

## Publication List

### Highlights

- Church, J A, G R Asrar, A J Busalacchi and C E Arndt (2009) Climate information for coping with environmental change: contributions of the World Climate Research Programme. In: Coping with Global Environmental Change, Disasters and Security. Brauch, H G, and 7 co-editors. Springer Verlag.
- Climate Research in Service to Society (2008) WCRP Accomplishment Report 2007-2008 (author & editor).
- Communicating climate research to decision makers (2007) In: Providing the Science for Climate Change Solutions. WCRP Annual Report 2006-2007, p. 9-16 (author & editor).
- Climate Information for Adaptation and Development Needs (2007) WMO publication No. 1025 (author & editor).
- NASA astronaut Piers Sellers' early career in WCRP (2007). In: WMO World Climate News No. 30, p. 11 (author & editor, available in EN and FR).
- Providing the Science for Climate Change Solutions (2007) WCRP Annual Report 2006-2007. (author & editor).
- New Futures: Building on Great Success (2006) WCRP Annual Report 2005-2006. (author & editor)
- A short history of a long success story (2006) In: New Futures: Building on Great Success. WCRP Annual Report 2005-2006, p. 10-15 (author & editor).

### Popular Science Articles/Newsletters

#### Feature science articles

- Predicting the future - A portrait of the World Climate Research Programme (WCRP), June 2009, Science and Technology.
- Predicting this centuries climate: A methodological challenge, 16.10.2008 – WCRP.
- More evidence for man-made changes in precipitation, 24.04.2008 – WCRP.
- Climate-and-cryosphere challenges in Canada, 15.04.2008 – WCRP.
- Welcome to the new Director of the WCRP Joint Planning Staff, 21.02.2008 – WCRP.
- Exploring the climate-and-tourism relationship, November 2007 - World Climate Programme (WCP).
- Scoping the WCRP International Monsoon Study, 11.09.2007 – WCRP.
- Global food production threatened by land degradation, September 2007 – WCP.
- WCRP scientist Dr Salio won the 2007 WMO Research Award for Young Scientists, 13.08.2007 – WCRP.
- Dr Sivakumar received the 2007 ASA International Service in Agronomy Award, August 2007 – WCP.
- Rescue and digitization of climate records, July 2007 – WCP.
- From VOCALS to action: Studying the mysteries of clouds and the ocean in the Southeast Pacific, 19.06.2007 - WCRP.
- Annual IMO Prize awarded to WCRP scientist Dr Shukla, 10.06.2007 – WCRP.
- New Book: Climate prediction for agriculture, June 2007 – WCP.
- Helping the world to cope with health impacts of severe heat waves, May 2007 – WCP.
- Climate services crucial for early warning of malaria epidemics, April 2007 – WCP.
- Challenges and legacies of international polar research, March 2007 – WCP.
- 2006 – ranking among record years, February 2007 – WCP.
- Under-ice lakes in Antarctica leak, 27.02.2007 – WCRP.

Sea-level on the rise, 02.02.2007 – WCRP.  
Experts urge to combat desertification, January 2007 – WCP.  
Adapting to climate change, October 2006 – WCP.  
Climate watches add value to weather watches, September 2006 – WCP.  
Predicting the predictability of climate, 22.08.2006 – WCRP.  
Antarctic ice drift governed by extra-tropical storm activity, 10.08.2006 – WCRP.  
Living with climate variability and change, July 2006 – WCP.  
Challenging experiments in the tropical Atlantic, 18.07.2006 – WCRP.  
2005 – a record-breaking year, June 2006 – WCP.  
West African monsoon in focus, 30.06.2006 – WCRP.  
Amazon's climate regime under change, 21.06.2006 – WCRP.  
Tropical cyclones in a warmer climate, 16.06.2006 – WCRP.  
Balloons on mission in the polar atmosphere, 09.06.2006 – WCRP.  
Cirrus clouds affect climate, 01.06.2006 – WCRP.  
Agriculture under stress, May 2006 – WCP.  
Floods in the Antarctic secret lake system, 11.05.2006 – WCRP.  
The globe in night-time fever, 03.05.2006 – WCRP.  
Cyclones in the Mediterranean, 20.04.2006 – WCRP.  
After widespread snowfall in Eurasia the rivers swell in Canada, 06.04.2006 – WCRP.  
Climatic trends in the atmosphere, 30.03.2006 – WCRP.  
Rate of global sea level rise increased during the 20<sup>th</sup> century, 23.03.2006 – WCRP.  
Floods in South America: More frequent and severe, 15.03.2006 – WCRP.  
The Sun delays ozone recovery, 08.03.2006 – WCRP.  
Predicting the predictability of climate, 28.02.2006 – WCRP.

### Websites

World Climate Research Programme <http://wcrp.wmo.int> website including over 40 web-pages (design & layout, maintenance 2006-2009).  
Research Department of the World Meteorological Organization <http://www.wmo.int/res> website including four web-pages (set-up & maintenance 2008-2009).  
Personal website <http://www.in-science.ch> (design & layout 2009).

### Newsletters

WCRP e-zine No. 1-13 (2006-2009): [http://wcrp.wmo.int/Newsletter\\_index.html](http://wcrp.wmo.int/Newsletter_index.html).  
WWRP eNews No. 1 (2008): [www.wmo.int/pages/prog/arep/wwrp/new/news\\_letters.html](http://www.wmo.int/pages/prog/arep/wwrp/new/news_letters.html).

### Exhibitions

Second Open Science Conference of the Earth System Science Partnership held in Beijing, China, 9-12 November 2006: conception & realisation of a 'common-look-and-feel' exhibition of the five Earth System Science Partners in the Beijing Conference Centre's central exhibition hall.

### Poster, flyers, banners

World Climate Research Programme's activities in China. Flyer, Chinese-English, August 2008.  
WMO Research Department: Joining Expertise. Flyer, August 2008.  
The THORPEX Interactive Grand Global Ensemble. Flyer, June 2008.  
WCRP Activities' Portfolio. Brochure, June 2008.  
World Climate Research Programme. Poster, November 2006.  
Earth System Science Partnership. Travel kit/banner, November 2006.

### Popular science articles [in German]

- NZZ (2007) Wie ein Stern im All: Das winterliche Leben auf Spitzbergen steht ganz im Zeichen der Polarnacht. Neue Zürcher Zeitung, 13. Dezember 2007, [http://www.nzz.ch/magazin/reisen/wie\\_ein\\_stern\\_im\\_all\\_1.598108.html](http://www.nzz.ch/magazin/reisen/wie_ein_stern_im_all_1.598108.html).
- Hochwasserschutz: Eine komplexe Herausforderung. Recherchiert für TagesAnzeiger, 09/2009
- Klima: Superdürre im Sahel? Mare – Magazin der Meere No. 75, 08/2009
- Flugverkehr: Algen im Tank. Mare No. 73, 04/2009
- Geografie: Antarktis hat gute Karten. Mare No. 72, 02/2009
- Wirtschaft: Energiekrise auf den Marschallinseln. Mare No. 70, 11/2008
- Paläontologie: Vom Fisch zum Vierbeiner. Mare No. 70, 11/2008
- Wissenschaft: Seegurke als Inspiration. Mare No. 68, 06/2008
- Archäologie: Steinzeitäxte aus der Nordsee. Mare No. 68, 06/2008
- Anthropologie: Jäger zu Bauern. Mare No. 66, 02/2008
- Umwelt: Kollision mit Walen. Mare No. 65, 12/2007
- Schifffahrt: Stress bei Seeleuten. Mare No. 63, 8/2007
- Architektur: Leben im Container. Mare No. 59, 12/2006
- Bildung: Studienplätze unter Wasser. Mare No. 57, 08/2006
- Schifffahrt: Seeluft mit Abgasen. Mare No. 56, 06/2006.

### Science & Research Articles

#### Research articles (peer-reviewed)

- Arndt, CE, Swadling, KM (2006) Crustacea in Arctic and Antarctic sea ice: Occurrence, diet and life strategies. *Advances in Marine Biology* 51: 198-315.
- Arndt, CE, Beuchel, F (2006) Life history and population dynamics of the arctic sympagic amphipods *Onisimus nansenii* Sars and *O. glacialis* Sars (Gammaridea: Lysianassidae). *Polar Biology* 29: 239-248.
- Fernandez-Leborans, G, Arndt, CE, Gabilondo, R (2006) Protozoan epibionts on the Arctic ice-amphipod *Gammarus wilkitzkii* from Spitsbergen (Norway). *Arctic, Antarctic and Alpine Research* 38(3): 343-356.
- Arndt, CE, Pavlova, O (2005) Origin and fate of ice fauna in the Fram Strait–Svalbard area. *Marine Ecology Progress Series* 301:55-66.
- Arndt, CE, Fernandez-Leborans, G, Seuthe, L, Berge, J, Gulliksen, B (2005) Ciliated epibionts on the Arctic sympagic amphipod *Gammarus wilkitzkii* as indicators for sympago-benthic coupling. *Marine Biology* DOI 10.1007/s00227-005-1599-4.
- Arndt, CE, Berge, J, Brandt, A (2005) Mouthpart-atlas of arctic sympagic amphipods – trophic niche separation based on mouthpart morphology and feeding ecology. *Journal of Crustacean Biology* 25: 401-412.
- Arndt, CE (2004) Ecosystem dynamics in Arctic sea ice: The impact of physical and biological processes on the occurrence and distribution of sympagic amphipods. PhD Thesis. University Centre in Svalbard and Norwegian College of Fishery Science, Norway.
- Arndt, CE (2001) Feeding ecology of the arctic sympagic amphipod *Gammarus wilkitzkii* – physiological, morphological and ecological studies. Diploma Thesis. Zoological Institute and Museum, University of Hamburg, Germany, in cooperation with the University Centre on Svalbard, Norway.

#### Books, proceedings, reports (not peer-reviewed)

- Church, JA, Asrar, GR, Busalacchi, AJ, Arndt, CE (2009) Climate information for coping with environmental change: contributions of the World Climate Research Programme. In: *Coping with*

Global Environmental Change, Disasters and Security. Brauch, HG, Spring, UO, Mesjasz, C, Grin, J, Kameri-Mbote, P, Chourou, B, Dunay, P, Brikmann, J (eds.). Springer Verlag.

Arndt, CE, Lønne, O J, Gulliksen, B, Berge, J (2009) Sea-ice fauna. In: Kovacs, K, Gulliksen, B (eds.) Ecosystem Barents Sea.

Arndt, CE (2002) Feeding ecology of the Arctic sympagic amphipod *Gammarus wilkitzkii* – physiological, morphological and ecological studies. Report on Polar Marine Research 405, 74 pp.

Arndt, CE, Lønne, OJ (2002) Transport of bioenergy by large scale Arctic ice drift. In: Ice in the Environment: Proceedings of the 16<sup>th</sup> IAHR International Symposium on Ice, Dunedin, New Zealand.

Fetzer, I, Arndt, C (2000) Marine biology of the Kara Sea: Zooplankton. Berichte zur Polarforschung 360, 37-45.