



# CLIVAR-FIO SUMMER SCHOOL ON PAST, PRESENT AND FUTURE SEA LEVEL CHANGES

25 – 30 June 2018, Qingdao, China

*Hosted by*

**The First Institute of Oceanography (FIO),  
State Oceanic Administration (SOA), China**



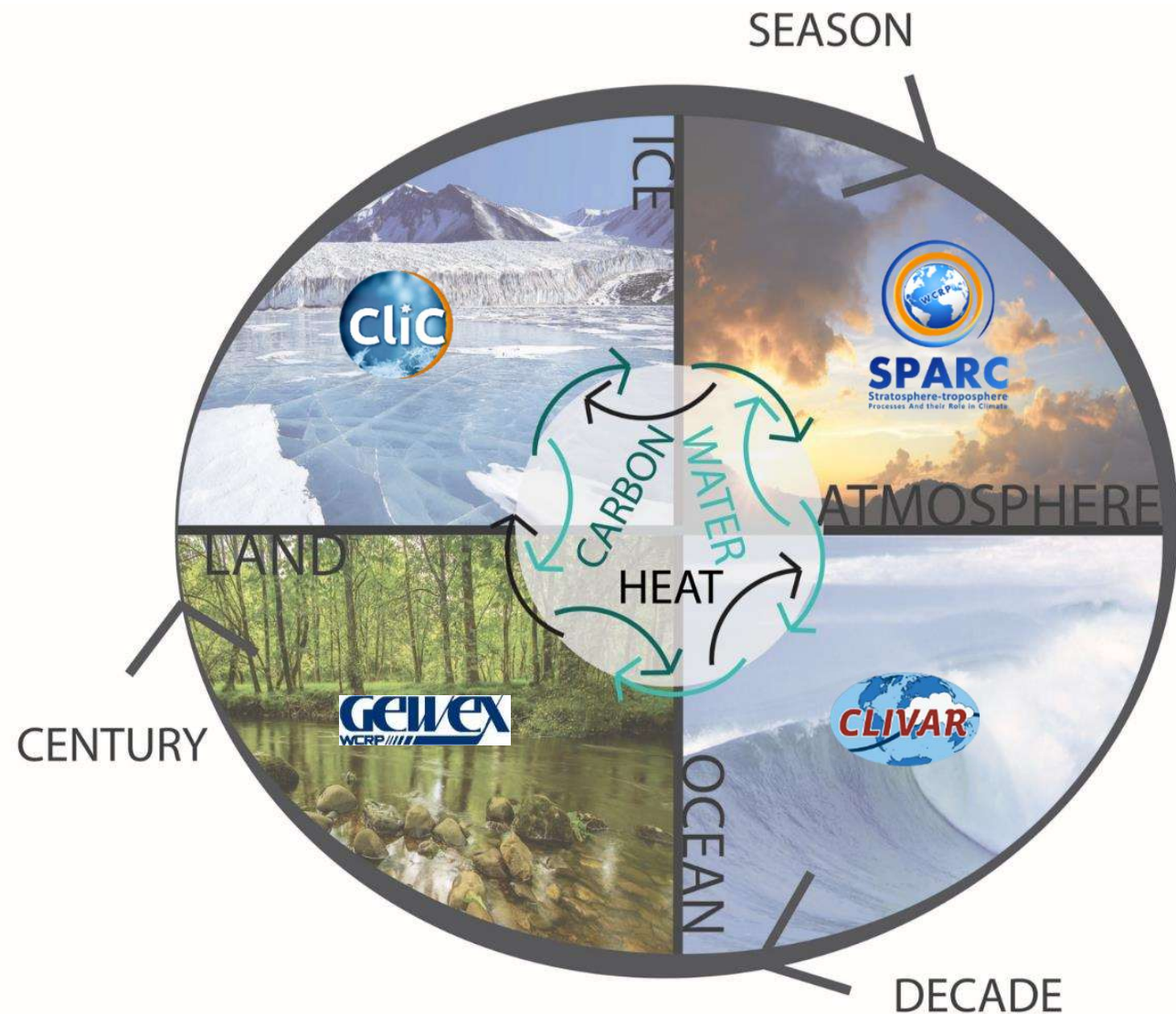


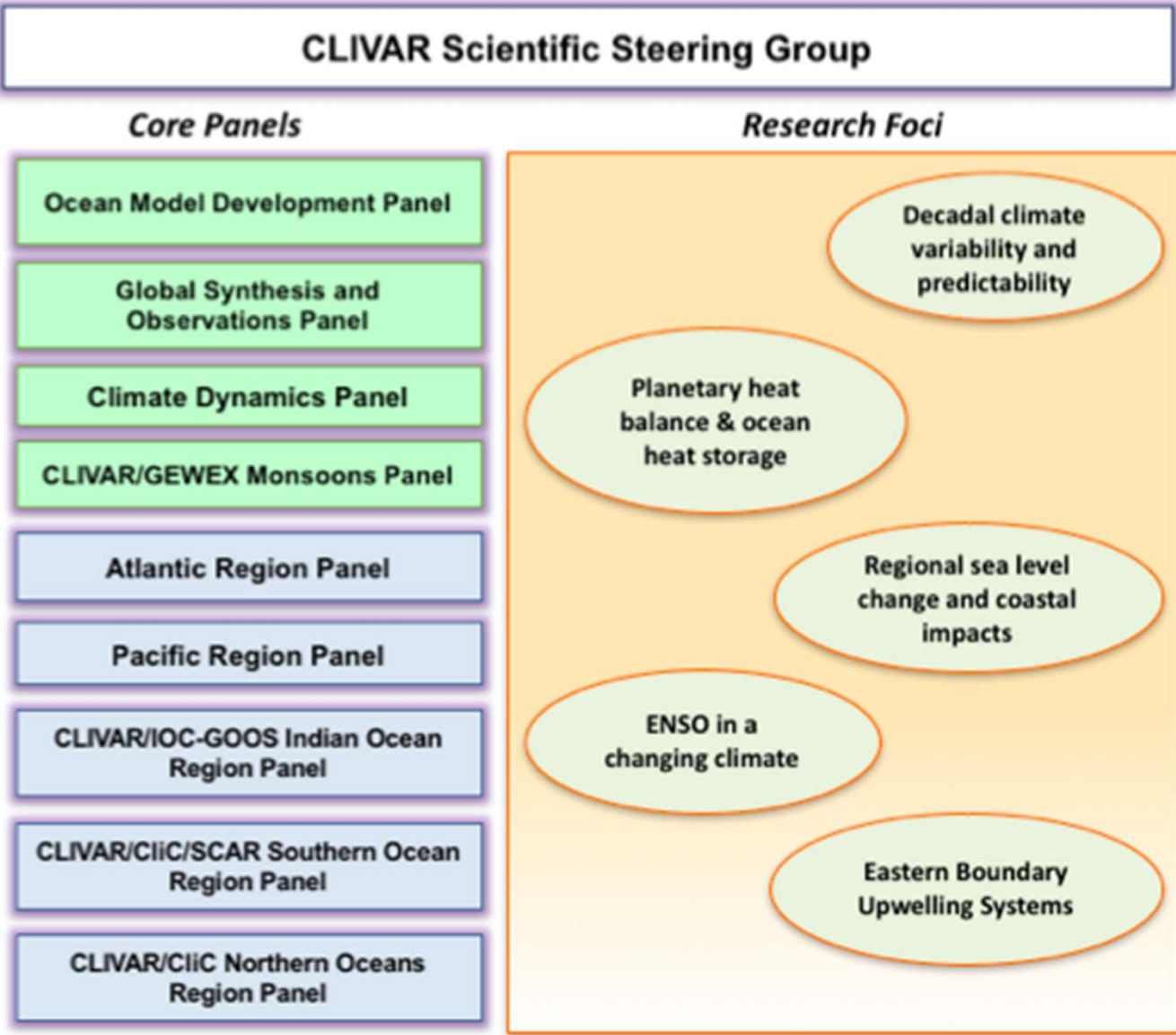
<https://www.wcrp-climate.org/>

... to facilitate **analysis and prediction** of Earth system **variability and change** for use in an increasing range of **practical applications** of direct relevance, **benefit and value to society**.

Overarching objectives:

- to determine the predictability of climate;
- to determine the effect of human activities on climate





International CLIVAR Project Office

www.clivar.org | Climate

CLIVAR 20 Years of Progress

Climate and Ocean - Variability, Predictability, and Change

Home About CLIVAR Organization Joint Initiatives Calendar News & Resources **Funding Opportunities** Publications Get Involved

IV International Conference on El Niño Southern Oscillation: ENSO in a warmer Climate

Latest News

Draft WCRP Strategic Plan 2019-2029 open for public comment  
 The draft WCRP Strategic Plan 2019-2029 is now available for public consultation. The Strategic Plan consultation will close on 31 August 2019.

**IV International Conference on El Niño Southern Oscillation: ENSO in a warmer Climate**  
 2018. Guayaquil, Ecuador

Funding opportunities on "Climate Change Research"

Submitted by Jose Santos on Thu, 2017-06-29 07:33

**Funding opportunities on "Climate Change Research"**

Date of compilation: 15 October 2017. All calls have deadlines during the first semester of 2018.

If there is a call that might be of interest for you and/or you require logistical assistance to prepare the proposal, please contact the International CLIVAR Project office at: [icpo@clivar.org](mailto:icpo@clivar.org)

Title of the Call	Sponsor	webpage	Activity location	Abstract
Newton Fund	United Kingdom Government	<a href="http://www.britishecouncil.org/education/science/newton">http://www.britishecouncil.org/education/science/newton</a>	Indonesia, Thailand, Vietnam, Mexico, Kazakhstan, Egypt, India, Malaysia, Colombia, Brazil, Philippines.	Through the Newton Fund, the UK will use its strength in research and innovation to promote the economic development and social welfare of partner countries. Working together on bi-lateral and multi-lateral programmes with a research and innovation focus, the UK will build strong, sustainable, systemic relationships with partner countries. This will support the continued excellence of the UK research base and innovation.

Home » Spotlight on a scientist

## Spotlight on a scientist

Have you recently published a paper, or done some cool fieldwork that you would like to share with the rest of the CLIVAR and Early Career Scientist community? We are offering you the space here to showcase your achievements and tell us a little bit about yourselves. All we ask is for a short piece (no more than 500 - 600 words) telling us who you are and what you have done.

If you are interested in taking part please email [Jose Santos](mailto:jose.santos@clivar.org).



Name: Abu Reza Md. Towfiqul Islam  
Country: Bangladesh  
Towfiqul Islam holds PhD in Climate Change and Climate System from Nanjing University of Information Science and Technology, China, attained in 2017. His areas of interest are applied climatology and climate change related field. His current research area is on spatiotemporal variability of nature. [Read More...](#)



Name: Christian Dominguez  
Country: Mexico  
Christian got her PhD in Earth Sciences from the National Autonomous University of Mexico (UNAM, by its acronym in Spanish). She has studied tropical cyclones (TCs) and their response to interannual and decadal oscillations (ENSO, AMO and PDO) since she was a bachelor in Atmospheric Science. [Read More...](#)



Name: Ella Gilbert  
Country: UK  
Ella is a PhD student at the British Antarctic Survey and University of East Anglia in the UK. Her work focuses on the atmospheric processes that drive melt over the Larsen C ice shelf on the Antarctic Peninsula, a part of the world that is changing very rapidly. She is also passionate about communication. [Read More...](#)



Name: Joachim Ibeziako Ezeji  
Country:   
Dr. Joachim Ezeji received his PhD in 2013 on his thesis: "Increasing the resilience of water systems to extreme weather events" submitted to the School of Civil & Building Engineering, Loughborough University, United Kingdom. [Read More...](#)



*GC Sea Level/CLIVAR-FIO Summer School*

**Past, present and Future Sea level changes**

*25-30 June 2018, Qingdao-China*

**Goal:** The Summer School has the objective to provide early career scientists and engineers specializing in sea level research with an update in observations, knowledge, and understanding for the study of global and regional sea level change and their impacts in coastal areas.

**Scope:** This Summer School will cover a wide range of physical processes contributing to global and regional sea level change: from observations to modelling of the main physical processes of global and regional sea level rise and variability. In addition, there is a specific focus on impact studies in coastal areas.



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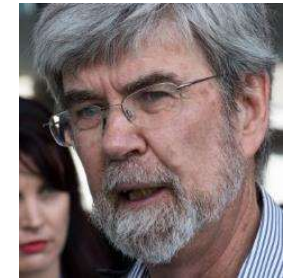


**Prof. Fangli Qiao**

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## How to connect Wi-Fi in FIO

1. Select the network named 'summer school'
2. Type the account and password in the below page:

**Account:** clivarodc

**Password:** summer2018



Account  Log in to your account

Password

3. Click 'Log in'.

- Agenda

## Trainee Reports

This training aims to help establish research networks, and identify possible areas of cooperation among trainees and their institutions. Report covering his/her main research focus, his/her institution's areas of work, and preliminary idea for cooperation with other countries in the region. (10 min)

<b>Date (17:30-18:30)</b>	<b>Name</b>	<b>From</b>
<b>Jun. 26</b>	Ms. Wu, Xiaofen	China
<b>Jun. 26</b>	Mr. Song, Chunyang	China
<b>Jun. 26</b>	Mr. Hermans, Tim	Dutch
<b>Jun. 26</b>	Ms. Quiroz Torres, Stefanny	Ecuador
<b>Jun. 26</b>	Dr. Indasi, Victor	Kenya
<b>Jun. 26</b>	Mr. Kim, Yongyub	Korea
<b>Jun. 28</b>	Mr. Dinapoli, Matias	Argentina
<b>Jun. 28</b>	Mr. Kemgang Ghomsji, Franck Eitel	Cameroon
<b>Jun. 28</b>	Ms. He, Yue	China
<b>Jun. 28</b>	Mr. Meyer, Elke	Germany
<b>Jun. 28</b>	Mr. Kharlamov, Pavel	Russia
<b>Jun. 28</b>	Dr. Sangmanee, Chalermrat	Thailand
<b>Jun. 29</b>	Mr. Parvez, Md. Sohel	Bangladesh
<b>Jun. 29</b>	Dr. Chen, Meixiang	China
<b>Jun. 29</b>	Mr. Mulualem, Getachew Mehabie	Ethiopia
<b>Jun. 29</b>	Mr. Jin, Hyunkeun	Korea
<b>Jun. 29</b>	Dr. Yusri, Yusup	Malaysia
<b>Jun. 29</b>	Ms. Stout, Rebecca Cleveland	USA

<b>1</b>	Mr. Ferrero, Bruno	Brazil
	Ms. Wu, Xiaofen	China
	Mr. Mulualem, Getachew Mehabie	Ethiopia
	Mr. Poh Heng, Kok	Malaysia
	Mr. Kharlamov, Pavel	Russia
	Mr. Ullala Pathiramage, Gayan Pathirana	Sri Lanka
	Dr. Suriyan, Saramul	Thailand
<b>2</b>	Mr. Dinapoli, Matias	Argentina
	Mr. Parvez, Md. Sohel	Bangladesh
	Mr. Li, Kai	China
	Mr. Song, Chunyang	China
	Ms. Ika Ratnawati, Herlina	Indonesia
	Dr. Yusri, Yusup	Malaysia
	Ms. Kuczynska Siehien, Joanna	Poland
<b>3</b>	Mr. Chowdhury, K M Azam	Bangladesh
	Dr. Ren, Qiuping	China
	Ms. Quiroz Torres, Stefanny	Ecuador
	Ms. Chanthasiri, Nuttida	Thailand
	Ms. Stout, Rebecca Cleveland	USA
	Dr. Nguyen Thanh Truong, Hoi	Vietnam
	<b>4</b>	Dr. Chen, Meixiang
Dr. Long, Xiaoyu		China
Dr. Jamshidi, Siamak		Iran
Dr. Indasi, Victor		Kenya
Ms. Cuellar-Ramirez, Palmira Consuelo		Mexico
Mr. Jeong, Sang-Hun		Republic of Korea
Dr. Sangmanee, Chalermrat		Thailand

<b>5</b>	Mr. Kemgang Ghomsi, Franck Eitel	Cameroon
	Ms. Wang, Jinping	China
	Dr. Zhang, Shouwen	China
	Mr. Hermans, Tim	Dutch
	Mr. Salama, Amr	Egypt
	Ms. Bilgera, Princess Hope	Philippines
	Mr. Kwon, Yeong-Yeon	Republic of Korea
	<b>6</b>	Mr. Jin, Yi
Mr. Cedeño, Jonathan		Ecuador
Ms. Jadhav, Jyoti		India
Dr. Kartadikaria, Aditya		Indonesia
Mr. Kim, Yongyub		Republic of Korea
Ms. Moldanova, Uliana		Russia
<b>7</b>		Mr. Sopheak, Thav
	Ms. He, Yue	China
	Mr. Cabrales Infante, Javier	Cuba
	Mr. Meyer, Elke	Germany
	Ms. Loarca, Andrea Lira	Spain
	Dr. Dada, Olusegun	Nigeria
	Mr. Jin, Hyunkeun	Republic of Korea

**Group Coordinator: By the end of today**  
[jose.santos@clivar.org](mailto:jose.santos@clivar.org)  
[odc\\_center@fio.org.cn](mailto:odc_center@fio.org.cn)

**Certificate for accomplishment: A certificate of accomplishment for each course will be issued to the trainees who complete at least 85% of the course**

**Best Trainee Award:** Four trainees will be selected according to their scores.

**Scoring criteria**

Items	Full Score	Addition or deduction
Attendance	40	<ul style="list-style-type: none"> <li>✘ Once late for class will reduce 1 score;</li> <li>✘ Absence from class for half day will reduce 3 scores;</li> <li>✘ Absence from class for a whole day will reduce 6 scores.</li> </ul>
Activity during training course	30	Active participation in the training course is strongly encouraged and will be considered to score this item.
Trainee Report	15	Evaluated by lecturers and all other trainees
Group Report presentation	15	Evaluated by lecturers and trainees in other groups <ul style="list-style-type: none"> <li>✓ Each member of this group will be scored based on the performance during the group presentation;</li> <li>✓ Participants who cannot present will be given the average score of the group.</li> </ul>

**MEETING REPORT**    **OPEN**

# Reflections on the CLIVAR Early Career Scientists Symposium 2016

Neil C. Swart<sup>1</sup>, Julius Busecke<sup>2</sup>, Gaby Langendijk<sup>3</sup>, Kevin A. Reed<sup>4</sup>, Sarah M. Kang<sup>5</sup>, Erik Behrens<sup>6</sup>, Ariane Frassoni<sup>7</sup>, Noel C. Baker<sup>8</sup>, Jonathan V. Durgadoo<sup>8</sup>, Victor N. Dike<sup>9</sup> and Debashis Nath<sup>10</sup>

We present a summary report of the CLIVAR Early Career Scientists Symposium, a three-day event associated with the CLIVAR Open Science Conference held in Qingdao, China during September 2016. The Symposium aimed to capture the ideas of early career researchers on pressing science priorities, imminent challenges, and emerging opportunities to help guide the future evolution of CLIVAR. We identified the need for improving process-based understanding and predictability of regional climate variability and change, moving toward seamless predictions, and improving and expanding global observations. We emphasize the need for increasingly open science, including universal access to data, code, and publications as well as opportunities for international cooperation and exchange. As the next generation of climate scientists, we are dedicated to overcome the challenges outlined in this summary and are looking forward to advancing CLIVAR's mission and activities.

*npj Climate and Atmospheric Science* (2018)1:6; doi:10.1038/s41612-018-0015-y

**INTRODUCTION**

Climate research is coordinated on the international stage by the World Climate Research Program (WCRP). The WCRP sets scientific goals and challenges for the community, coordinates scientific activities (e.g., the Coupled Model Intercomparison Project (CMIP)),<sup>1</sup> and facilitates scientific exchange and collaboration. CLIVAR (Climate and Ocean: Variability, Predictability, and Change), is one of four core projects within WCRP, and focuses on the role of the ocean within the climate system. The CLIVAR Early Career Scientists (ECS) Symposium was held at the First Institute of Oceanography, Qingdao, China, on 18 September and 24–25 September, 2016—the weekends bounding the CLIVAR

**PRESSING RESEARCH QUESTIONS AND GOALS**

The ECS identified the following research priorities: (1) improved understanding and predictability of regional climate variability and change, (2) improving process-based understanding, (3) seamless predictions, and (4) improved and expanded global observations.

While discussing regional climate prediction, we noted the importance of understanding the underlying dynamics and interactions of phenomena on timescales ranging from intraseasonal to multidecadal, with a particular emphasis on ENSO (El Niño Southern Oscillation), its changes, teleconnections, and relationship to climate extremes. The distinction between forced and natural variability, and the influence of anthropogenic forcing on