



YOUNG EARTH SYSTEM SCIENTISTS community

Built by Young Scientists for Young Scientists

Sebastian Sonntag

Max Planck Institute for Meteorology, Hamburg, Germany

YESS Executive Committee

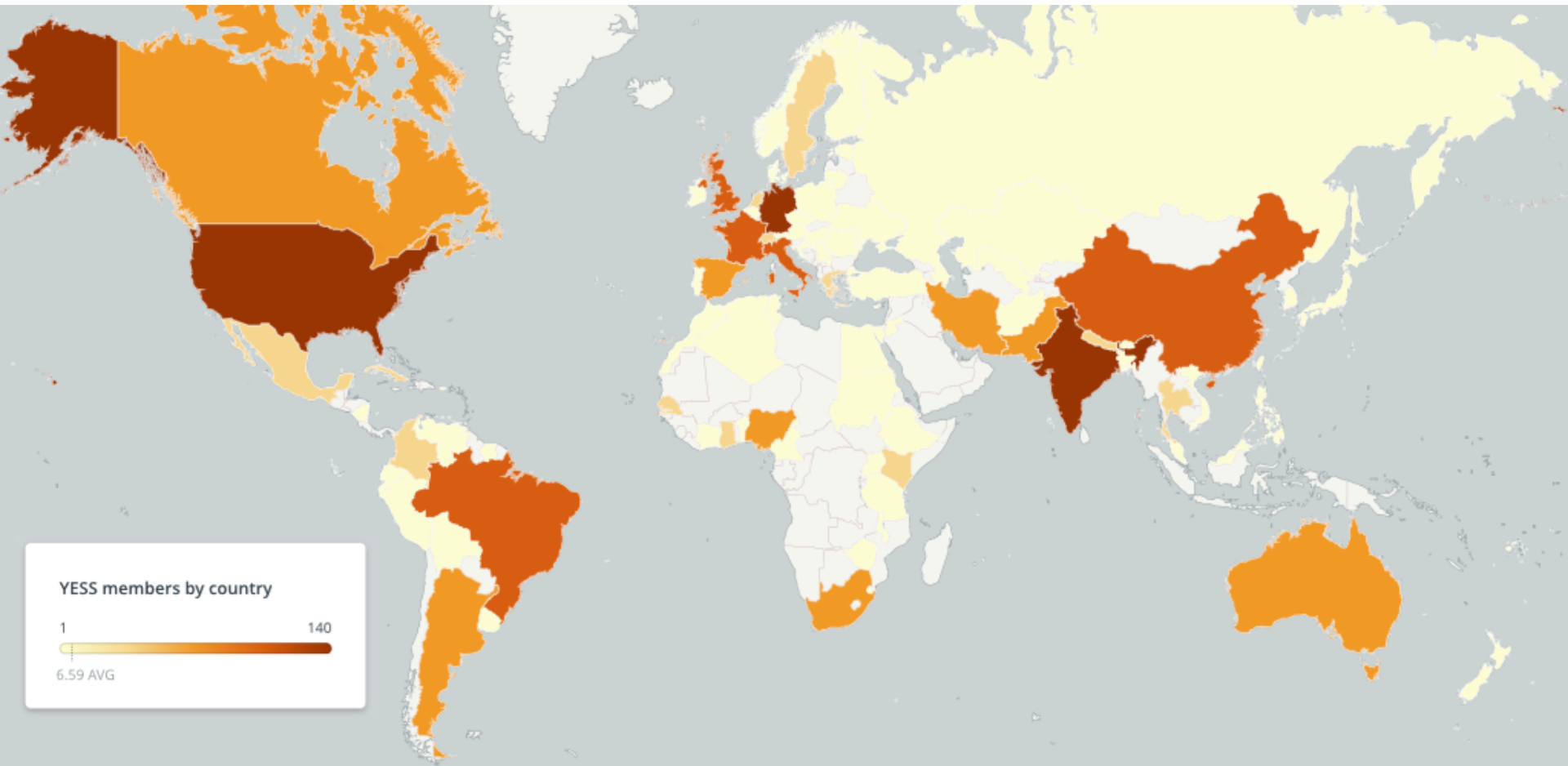
WCRP JSC-38, IOC/UNESCO, Paris, France, 3-7 April 2017

YESS – Young Earth System Scientists



A unified international multidisciplinary early-career researchers network
founded and run by ECR

YESS – Young Earth System Scientists



A unified international multidisciplinary early-career researchers network
founded and run by ECR
with > 800 members in > 80 countries

Structure

- Active members form the Council and are organized in working groups.
- Executive Committee members and Regional Representatives are elected yearly by the Council.

Executive Committee 2016/2017

Julia Keller (Germany)

Gaby Langendijk (The Netherlands)

Masoumeh Mirsafo (Iran)

Marisol Osman (Argentina)

Vera Schemann (Germany)

Sebastian Sonntag (Germany)

Fiona Tummon (South Africa/Switzerland)

Regional Representatives 2016/2017

Africa

Faten Bahar (Tunisia)

Steve Arowolo (South Africa)

Asia / Middle-East

Mohammad Alqadi (Jordan)

Masoumeh Mirsafo (Iran)

Europe

Jakub Walawander (Poland)

North America

Kevin Reed (USA)

South America

Ariane Frassoni (Brazil)

Marisol Osman (Argentina)

South West Pacific

Erik Behrens (New Zealand)



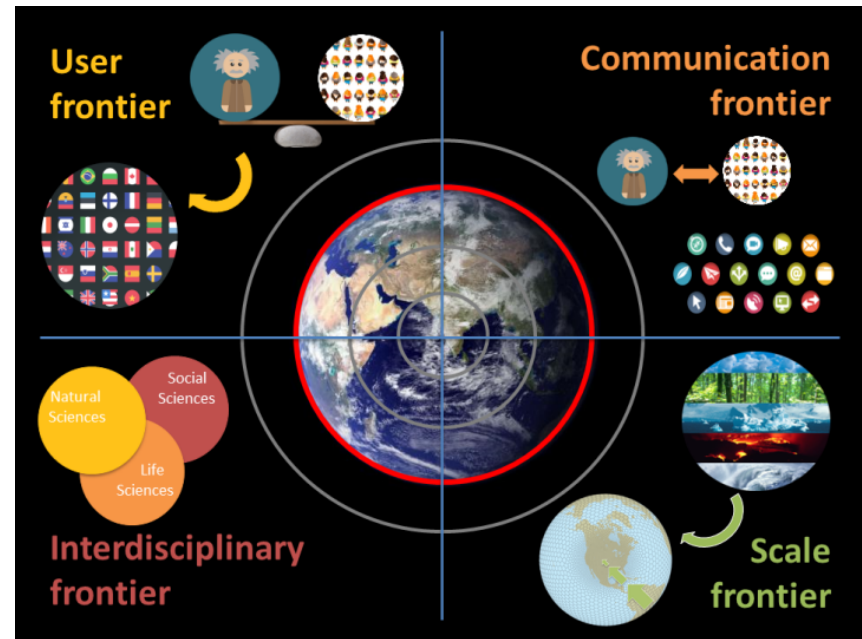
Development over the last year

- YESS white paper
- YESS Office
- YESS involvement in international scientific programmes
- YESS events and activities

Development over the last year

- **YESS white paper**

- Accepted for publication in BAMS
- Outlines YESS vision of the future of Earth system science
- Outcome of ECR workshop in Offenbach, Germany, 2015, supported by WCRP/WWRP/GAW
- Focuses on four 'Frontiers':



- YESS Office
- YESS involvement in international scientific programmes
- YESS events and activities

Development over the last year

- YESS white paper
- **YESS Office**
 - Open at Argentinean National Weather Service (SMN) in Buenos Aires
 - WMO CAS and WCRP JSC endorsements crucial in reaching this goal
 - Operational as of March 15, 2017

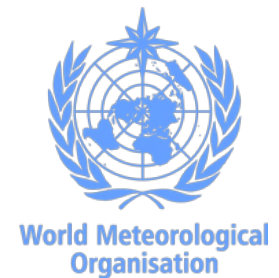
YESS Officer: Valentina Rabanal



- YESS involvement in international scientific programmes
- YESS events and activities

Development over the last year

- YESS white paper
- YESS Office
- **YESS involvement in scientific programmes**
 - Continued close collaboration with international programmes
 - YESS members invited to
 - WCRP Regional Scoping process
 - IPCC-Future Earth-PROVIA scientific workshop (Stockholm, Sweden; Aug 2016) by WCRP
 - Future Earth Science and Engagement Committee meeting (Montreal, Canada; Mar 2017)
 - YESS Council member part of
 - WGNE
 - WWRP Newsletter Editorial Board
- YESS events and activities



Development over the last year

- YESS white paper
- YESS Office
- YESS involvement in scientific programmes
- **YESS events and activities**
 - Webinar series with Expert and Council webinars
 - Activities at international meetings, e.g.:
 - ECS Symposium at CLIVAR OSC (Qingdao, China; Sep 2016)
 - IGAC 2016 conference (Breckenridge, USA; Sep 2016)
 - ECR side-event & presentation at AGU FM (SanFran, USA; Nov 2016)
 - ECR meet-up at EGU GA (Vienna, Austria, Apr 2016)
 - Elections for ExeCom and Regional Representatives currently running
 - Research on increasing ECR involvement in the IPCC process



Plans for the coming year

- YESS workshop 2017
- Continue involvement in WCRP scientific activities
- Develop working group on promoting interdisciplinary science

Plans for the coming year

- **YESS workshop 2017:** *Towards seamless regional weather & climate information*
 - Discuss how to obtain and disseminate seamless regional weather, atmospheric composition, and climate information through an interdisciplinary approach
 - Exploring data sources
 - Scales and user needs
 - Evaluate YESS achievements and develop strategy for the future
 - Planned to be aligned with Joint IAPSO-IAMAS-IGA Assembly in Cape Town, South Africa, 08/09 2017
- Continue involvement in WCRP scientific activities
- Develop working group on promoting interdisciplinary science

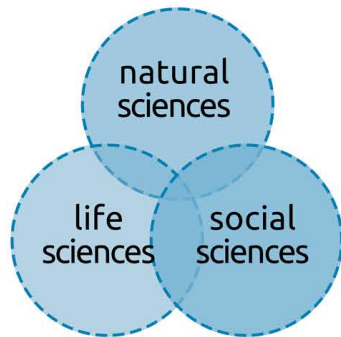


Plans for the coming year

- YESS workshop 2017
- **Continue involvement in WCRP scientific activities**



- **Develop working group on promoting interdisciplinary science**



YESS and WCRP

WCRP's support of YESS is essential to enable ECR to start developing collaborations across regional and scientific borders, towards a unified approach to Earth system science with the intention to serve society.

Recommendations that may be considered by the JSC:

- JSC encourages the **WCRP-wide support for the 2017 ECR workshop** and provides advice to the planning;
- JSC encourages **continued and enhanced involvement of ECR in WCRP activities**, including Core Projects, Grand Challenges, and working groups through, e.g., co-leadership of scientific activities and/or observer status in leadership groups, taking into account of YESS offer for coordination and assistance for ECR involvements;
- JSC requests WMO - through WCRP, WWRP and GAW - to **consider solidifying resources for the YESS office in Argentina**, for both logistical arrangements and for activity support.



YOUNG
EARTH SYSTEM
SCIENTISTS
community



“We believe that we can shape a truly international and sustainable research network that will compliment and integrate ongoing activities in the short term and will benefit the WMO research programs in the long term by training and creating opportunities for future leaders.”

– YESS Community –