

# GEWEX Global Energy Water cycle Exchanges

Created by Gianpaolo Balsamo, last modified on Feb 18, 2017

## What is GEWEX?

**GEWEX** is a core component of the World Climate Research Programme **WCRP**, dedicated to surface-atmosphere interactions. His Scientific Steering Group (SSG) meets once a year and the 29th edition took place in the Southern most part of China, in the island of Sanya, between **5th and 10th of February 2017 (SSG-29)**. GEWEX is one of the 4 Science panels active within WCRP organisation (together with CLiC, CLIVAR, SPARC) and works in cooperation with 4 International Working groups (WGCM, WGRC, WGSIP, WGNE) and in cross-coordination with the World Weather Research Programme **WWRP**. GEWEX co-chairs are Graeme Stephens (JPL) and Sonia Seneviratne (ETH) and the 2017 **SSG-panel** counts on 11-members.



The meeting agenda for the the SSG-29 can be found here:

<http://www.gewexevents.org/gewex-ssg-29/agenda/>

The GEWEX SSG-29 had review one year of science and development for the 4 expert panels:

- [GEWEX Hydroclimatology Panel \(GHP\)](#)
- [Global Land/Atmosphere System Study \(GLASS\)](#)
- [GEWEX Atmospheric Boundary Layer Study \(GABLS\)](#)
- [GEWEX Data and Assessments Panel \(GDAP\)](#)

The highlights from perspectives of potential interests at ECMWF are reported with reference to the 4 expert panels.

## What is the focus of GEWEX activity?

**GHP** is looking after regional water cycle experiments involving dedicated campaigns and special observing periods. The ongoing work and perspectives for this panel is summarized in this figure with list of regional projects experiments:

## Contribution to GEWEX-SSG

The contribution to GEWEX SSG-29 included a presentation of ECMWF research (as one of the 3 new elected members for the SSG in 2017 I was asked to present my research areas and interest) on surface-atmosphere interactions within the IFS. The presentations/documents prepared are linked:

- A talk on ECMWF surface-atmosphere:

[https://www.dropbox.com/s/77e0fuk9z6nkgm1/GEXEX\\_SSG29\\_201702\\_ECMWF\\_Balsamo.pptx](https://www.dropbox.com/s/77e0fuk9z6nkgm1/GEXEX_SSG29_201702_ECMWF_Balsamo.pptx)

[https://www.dropbox.com/s/vbts1tvmvie2kdw/GEXEX\\_SSG29\\_201702\\_ECMWF\\_Balsamo.pdf](https://www.dropbox.com/s/vbts1tvmvie2kdw/GEXEX_SSG29_201702_ECMWF_Balsamo.pdf)

- A GEWEX SSG/IGPO review feedback:

[https://www.dropbox.com/s/7kutuxhlbpsfwd/GEWEX\\_panel\\_review\\_reflections.pptx](https://www.dropbox.com/s/7kutuxhlbpsfwd/GEWEX_panel_review_reflections.pptx)

[https://www.dropbox.com/s/8tebyojvbd665mp/GEWEX\\_panel\\_review\\_reflection\\_s.pdf](https://www.dropbox.com/s/8tebyojvbd665mp/GEWEX_panel_review_reflection_s.pdf)

- A rapporteur contribution for GDAP panel:

[https://www.dropbox.com/s/axbec7spa3ndx6c/GDAP\\_Report\\_SSG29\\_Draft\\_of\\_Rapporteurs\\_short.pdf](https://www.dropbox.com/s/axbec7spa3ndx6c/GDAP_Report_SSG29_Draft_of_Rapporteurs_short.pdf)

## List of Participant to SSG-29

Name	Organization
<i>Gab Abramowitz</i>	UNSW Australia
<i>Gianpaolo Balsamo</i>	ECMWF
<i>Qing Bao</i>	IAC CAS
<i>Joan Cuxart-Rodamilans</i>	U Balearic Islands
<i>Nathalie de Noblet</i>	CEA
<i>Michael Ek (Skype)</i>	NOAA/NCEP
<i>LawrenceHislop</i>	CliC, Cryosphere
<i>Branka Ivancan-Picek</i>	Croatian NMHS
<i>Sarah Jones</i>	DWD
<i>Boram Lee</i>	WCRP-WMO

