



YOUNG  
EARTH SYSTEM  
SCIENTISTS  
**community**

Built by Young Scientists for Young Scientists

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WCRP JSC-39, NUIST, Nanjing, China, 16-20<sup>th</sup> April 2018

# YESS – Young Earth System Scientists

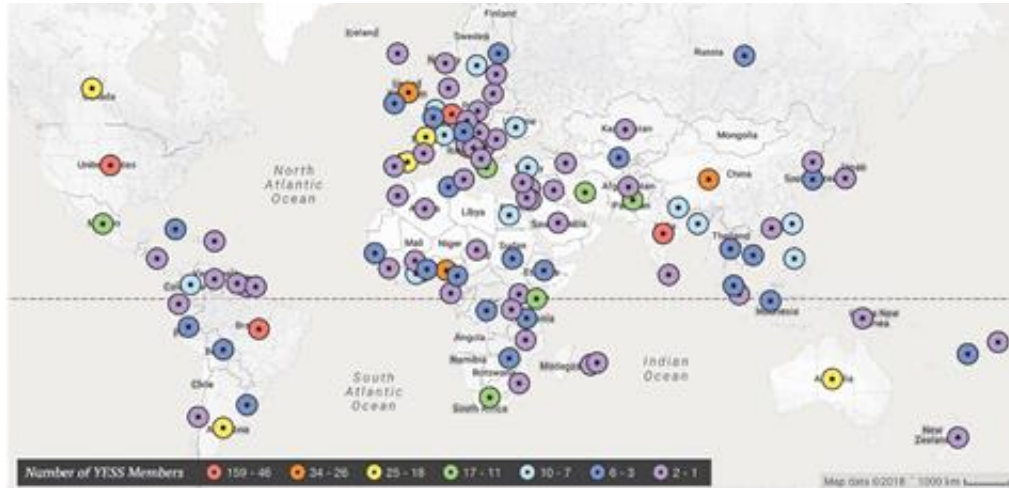
*“Earth System Science is the fundamental baseline for earth's capacity to accommodate humanity....  
... A coordinated, interdisciplinary and truly global approach is the best means to develop applicable tools and strategies to confront the challenges facing society, both now and in the future.”*

*(adapted from YESS Paper, BAMS 2017)*



**Creating opportunities** for early career researchers to become active in scientific related activities, such as the boards & panels and projects of World Climate Research Programme and World Weather Research Programme

# YESS – Young Earth System Scientists



A unified international multidisciplinary early-career researchers network founded and run by ECR with > 1000 members in > 100 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.



The Netherlands  
Gaby Langendijk



Tunisia  
Faten Bahar



Taiwan/Germany  
Jo-Ting Huang-Lachman



Argentina  
Marisol Osman



Iran/Italy  
Masoumeh Mirsafai



Germany  
Sebastian Sonntag



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## Regional Representatives 2017/2018

### Africa

- Victor Dike (Nigeria/China)
- Hezron Awiti (Kenya/Seychelles)

### Central Asia

- Dildora Aralova (Uzbekistan/Germany)
- Muhammad Azhar Ehsan (Pakistan/Saudi Arabia)

### Europe

- Vikki Thompson (UK)
- Jakub Walawander (Poland/Germany)

### North America

- Palmira Cuellar (Mexico)
- Kevin Reed (USA)

### South America

- Ariane Frassoni (Brazil)
- Leandro Díaz (Argentina)

### South East Asia

- Shipra Jain (India)
- Salauddin Mohammad (India)

### South West Pacific

- Mona Bahri (Australia)
- Erik Behrens (Germany/New Zealand)



# Activities over the last years

## ■ YESS involvement in scientific programmes

- Continued close collaboration with international programmes
- ECR workshop in Offenbach, Germany, 2015, supported by WCRP/WWRP/GAW
- 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)
  - 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)
  - Joint IAPSO-IAMAS-IAGA Assembly in Cape Town, South Africa, Aug/Sep 2017
  - YESS at IPCC 30th Anniversary celebration, UNESCO headquarters, 2018
  - ECR NoN Meeting – London, 2018



World Meteorological Organisation



GAW

futureearth  
research for global sustainability

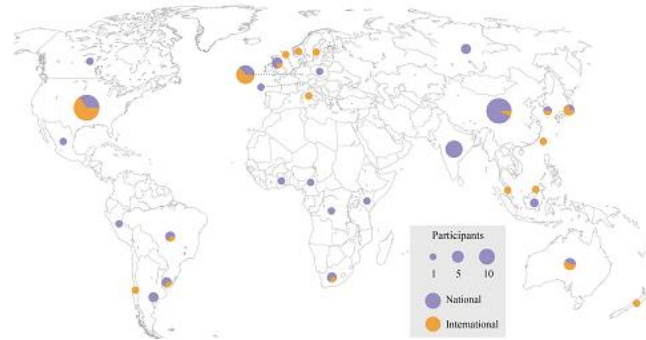
Early Career Researchers  
Network of Networks  
(ECR NoN)



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# Developments over the last years

- Sw art, N. C., J. Busecke, G. Langendijk, K. A. Reed, S. M. Kang, E. Behrens, A. Frassoni, N. C. Baker, J. V. Durgadoo, V. N. Dike & D. Nath (2018), Reflections on the CLIVAR Early Career Scientists Symposium 2016, npj Climate and Atmospheric Science, 1, 6, doi:10.1038/s41612-018-0015-y
- ECR involvement in the IPCC process
- Currently fine-tuning plans on capacity building workshops in the Institute of Atmospheric, Beijing
- Interesting **webinar series** on Earth System Science topics
- Dike V.N, Addi M, Andangó H.A, Attig B.F, Barimalala R, Diasso U.J, Du Plessis M, Lamine S, Mongwe N.P, Mah Z, Ochanda K.V, (2018) Africa's young climate scientists face challenges, Nature Climate Change



# Upcoming events for this year

- Seedbeds of Transformations: The Role of Science with Society and the SDGs in Africa, South Africa May, 2018.
- we are active in several Future Earth activities--(*perspectives, challenges and priorities of early career professionals in Africa*)
- YESS- YHS ECR Workshop in conjunction with GEWEX OSC. Canmore, May 2018
- SBSTA Research Dialogue in Bonn, May, 2018
- Ongoing research on what role ECRs could play in IPCC process





# Plan for the coming years

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- Continue involvement in WCRP scientific activities
- Develop working group on promoting interdisciplinary science
- Discuss how to obtain and disseminate seamless regional weather, atmospheric composition, and climate information through an interdisciplinary approach
- Gather ECR and early-career practitioners
- Evaluate YESS achievements over past years and develop strategy for the future

# YESS and WCRP

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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 ECR workshops** and provide 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.

# Outlook on the Strategic plan

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- What strategic plan imply for the WCRP structure are not described yet – YESS and other early career scientist networks are wondering what this would imply in the management of WRCF for the next decade
- ECR representatives on the various steering groups across WCRP
- YESS is coordinating consolidated input from ECR to the strategic plan



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Offenbach Germany

**"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 -**



YESS represented in IPCC high-level panel discussion

CLIV ARECSS, Qindao, 2016



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# Thanks for your Attention

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