

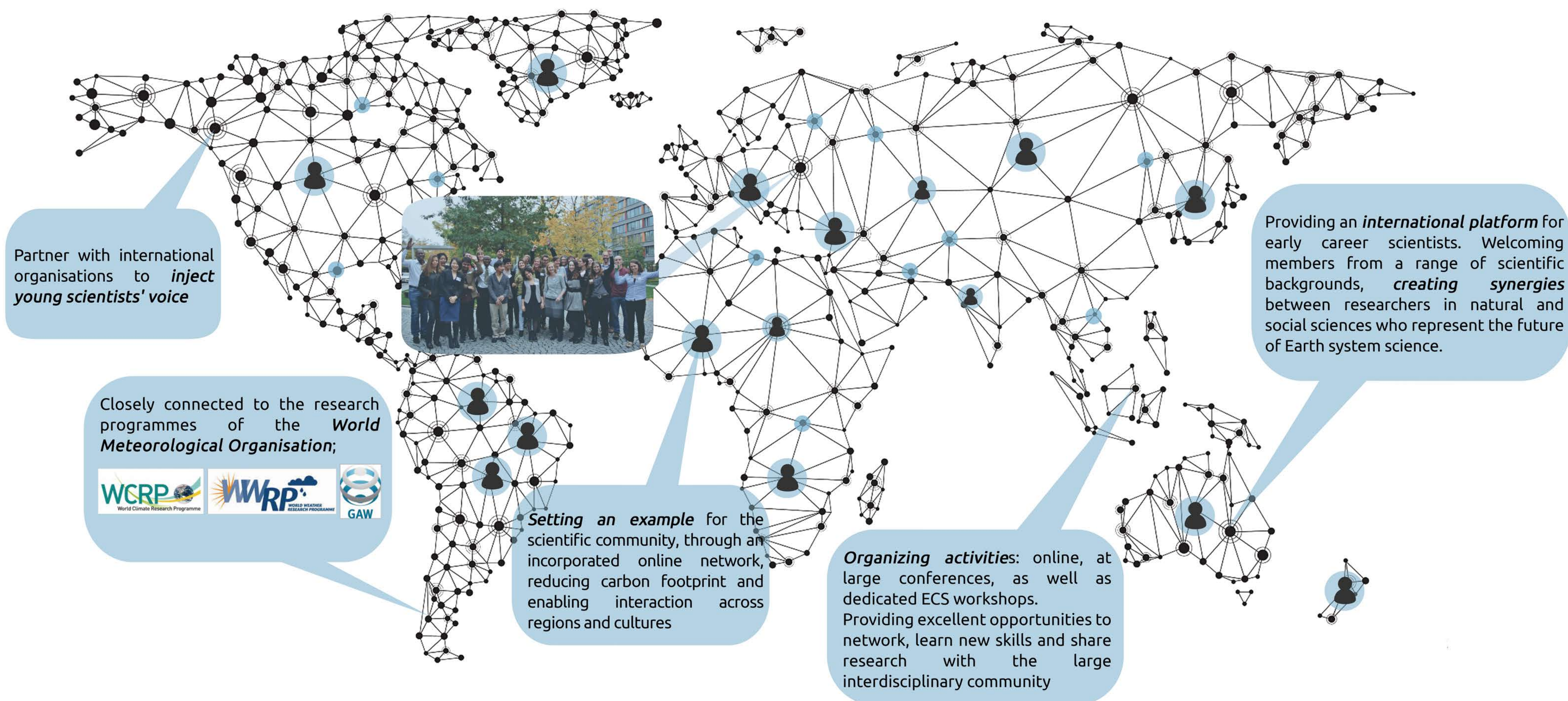
# The Young Earth System Scientists (YESS)

a unified international multidisciplinary early career researchers network

“The Earth system science community has accepted the challenge of creating tangible products for the benefit of society. A coordinated, interdisciplinary and truly global approach is the best means to develop applicable tools to confront the challenges facing society, both now and in the future.”  
(adapted from YESS White Paper 2016)



## YOUNG EARTH SYSTEM SCIENTISTS community



## Earth System Science Frontiers in the 21<sup>st</sup> century

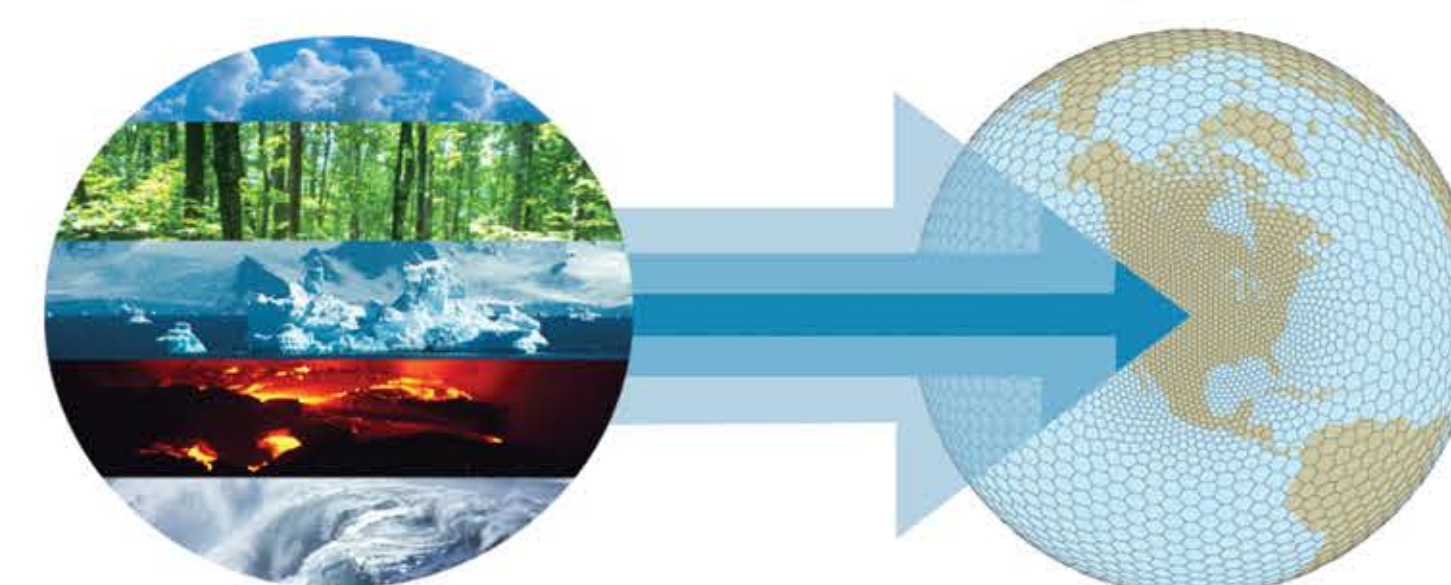
Defined by YESS and further described in the YESS white paper

### User-driven science



An essential frontier in Earth system science is the challenging interaction between short-term, user-driven agendas and long-term, problem-focused fundamental research. Societal demands and basic research need to be equally addressed in an integrated manner to allow robust policy and decision making to build our sustainable future societies.

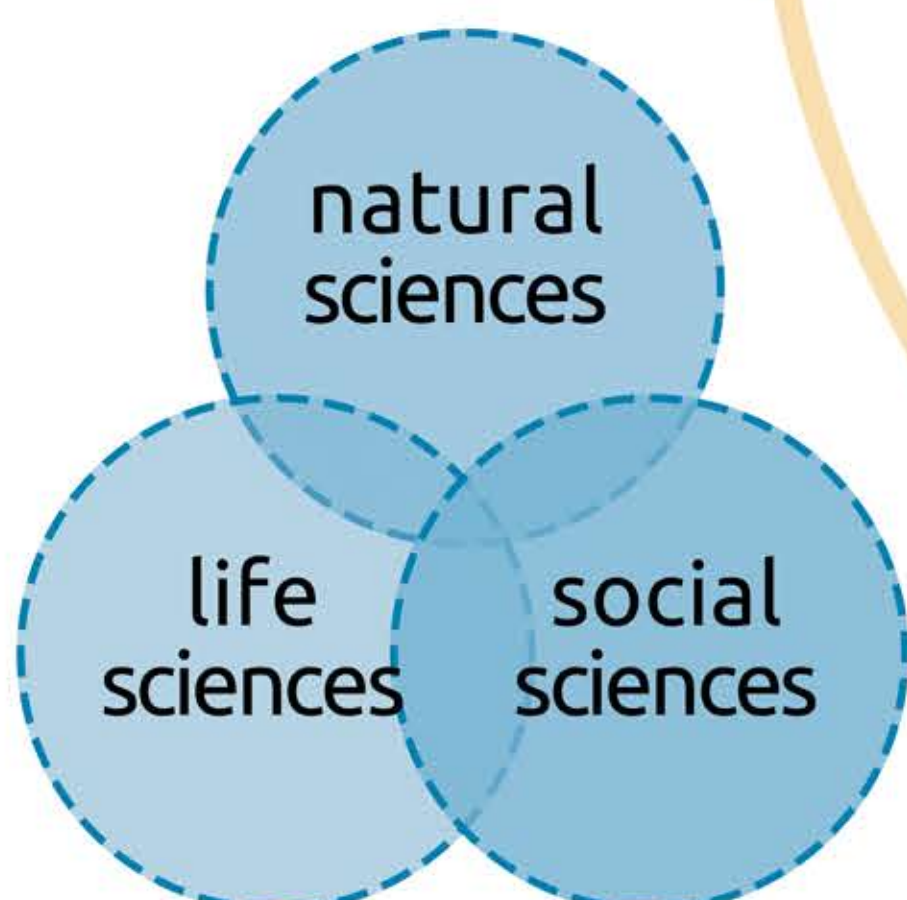
### Scale-aware & seamless predictions



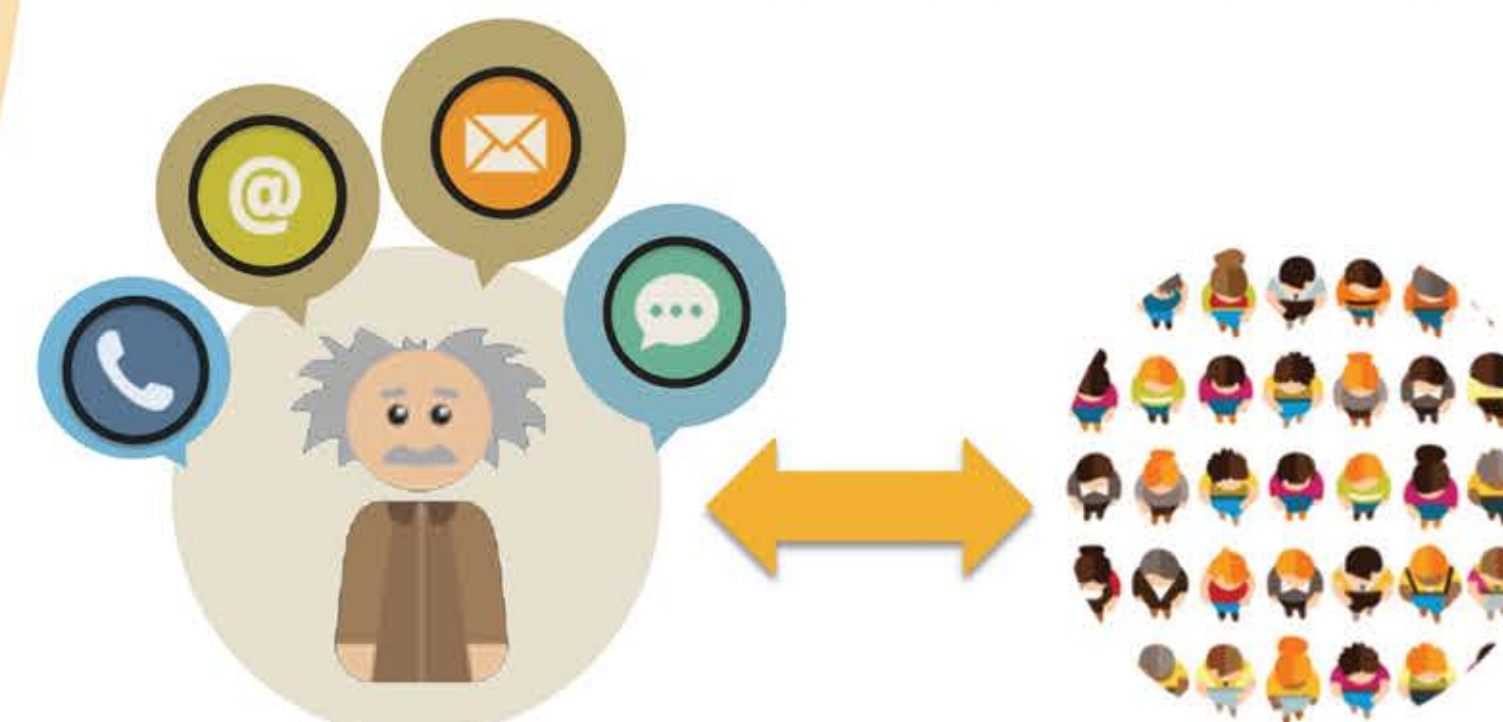
Environmental predictions, seamless on both temporal and spatial scales, need to be extensively developed to provide accurate information on hourly to decadal to centennial timescales and tailored for all geographical scales: local to regional to global.

### Interdisciplinarity

To address the multifaceted problems that exist now and in the future, there is a strong need for an interdisciplinary approach to fully understand the Earth's processes, changes, and to support the related governance of limited resources, policy making and planning.



### Robust communication



A successful dialogue is needed between the scientific community and society to enable an effective communication of knowledge in both directions: enabling policy making and directing research priorities to ensure a sustainable future for all.

If you are a Ph.D. student, Postdoc or an active master student and are interested in joining our network

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