



Bolin Centre Newsletter

Number 6: Nov 2015

www.bolin.su.se

The Bolin Centre for Climate Research is a multi-disciplinary consortium of about 300 researchers led by Stockholm University that conducts fundamental research on the climate system. Founded in 2006, it involves collaboration between the Departments of Meteorology, Applied Environmental Science, Physical Geography and Quaternary Geology and Geological Science at Stockholm University together with FLOW at Royal Institute of Technology (KTH) and the Rossby Centre at the Swedish Meteorological and Hydrological Institute (SMHI). It also forges connections to other Swedish research institutions and to international research organizations.

According to the strategic plan of the Bolin Centre approved 19 May 2014, our mission is: *"To create and communicate fundamental knowledge about climate and the Earth system as part of an evolving global effort to understand and adapt to the Earth's changing climate."* A decision of the Board in the last section of the plan is noteworthy stating that: *"The Board, the Departments, SMHI and KTH are strongly committed to the continuation of the Bolin Centre and will continue to use the strategic (SFO) funds in the second 5-year period (to 2019) to finance the Centre in order to ensure its future."* **This strategic plan and the accomplishments of the programme between 2006 and 2014 resulted in a good outcome of the government review in late 2014 of the Centre as one of a number of Swedish Strategic Research Areas. It resulted in assurance of continued funding of the Bolin Centre from 2016 to 2020.**

Implementation of our research is through six multidisciplinary and cross departmental Research Areas (RA) with co-leaders:

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| 1. Oceans-atmosphere dynamics and climate | - A. de Boer, J. Nilsson, R. Caballero |
| 2. Clouds, aerosols, turbulence and climate | - A. Ekman, I. Riipinen |
| 3. Hydrosphere, cryosphere and climate | - J. Jarsjö, M. Hansson, C-M. Mörrth |
| 4. Biogeochemical cycles and climate | - C. Beer, V. Bruchert, Ö. Gustafsson |
| 5. Historical to millennial climate variability | - M. Kylander, Q. Zhang |
| 6. Orbital to tectonic climate variability | - H. Coxall, N. Kirchner, M. Steinthorsdottir |

The External Science Advisory Group chaired by Johannes Oerlemans (picture below) are joining us 17-20 November 2015 spanning the annual Bolin Days (Bolidagarna) science symposium 18-19 November. They are meeting with PhD students on 17 November 2015 and with the Board of the Bolin Centre on 2 November.

The External Science Advisory Group: 2015 In Action



2015 science achievements are summarized in the attached "Report from Bolin Centre Members on Achievements in 2015". Publications, successful grant applications, awards and outreach events are amongst the many achievements of our Members. We would like to thank leaders of the Research Areas (listed above) for their dedication to stimulating research and the many young researchers and graduate students who enthusiastically engage in cross-disciplinary climate and Earth system research and outreach. We would like to congratulate Professor Henning Rodhe, one of three founders of the Bolin Centre on winning the Volvo Environmental Price for 2015 (see the website for details).

Leonard Barrie
Director for Research

Alasdair Skelton
Director

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A collaboration between Stockholm University, KTH and the Swedish Meteorological and Hydrological Institute
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