STRASBOURG
France

SEPT 29 - OCT 1, 2020

First OZCAR-TERENO International Conference
Advancing critical zone science

Associated to the event, there is the possibility to visit the Strengbach Critical Zone Observatory in the Vosges mountains and the Exhibition "Critical Zones" at the ZKM in Karlsruhe, Germany.

Opening for abstracts: Feb. 2020
Registration opens: March 2020
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Following the international TERENO conferences organized in Bonn in 2014 and Berlin in 2018, we cordially invite you to join the 2020 international meeting co-organized by the French OZCAR and German TERENO research networks.

The event will offer keynote lectures and poster sessions reflecting the cutting edge of Critical Zone research, aiming at a better understanding of the most superficial layer of the planet where all human activities concentrate. The meeting will also help a better integrated process understanding using multi-disciplinary Critical Zone observatories.

The meeting is supported by the eLTER research infrastructure - European Longterm Ecosystem, Critical Zone and socio-ecological research infrastructure.

Sessions:

- Innovative sensing methods for the Critical Zone
- Long-term environmental and biodiversity observation
- Integration of in-situ and remote sensing data for a better understanding of the soil - vegetation - atmosphere and Earth System dynamics and services at the regional scale
- Temporal variability of CZ processes using high-resolution bio-and geodatabases
- Measuring and modelling water storage dynamics
- Surface - groundwater interactions
- Management and integration of environmental observation data
- Monitoring and modelling water and solid transport during extreme events
- Biogeochemical processes at the soil and catchment scale
- Earth System models: water and carbon cycle
- Model data fusion: improving model predictions and process understanding
- Rates and processes of the CZ formation
- Mineral/biota interaction in the CZ
- Hydrogeophysics (incl. ITN « ENIGMA »)
- Intermittent streams and rivers
- Mountain CZ and sustainability in a changing world
- Challenges in understanding CZ processes in Africa