



Panta Rhei – Everything Flows
Change in Hydrology and Society
IAHS Scientific Decade 2013-2022
www.iahs.info/pantarhei

Summary of the activity of the Panta Rhei Working Groups – Year 2014

Panta Rhei Working Group: **Changes in Flood Risk**

Report of the activity of the working group in 2014

Two working group (WG) meetings were organised, one at EGU in April 2014 in Vienna, one at the EGU Topical meeting in December 2014 in Delft. As a result of the discussions during the first meeting, social-scientists were invited to join the WG, to address economic and social issues related to flooding and changes in flood risk. During the second meeting the planning of a joint case-study on changes in flood risk and its drivers on event level across countries was intensified. We envisage to undertake the case-study in 2015 and finalise the activity by writing a joint paper about the results.

(Co-)Organization of Workshop/Sessions:

Co-organisation of EGU topical meeting “Validation in Flood Risk Modelling” 9/10 Dec 2014, at Deltares, Delft, The Netherlands

Co-organisation of EGU session “HS2.4.4 Flood changes: understanding the drivers of hazard and risk” 12–17 Apr 2015, Vienna, Austria

Organisation of Session “Adaptation to changing flood risk” at the European Climate Change Adaptation Conference (ECCA) 12-14 May 2015, Copenhagen, Denmark

Proposal of Session “Detection and attribution of changes in flood risk” for the conference “Our Common Future Under Climate Change”, 7-10 JULY 2015, Paris, France

Paper:

S. Kienzler, I. Pech, H. Kreibich, M. Müller, and A. H. Thieken: After the extreme flood in 2002: changes in preparedness, response and recovery of flood-affected residents in Germany between 2005 and 2011, under review NHESS-D

Description of the opportunities provided by Panta Rhei

Benefits of the Panta Rhei working group are the following:

- Opportunity for cross country comparison case-study on the dynamics and changes in flood risk
- Intensification of international co-operation between hydrologists, engineers and social scientists, also to explore opportunities for joint research projects and synthesis publications
- Large basis for organising topical sessions at important conferences
- More visibility for organised sessions and joint papers via the Panta Rhei web-site

Suggestions for the future development of Panta Rhei

IAHS could organise specific Panta Rhei prizes e.g. for the annual best Panta Rhei specific paper, activity, scientist, etc.