



ECRA Collaborative Program

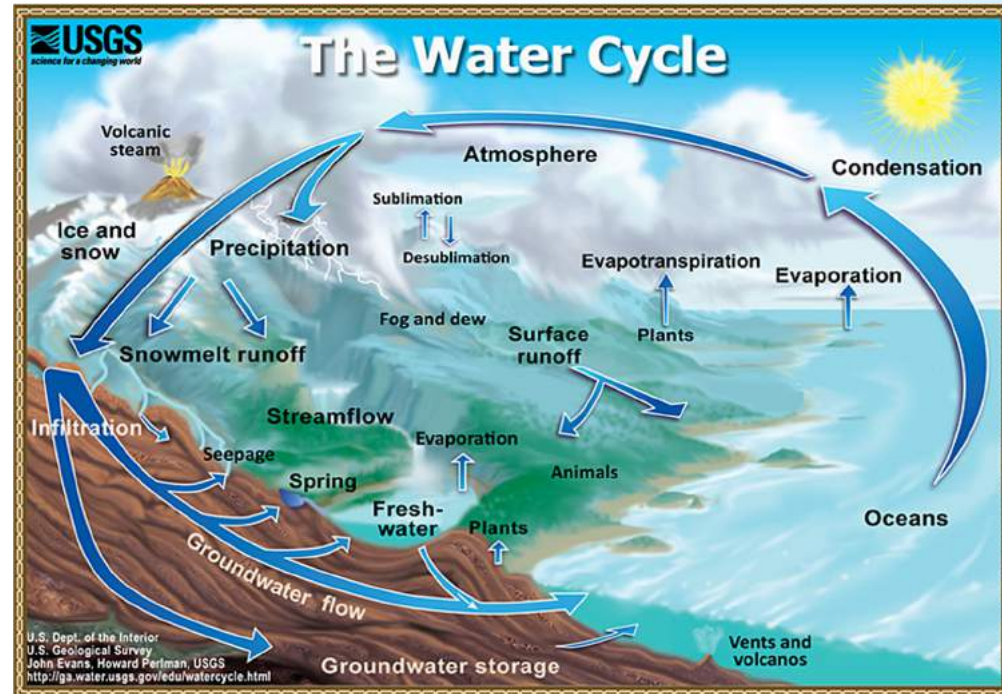
Changes in the Hydrological Cycle

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This CP fosters the study of **changes in the hydrological cycle and impacts at global and regional scales**

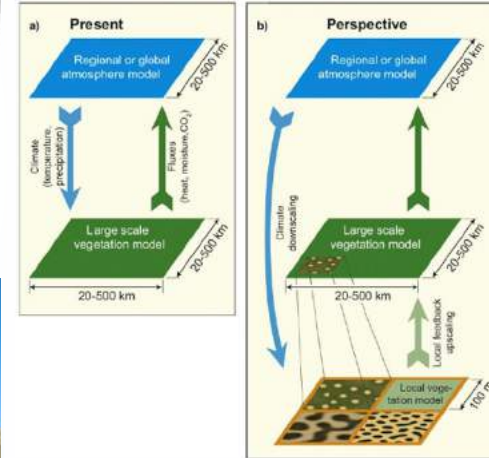
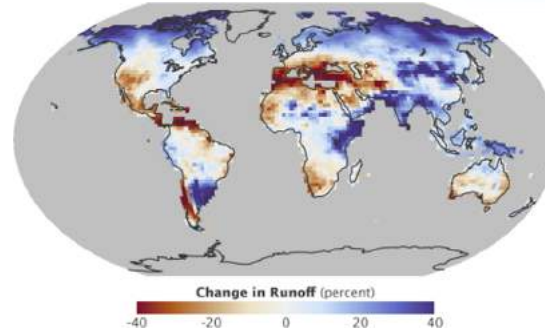
and aims at **improving the scientific understanding of hydrological processes under modified climatic conditions and of their effects and adopting a multi- and trans-disciplinary perspective**



**Global precipitation changes
and runoff**

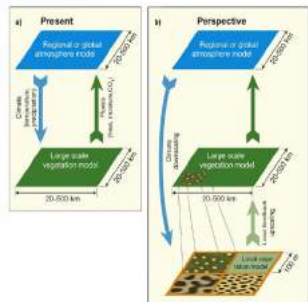
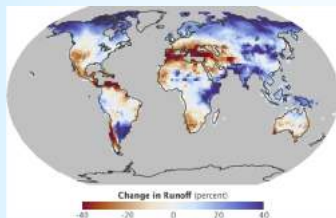
**Interaction between climate
and hydrological/land surface
processes**

**Changes in the hydrological
cycle of hot-spot regions**



Organisation of workshops/conferences

- CP-CHC workshops (Rome/Brussels)
- Joint Workshops with the “High Impact Events” CP
- Various sessions/meetings/side events at national and international conferences (e.g., EGU, GEO week meeting, AGU, Italian SISC, Climate Change and Water conference (Tours, FR), etc.
- All past events listed here: <http://www.ecra-climate.eu/activities-events>

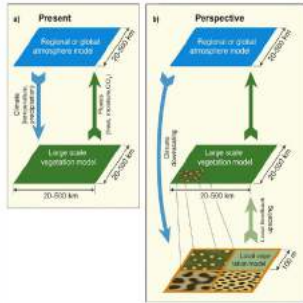
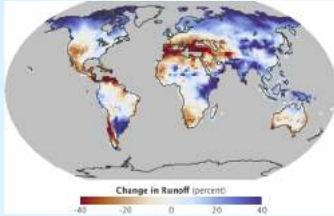


Joint Participation to Call/Proposals

HIE-CHC CP joint effort

H2020-LC-CLA-2020-2 RIA 101003503-2 **ASTERISKS**:

Artificial Intelligence for Climate Services To Enhance Adaptation towards RISKS of Extremes LC-CLA-12-2020 (not funded)



International links and connections

- Copernicus “Development of C3S software for data analysis from climate models”
- GMES -Global Monitoring of the Environment and Security, EC+ESA+EEA
- GEO-Mountains (GEO Initiative)
- Belmont Forum CRA “Mountains as Sentinels of Change”
- EU projects (H2020 ECOPotential, H2020 CRESCENDO, H2020 PRIMAVERA, FP7 GLOBAQUA)

- New themes and research priorities to identify (e.g. the ECZ, a focus on geosphere-biosphere interactions; paleoclimate)
- Broadening the collaboration with socio-economic sciences and need to be more impact oriented
- Preparation of joint technical papers
- Funding sources (COST, H2020, etc) to make collaborations operational

Upcoming events

- 2021 CP-CHC event at “Climate Change and Water”-Conference, May 26th 2021
- 2021 CP-CHC Workshop (Rome/Turin)



Thank you very much for your attention!

CHC-CP Fact sheet available here:

http://www.ecra-climate.eu/images/documents/CP_Factsheets_2017/Factsheet_ECRA_CP_CHC.pdf