



WORKSHOP ON REGIONAL CLIMATE MODELLING AND REANALYSIS WITH A FOCUS ON TIBET

Program

Organizer: Regional Climate Group, Department of Earth sciences, University of Gothenburg

Sponsors: Gothenburg Centre for Advanced Studies in Science and Technology, VR, STINT, MERGE

Location: Guldhedsgatan 5A, Gothenburg, Sweden

Date: 14 November, 2016

Registration: contact Deliang Chen (deliang@gvc.gu.se)

09:00-09:30 Welcome and introduction

Deliang Chen (deliang@gvc.gu.se), Regional Climate Group, University of Gothenburg

09:30-10:10 Reanalysis activities at ECMWF

Hans Hersbach (hans.hersbach@ecmwf.int), ECMWF, Reading, UK

10:10-10:20 Tea/Coffee

**10:20-10:50 Atmospheric overturning across multiple scales during the
CINDY/DYNAMO Campaign**

Xingchao Chen (xc18@nyu.edu) and Olivier Pauluis (op13@nyu.edu), Center for Prototype Climate Modeling, New York University in Abu Dhabi, Courant Institute of Mathematical Sciences, New York University

**10:50-11:20 Characteristics of a regional reanalysis and ERA-Interim over East Asia in
2013-2014**

Hyun Mee Kim (khm@yonsei.ac.kr), Department of Atmospheric Sciences, Yonsei University, Republic of Korea

11:20-11:50 The East Asia Regional Reanalysis Project of CMA

Xudong Liang (xdliang@camsma.cn), State Key Laboratory of Severe Weather, Chinese Academy of Meteorological Sciences

11:50-13:00 Lunch

13:00-13:30 High resolution limited area reanalyses, EURO4M and UERRA, at SMHI
Per Kållberg (per.kallberg@gmail.com), retired from SMHI/ECMWF, Sweden/UK

13:30-14:00 Important processes to be improved in WRF and validation basis for the atmospheric reanalysis in the Tibetan Plateau

KunYang (yangk@itpcas.ac.cn), Institute of Tibetan Plateau Research, Chinese Academy of Sciences

14:00-14:30 Limited-area ensemble-based data assimilation methods and a plan for Tibetan Plateau regional reanalysis

Fuqing Zhang (fzhang@psu.edu), Department of Meteorology and Department of Statistics, Pennsylvania State University (PSU), USA

14:30-14:45 Preliminary analysis on High-resolution simulation on southern TP

Changgui Lin (changgui.lin@gu.se), Regional Climate Group, University of Gothenburg

14:45-15:00 'A 12-year high-resolution climatology of atmospheric water transport over the Tibetan Plateau' by Curio, J. et al. 2015

Aifang Chen (aifang.chen@gu.se), Regional Climate Group, University of Gothenburg

15:00-15:20 Tea/Coffee

15:20-17:45 Discussion

18:00 Closing of the workshop

Contact persons:

Tinghai Ou (0763 464583), Peng Zhang (0736 594319), Aifang Chen (0722 780889),

Deliang Chen (0766 184813)