)



Patricia Helpap
(PhD student)



Cosimo Carniel
(PhD student)

ISG IT Team



Peter Isler
(Windows, Printing)



Gwen Raubal
(Mac, Windows,
Printing, Web)



Urs Beyerle
(Linux, Web,
HPC)



Mathias Hauser
(Linux,
Database)

IAC IT Wiki: <https://wiki.iac.ethz.ch/IT>

IAC IT support: iac-it@env.ethz.ch

IAC Linux support: iac-linux@env.ethz.ch

IAC Events

Weekly:

- Infokafi: first Friday of every month at 10:15 in L17.1 (announcements and introductions)
- Colloquium: currently Thursdays 13:00 in CHN C14
- Young Scientists Lunch: currently Fridays at 13h in L17.1
- IAC Weather Discussion: currently Thursday at 15:30 in L17.1

Special Events:

- The PhD Retreat: typically Sep/Oct
- The annual Spring Dinner held in May (ETH-based IAC members)
- Afternoon coffee/tea after first and last colloquium of each semester
- IAC potluck in fall semester

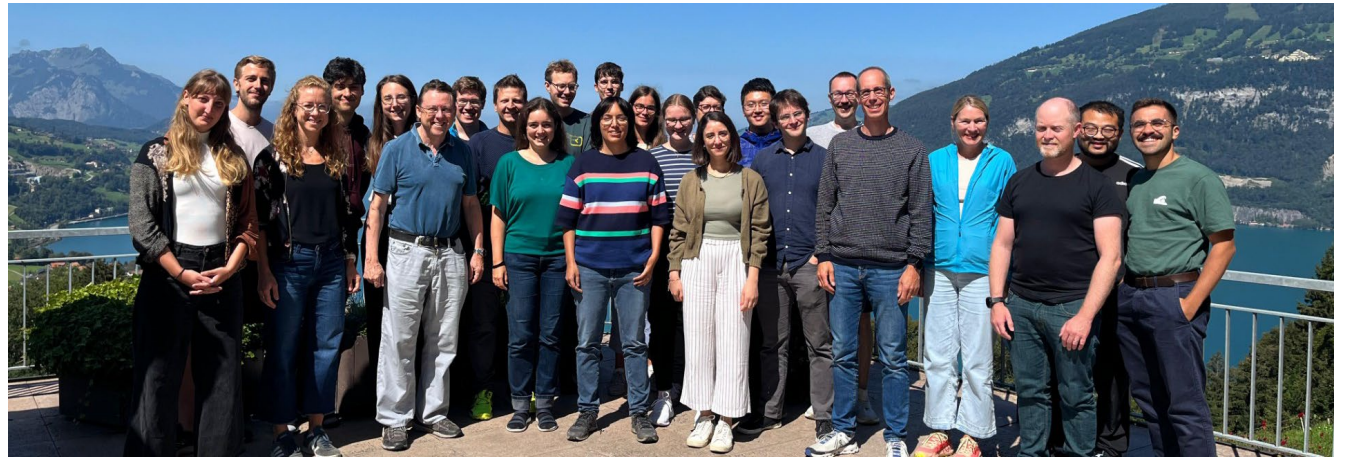


Land-Climate Dynamics

Prof. Sonia I. Seneviratne



- Faculty at ETH since 2007 (MSc in Environmental Physics at ETH, 1999; PhD at IAC, 2003)
- Head of IAC
- ~25 group members
- Located on: L floor
- Research foci: Climate extremes, Land-climate processes, Vegetation-climate interactions, Droughts, Heatwaves, Climate modelling, Satellite observations, IPCC

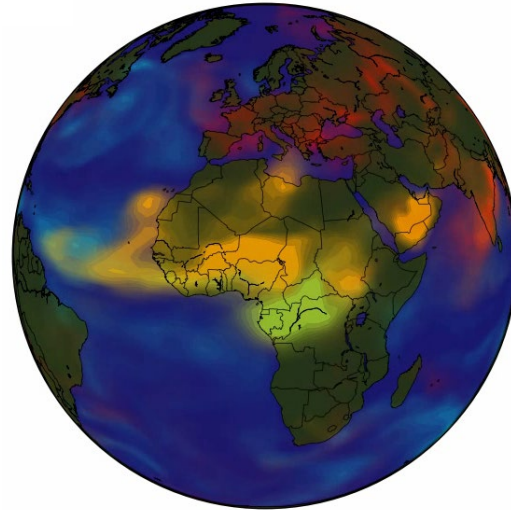


Atmospheric Chemistry Group

Prof. Colette L. Heald



- Faculty at ETH since 2024
- ~12 group members
- Located on: O floor and labs on E/D floors
- *Research foci:* global tropospheric chemistry; biosphere-atmosphere interactions; aerosol sources, evolution, impacts



Hydrology and Climate Impacts

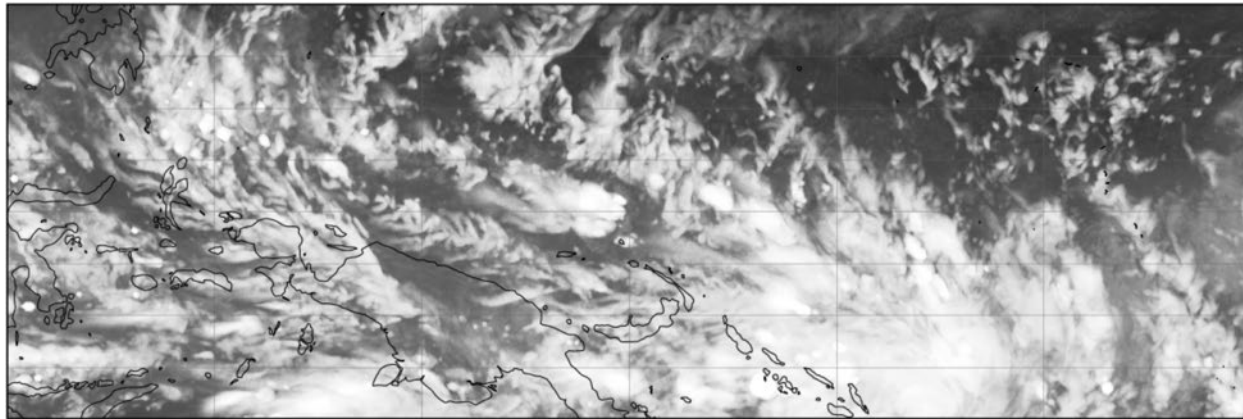
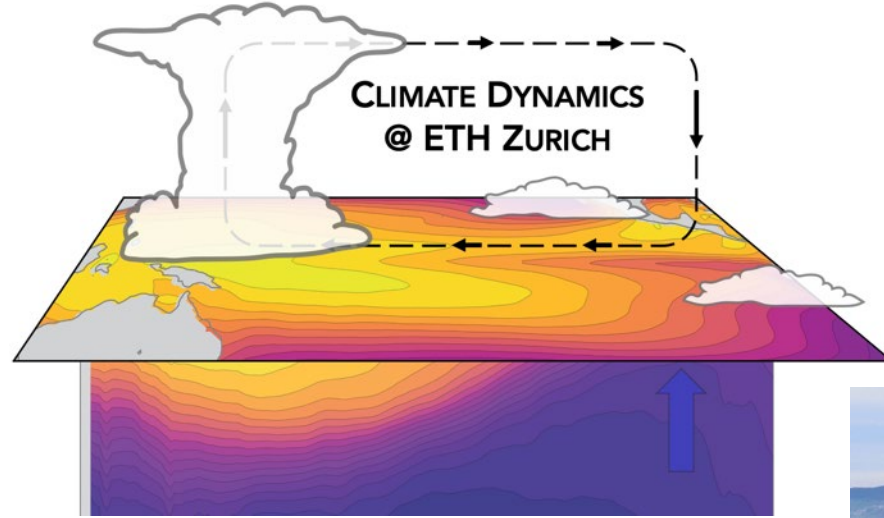
Prof. Manuela Brunner



- Faculty at ETH since 2022
- 15 group members
- Located on: M & P floor
- Research focii:
 - hydro-climatic **extreme events**: floods, droughts, wildfires, and riverine heatwaves
 - **climate impacts** in mountain regions
 - data-driven and process-based modelling

Climate Dynamics

Prof. Robert Inglin Wills



Global 5-km ICON, C. Kroll

- Faculty at ETH since 2023
- 6 group members
- Located on: P floor
- **Research foci:** Global atmospheric circulation, climate variability, pattern of climate change, climate sensitivity, hydrological cycle, high-resolution modeling, statistical learning methods



Climate Physics

Prof. Reto Knutti



- Faculty at ETH since 2007
- ~ 20 group members
- Located on: N floor
- Research focii: Climate models, projections, feedbacks, uncertainty quantification, extremes, variability, attribution, mitigation, machine learning, communication, the role of science in decisions and society



Experimental Atmospheric Physics

Prof. Ulrike Lohmann

- At ETH since 2004
- ~30 group members
- Offices on: O and P floors; labs on E floor
- Topics: studying clouds, tropical cyclones, ice nucleation and aerosols by combining lab, field and modelling work



Aerosol Chemistry / Laboratory of Atmospheric Chemistry at PSI

Prof. Claudia Mohr



- Faculty at ETH since 2023
- Joint affiliation with Paul Scherrer Institute (PSI), Villigen
- Located on: M floor
- Head of Laboratory of Atmospheric Chemistry (LAC) at PSI (6 groups)
- The LAC studies gases and aerosols in the atmosphere, affected by energy systems and impacting air quality, weather, climate change and human health.



High-Resolution Weather and Climate Modeling

Prof. Andreas F. Prein



- Faculty at ETH since 2024
- ~18 group members
- Located on: N floor
- Research focii:
Local and regional-scale processes in the weather and climate system, their representation in models, and their role in extreme events.

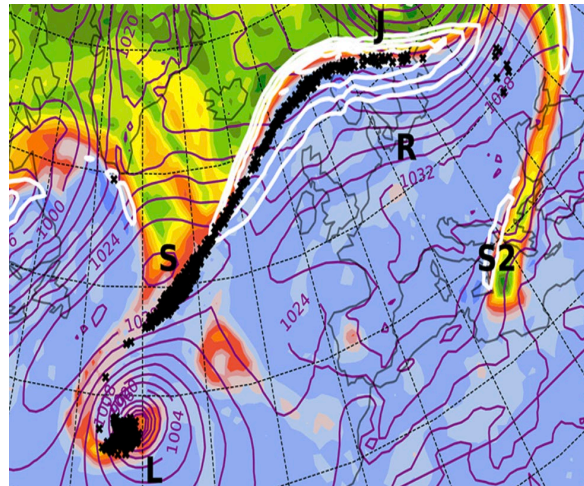


Atmospheric Dynamics

Prof. Heini Wernli

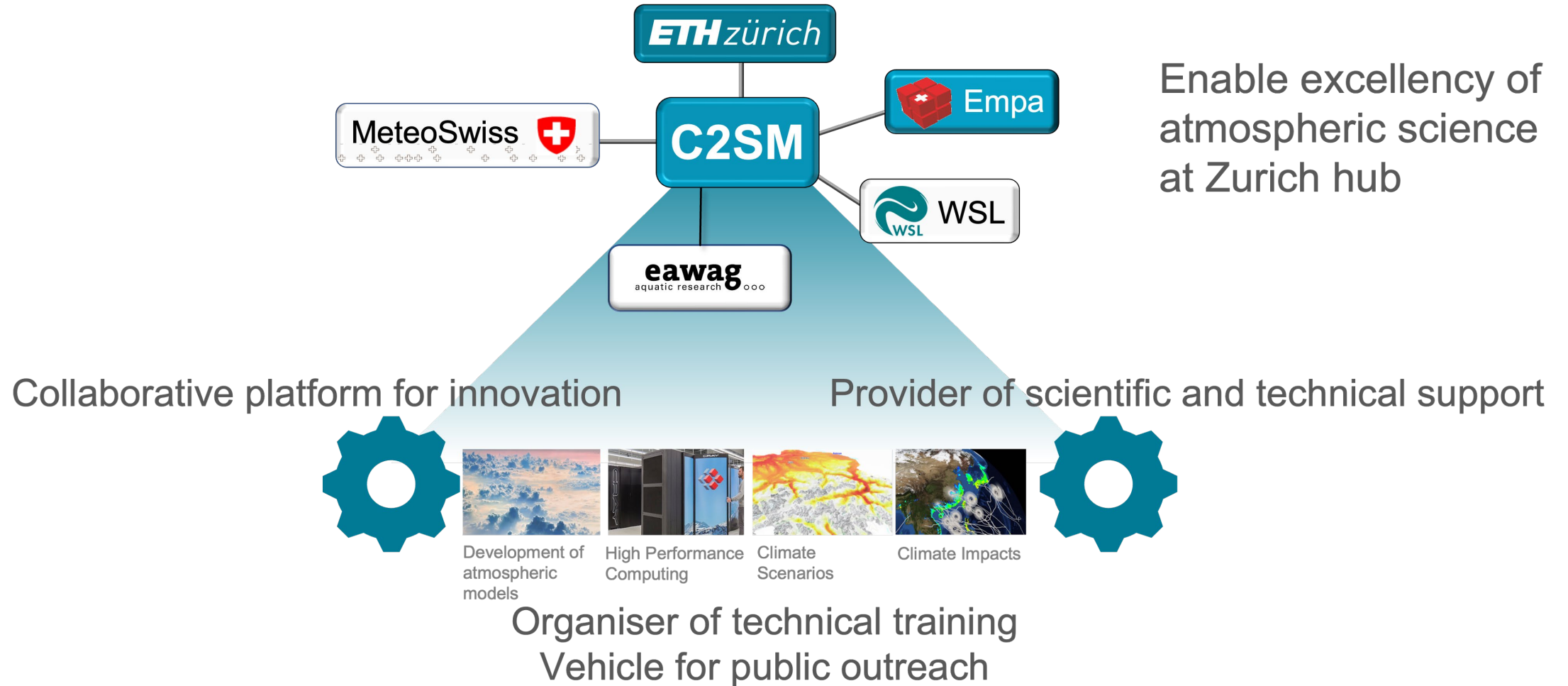


- Faculty at ETH since 2009
- ~25 group members
- Located on: M floor
- Research focii: physics of weather systems, extreme events, atmospheric transport, numerical modeling, weather prediction



What is C2SM?

(Center for Climate Systems Modeling)



C2SM Team

(September 2026)

C2SM Director
Christina Schnadt



C2SM Chairman
Reto Knutti



Modelling Services

**Scientific
Programmer**
Annika Lauber



**Scientific
Programmer /
Data Stewart**
Ruth Lorenz



**Scientific
Programmer**
Matthieu Leclair



Data Stewart Clim+
Anna Merrifield



**Scientific
Programmer**
Mikael Stello



Data Engineer
Konstaninos Servis



**Scientific
Programmer**
Michael Jähn



**Earth Systems
Data Manager**
Planned
Q3 2026



Secretariat Communication

Secretariat
Rahel Buri
25%



**Communication
and outreach**
Andrea Möller
50%



**Outreach
Klimarunde**
Sara
Teplitz, 20%



EXCLAIM project

**Director
of Science
EXCLAIM**
Anurag Dipankar



**Project
Coordinator
EXCLAIM**
Tamara Bandikova



EXCLAIM staff
Jacopo Canton
Yilu Chen
Nicoletta Farabullini
Chia Rui Ong

MeteoSwiss projects

Division climate
Annie Chang
Arno Cheda
Michael Herrmann
Omar Girlanda

HPC & Model Develop.
Christian Kanesan
Mary McGlohon
Lasse Meinen
Samuel Weyermann
Petar Stamenkovic

Other Groups
Sonia Alouini
Dominik Büeler
Leonard Knirsch

CORE TEAM

PROJECT TEAM

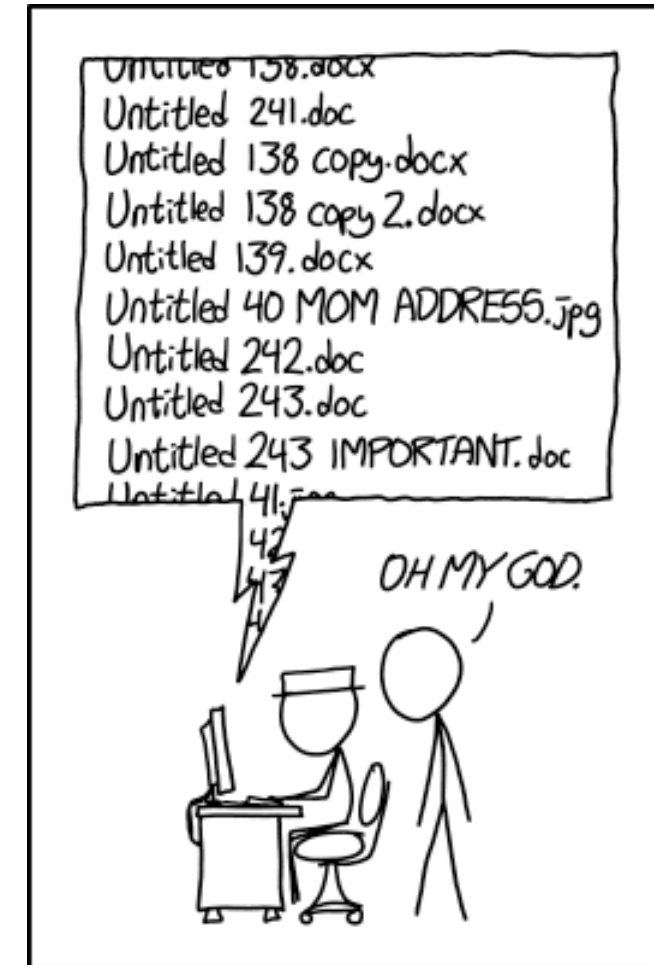
C2SM Data Management Recommendations

C2SM Landing page: <https://c2sm.github.io/>

Best practices > Data handling

1. Research data definitions
2. Software related definitions
3. Organizing and Documenting Data
4. E.g. a list of best-practice recommendations, some common pitfalls
5. Publishing Data
6. Archiving Data

Put together by C2SM Data Management Task Force



PROTIP: NEVER LOOK IN SOMEONE ELSE'S DOCUMENTS FOLDER.

<https://xkcd.com/1459/>

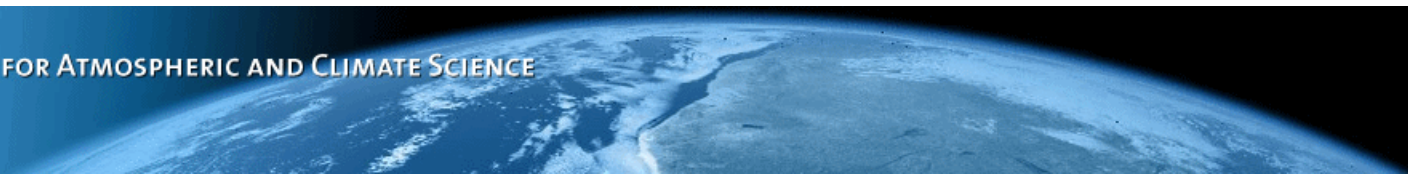
In Event of Conflicts in the Workplace

IAC Contact Persons: Hanna Joos, Erich Fischer and Peter Isler have been elected as confidants at our institute.

If conflicts occur (problems with colleagues and superiors, sexual harassment, bullying), they can serve as the first point of contact. They will stand by with words and deeds and discuss with you how to proceed.

Ombudspersons: general contact point for conflicts that cannot be solved by direct communication and for reporting suspected illegal actions (independent and confidential).

<https://ethz.ch/staffnet/en/organisation/ombudspersons-and-confidants.html>



Some Helpful Resources

Good Scientific Practice: Can provide information on matters related to authorship, the use of research data, or structured knowledge about good scientific practice. Research Integrity Advisors in USYS (Diana Santelia and Zamin A. Kanji):

<https://usys.ethz.ch/en/research/ria.html>

Psychological Counselling: ETH makes available services for counselling for community members struggling with mental health challenges.

Students: <https://www.pbs.uzh.ch/en.html>

Employees: <https://ethz.ch/staffnet/en/employment-and-work/consulting-and-coaching/support-with-mental-challenges/iap.html>

Career Center: ETH's Career Center provides career advising and counseling for graduate students and postdocs, as well as career events and job search opportunities.

https://ethz.ch/students/en/careers/Startseite_CareerCenter.html

