



# Climate Change and Hydrological Extreme Events

## Parallel Sessions:

4 topics to shape and discuss follow-ups to ClimEx. What are research priorities, collaboration potential and the new fields of application?



Bavarian Environment Agency



**INRS**  
UNIVERSITÉ DE RECHERCHE

Centre d'expertise  
hydrique  
Québec



Leibniz-Rechenzentrum  
der Bayerischen Akademie der Wissenschaften

gefördert durch  
Bayerisches Staatsministerium für  
Umwelt und Verbraucherschutz



## 4 parallel sessions (Québec City re-visited)



### A reflection on the wider application of ClimEx data

Potentials of Large Model Ensembles to advance Climate Science - Improving process understanding, reducing uncertainties and quantifying risks. Modeling in the era of big data, deep learning and high performance computing

Advancing Climate Services and Science Communication - which products/information must climate (impact) science deliver to users and decision makers and how? Gaps and perspectives for new fields of application

Was kommt nach der Flut? Dürre, Niedrigwasser und seine Folgen - Die Risiken hydrologischer Extreme und die Möglichkeiten einer vorausschauenden Anpassung (in der Wasserwirtschaft)

Klimawandel, Klimaextreme und die Energiewende - die Folgen des Klimawandels für die erneuerbaren Energien

### Research priorities, user demand and project ideas



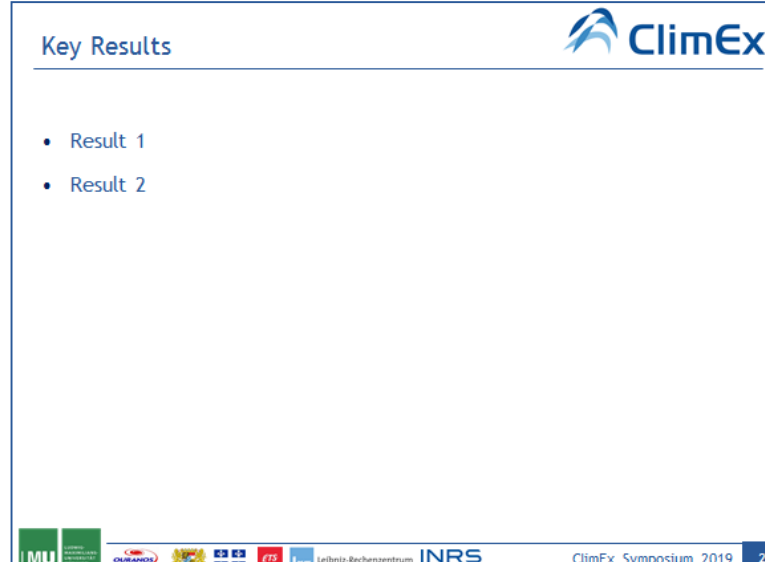
## Session Format

Revisit some ClimEx results: what do we learn from those findings?  
Open discussion and collection of ideas on, e.g.

What is still missing? What are new or not yet considered user requirements?  
What are the implications for future research? Are there clear priorities?  
Which collaborations can be established?



Slide 1: Session A title slide. The slide features the ClimEx logo in the top right corner. The main content is centered and reads "SESSION A" followed by a horizontal line and "Potentials of Large Model Ensembles to advance Climate Science". The footer contains logos for LMU, OURANOS, ETS, lrz, Leibniz-Rechenzentrum, INRS, and the text "ClimEx Symposium 2019" with a page number "1".



Slide 2: Key Results slide. The slide features the ClimEx logo in the top right corner. The main content is centered and reads "Key Results" followed by a horizontal line and a bulleted list: "• Result 1" and "• Result 2". The footer contains logos for LMU, OURANOS, ETS, lrz, Leibniz-Rechenzentrum, INRS, and the text "ClimEx Symposium 2019" with a page number "2".

## A reflection on the wider application of ClimEx data

<p><b>Session A</b> Potentials of Large Model Ensembles...</p> <p>Moderators: Alain Mailhot/ Martin Leduc</p> <p>in room Seminarraum 1</p>	<p><b>Session B</b> Advancing Climate Services and Science Communication...</p> <p>Moderators: Anne Frigon/ Richard Turcotte</p> <p>in room Lecture Hall (here)</p>	<p><b>Session C</b> Hydrologische Extreme und Anpassung</p> <p>Moderators: Ralf Ludwig/Holger Komischke</p> <p>in room Kursraum 3</p>	<p><b>Session D</b> Klimawandel, Klimaextreme und die Energiewende...</p> <p>Moderators: Marco Braun/NN</p> <p>in room Bibliothek, 3rd floor</p>
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Slot 1 (11.30-12.45): moderated discussion

Lunch (12.45-13.45)

Slot 2 (13.45-14.15): moderated summary

Slot 3 (14.15-14.45): reporting back from sessions to plenary