



World Climate Research Programme Director's Report

Ghassem R. Asrar
Director, WCRP



Programme and Project Offices Update



Major Activities Since JSC-32:

- conferences/meeting/events
- major reports



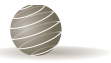
WCRP Budget for 2011 and 2012



Activities Planned for 2012/2013



Some Statistics on Communication Venues



WCRP Secretariat is located in Geneva, Switzerland.

Ghassem Asrar

Director

Valery Detemmerman

Senior Scientific Officer

Vladimir Ryabinin

Senior Scientific Officer

Michel Rixen

Senior Scientific Officer

Roberta Boscolo

Communication/Scientific Officer

Teresa Alcober

Administrative Assistant

Anne Chautard

Administrative Assistant

Isabel Hall

Secretary

Catherine Michaut

*French Support Unit
located in Paris*



ICPO Secretariat is located in Southampton, UK.

Catherine Beswick

Acting Director

Carlos Ereno

Science Officer, located in Buenos Aires

Nico Catalbiano

Science Officer

Anna Pirani

Science Officer, located in Trieste

Christina Thompson

Administrative Assistant

Xiaohui Tang

Science Officer, located in Qingdao



CliC Secretariat is located in Tromso, Norway.

Jenny Baeseman
Director

Heidi Isaksen
Office Assistant



IGPO Secretariat is located in Silver Spring, USA.

Peter J. van Oevelen
Director

Sam Benedict
CEOP International Coordinator

Dawn P. Erlich
Assistant to Director

Richard G. Lawford
Advisory Staff

Shannon Macken
Administrative Officer

Paul D. Try
Advisory Staff

Yuping Yan
Chinese Coordinator, Located in China

Robert A. Schiffer
Advisory Staff



SIPO Secretariat is located in Zurich, Switzerland

Johannes Staehelin
Director

Anke Witten
Administrative Officer

Fiona Tummon
Science Officer

Diane Pendlebury
Science Officer located in Toronto

Carolyn Arndt
Communication Officer

-  **WCRP- GCOS Workshop on the Evaluation of Satellite-Related Global Climate Datasets**
18-20 April 2011, Frascati ITALY
-  **YOTC International Science Symposium and 8th AMY International Workshop**
16-19 May 2011, Beijing CHINA
-  **Tropical Climate Variability with Focus on Last Millennium, Mid-Holocene, and Last Glacial Maximum, 21-23 September 2011, Villefranche s/mer FRANCE**
-  **CORDEX-Africa Analysis Workshop, 21-23 November 2011, Cape Town S. AFRICA**



WCRP Open Science Conference: Climate Research in Service to Society

24-28 October 2011, Denver USA



Registered Participants:

- **1907 from 86 countries**
- **541 Early Career Scientists & Students**
- **332 from Developing Countries**



CMIP5 Analysis Workshop 5-9 March 2012, Honolulu USA



WCRP CORDEX South Asia Planning Meeting 25-26 February 2012, Pune INDIA



**Workshop on Stratospheric Sudden Warming and
its Role in Weather and Climate Variations**
22-24 February 2012, Kyoto JAPAN



SPARC Workshop on the Brewer-Dobson Circulation
25-29 June 2012, Grindelwald SWITZERLAND



Polar Climate Initiative Workshop
2-4 April 2012, Toronto CANADA



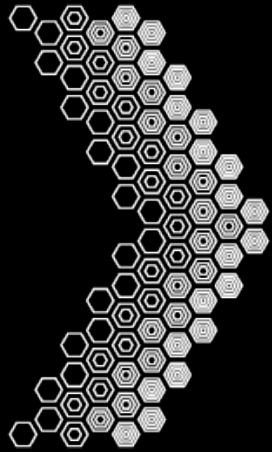
4th International Reanalysis Conference
7-11 May 2012, Washington DC USA



Global Drought Information System Workshop
11-13 April 2012, Frascati ITALY



www.planetunderpressure2012.net



PLANET UNDER PRESSURE

2012 MARCH 26-29
LONDON

NEW
KNOWLEDGE
TOWARDS
SOLUTIONS



GLOBAL
IGBP International
CHANGE Geosphere-Biosphere
Programme



And their Earth System Science Partnership



May 2011: 18th Session of CLIVAR SSG, Paris
FRANCE



September 2011: 14th Session of WGSIP, Trieste
ITALY



October 2011: 27th Session of WGNE, Boulder USA
15th Session of WGCM, Boulder USA



November 2011: 24th Session of GEWEX SSG, Rome
ITALY



February 2012: 19th Session of SPARC SSG, Zurich
SWITZERLAND



March 2012: 8th Session of CliC SSG, Innsbruck
AUSTRIA



June 2012: 19th Session of CLIVAR SSG, La Paz
MEXICO

Sponsored Students and Early Career Scientists in 2011 - 2012

	Africa	Americas	Asia	Europe	Oceania
ECS 2011	11	41	16	30	4
Students 2011	3	27	10	20	5
ECS 2012	4	14	1	4	
Students 2012	1	2	1	2	
Total	19	84	28	56	9

**Total 196
Students and ECSs**

WCRP

World Climate Research Programme

Publications

SWIPA 2011 Executive Summary

SNOW, WATER, ICE AND PERMAFROST IN THE ARCTIC

AMAP

SPARC No. 5
WCRP-132, WMO/TD-No. 1526
SPARC Report on the Evaluation of Chemistry-Climate Models

STRATOSPHERIC PROCESSES AND THEIR ROLE IN CLIMATE

SPARC

A PROJECT OF THE WMO/ICSU/IOC
World Climate Research Programme

WCRP



SPARC Report on the Evaluation of Chemistry-Climate Models

June 2010

Prepared by the SPARC Chemistry-Climate Model Validation Activity Group under the auspices of the SPARC Scientific Steering Group

Edited by V. Eyring, T. G. Shepherd and D. W. Waugh

WCRP - 132
WMO/TD No. 1526
SPARC Report No. 5



World Meteorological Organization
Global Ozone Research and Monitoring Project - Report No. 52

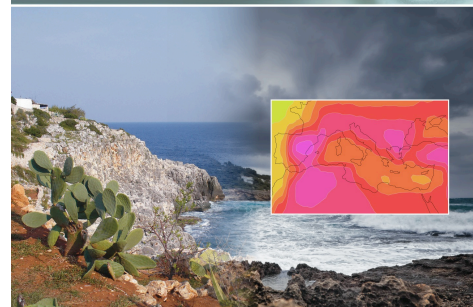
SCIENTIFIC ASSESSMENT OF OZONE DEPLETION: 2010



National Oceanic and Atmospheric Administration
National Administration and Space Administration
United Nations Environment Programme
World Meteorological Organization
European Commission



ELSEVIER INSIGHTS



THE CLIMATE OF THE MEDITERRANEAN REGION

FROM THE PAST TO THE FUTURE

Edited by
ERO LIONELLO

WCRP

THE GLOBAL MONSOON SYSTEMS

Monsoon rainfall is the life-blood of more than half the world's population, for whom agriculture is the main source of subsistence. Extensive research is being conducted to increase our understanding of monsoons, predictability, improve the accuracy of predictions, and refine projections of the impact of man-made climate change on monsoonal systems worldwide. This has the potential to provide significant socio-economic returns by maximizing the benefits of monsoon rainfall and reducing the impact of extreme events such as those witnessed during the northern hemisphere summer monsoon of 2010 in Pakistan, China, and India, and the southern hemisphere summer monsoon of 2011 in Australia.

OVERVIEW

Traditionally, the terminology "monsoon" was used for climate that has an apparent seasonal shift of prevailing winds between winter and summer, notably in tropical Asia, Australia, Africa, and the Indian Ocean. The term also increasingly refers to regions where there is a clear alternation between winter dry and summer rainy seasons. According to this definition, the monsoon region is distributed globally over all tropical continents, and in the tropical oceans in the western North Pacific, eastern North Pacific, and the southern Indian Ocean. Monsoon systems represent the dominant variation in the climate of the tropics with profound local, regional, and global implications.

MONSOONS FACT SHEET



Figure 1: The approximate global monsoon precipitation domain is here defined where the local summer-minus-winter precipitation rate exceeds 2.5 mm/day and the local summer precipitation exceeds 55% of the annual total (filled) during any individual year, it is possible for the monsoon to affect a broader area than shown here. Summer denotes May through September for the northern hemisphere and November through March for the southern hemisphere. The dry regions, where the local summer precipitation is less than 1 mm/day are hatched, and the 200m height contour surrounding Tibetan Plateau is shaded. The merged Global Precipitation Climatology Project/Climate Prediction Center Merged Analysis of Precipitation precipitation data were used. These observations are based on rain gauge data over land and satellite data over the oceans. The regional monsoons are the North American monsoon (NAM), North African monsoon (NAM), Indian monsoon (IM), East Asian monsoon (EAM), Western North Pacific monsoon (WNP), South American monsoon (SAM), South African monsoon (SAP), and the Australian monsoon (AUS). This figure kindly provided by Prof. Bin Wang.

WCRP REPORT

World Climate Research Programme

ACTION PLAN FOR WCRP RESEARCH ACTIVITIES ON SURFACE FLUXES

Action Plan for WCRP Research Activities on Surface Fluxes

January 2012

WCRP Informal/Series Report No.01/2012

WCRP REPORT

World Climate Research Programme



GLOBAL CLIMATE OBSERVING SYSTEM

Evaluation of Satellite-Related Global Climate Datasets

Meeting Report

WCRP Observation and Assimilation Panel (OAP)

Report of WCRP Workshop on Evaluation of Satellite-Related Global Climate Datasets
Frascati, Italy, 18-20 April 2011

December 2011

WCRP Informal Report No. 33/2011
GCOS Publication No. GCOS-153

WMO

IOC



JCRF FUNDS FOR 2010-2012 (CHF)

	2010	2011	2012 est
BALANCE BROUGHT FORWARD	1,400,000	1,559,000	1,657,000
WMO	1,864,200	1,875,600	1,863,000
ICSU	522,000	523,000	588,000
IOC	132,800	48,000	TBD
Open Science Conference		700,000	
TOTAL INCOME	2,519,000	3,146,000	2,451,000
TOTAL FUNDS AVAILABLE	3,919,000	4,705,000	4,108,000

JCRF EXPENDITURES 2010-2012 (CHF)

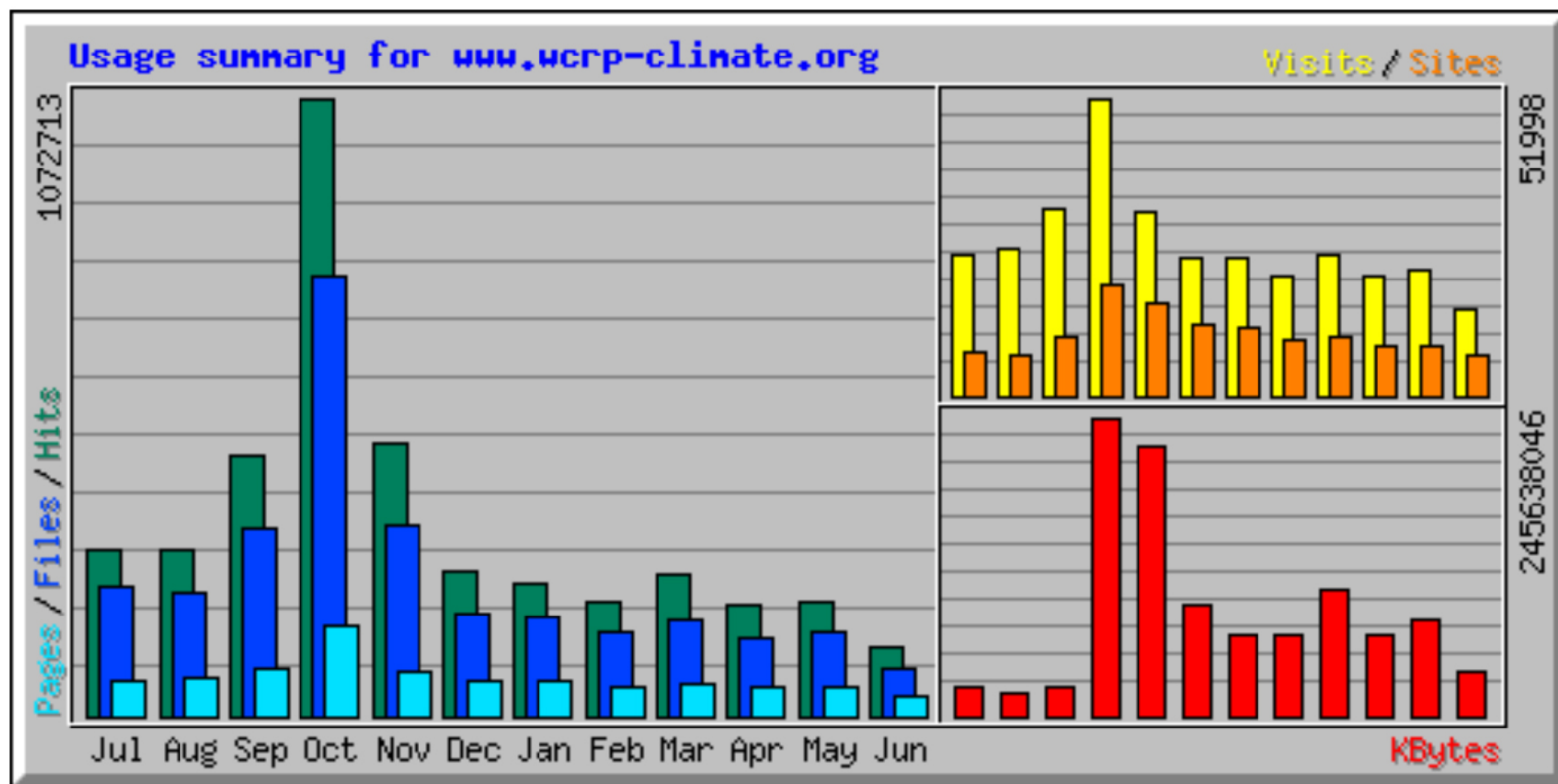
	2010	2011	2012 est
SALARIES AND RELATED COSTS	1,409,000	1,389,000	1,731,500
OPERATING EXPENSES	120,000	136,000	131,500
ACTIVITIES SUPPORT	598,400	1,040,000	807,000
TOTAL EXPENDITURES	2,127,400	2,565,000	2,670,000

Project Offices Funding 2009-2012 (USD)

		2009	2010	2011	2012 est
GEWEX	USA	637,000	674,000	697,000	675,000
CLIVAR	UK	266,000	302,000	302,000	300,000
	USA	95,000	160,000	160,000	187,000
	ICPO Total	361,000	462,000	462,000	487,000
SPARC	WCRP			21,500*	21,000
	Switzerland			312,000	405,000
	Canada	270,000	247,000	325,000	127,000
	Total	270,000	247,000	659,000	553,000
CLIC	Norway	208,000	215,000	(no staff costs) 8600	234,000
Paris	France	152,000	152,000	152,000	152,000
TOTAL		1,698,000	1,750,000	1,978,600	2,101,000

*communication officer

Usage Statistics for www.wcrp-climate.org July 2011 – mid June 2012 Summary by Month



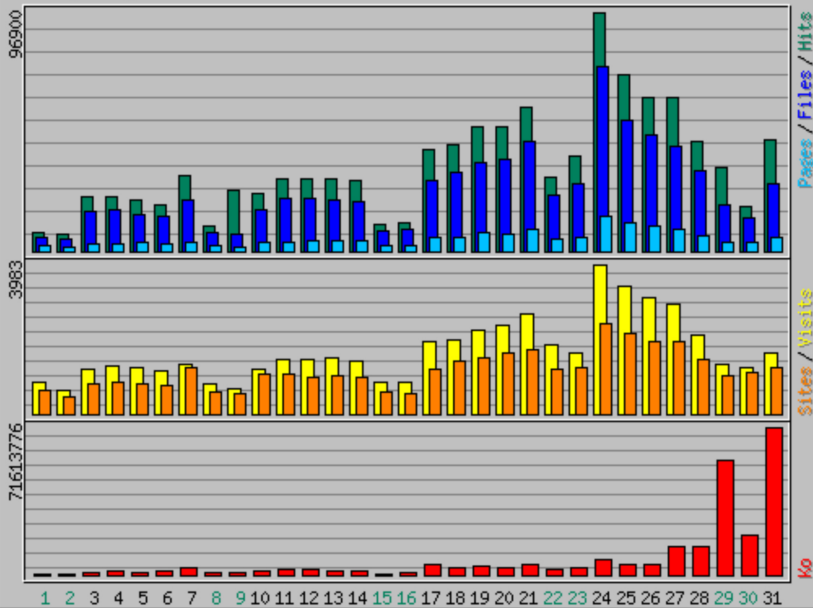


www.wcrp-climate.org

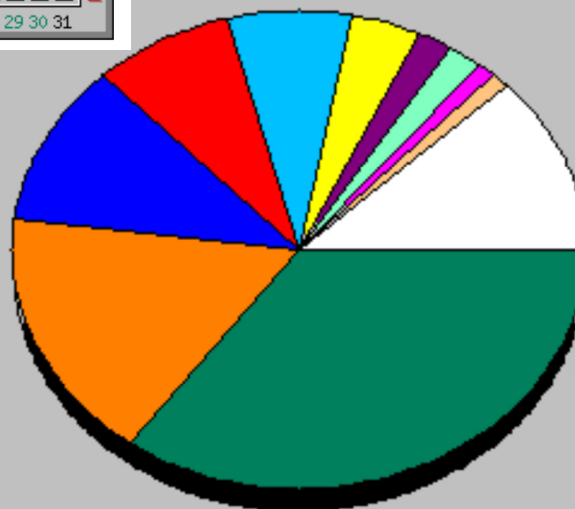
October 2011

Summary of Daily Usage and Usage by Countries

Daily usage for October 2011



Country for October 2011



Unresolved/Unknown (35%)

Network (17%)

US Educational (11%)

US Commercial (8%)

US Government (7%)

Japan (4%)

Germany (2%)

United Kingdom (2%)

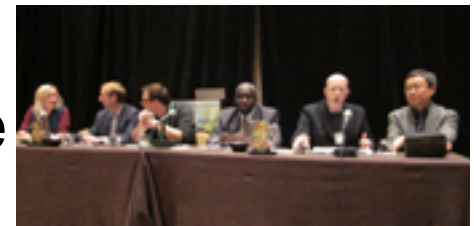
France (1%)

Canada (1%)

Other (12%)

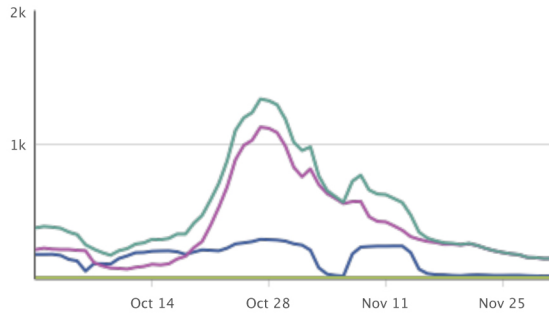
WCRP Open Science Conference

- Media Advisories, Key Stories, Press Conferences and Releases prior to the Conference
- Interviews during the conference - more than 2000 viewers in YouTube
- Daily highlights and Advisories during the Conference
- Active FaceBook and Twitter posting ~ 500 followers
- Special Event on Communicating Climate Science to the Media and Public
- Several Articles in the media worldwide and in specialized magazines (Nature, Science etc..)

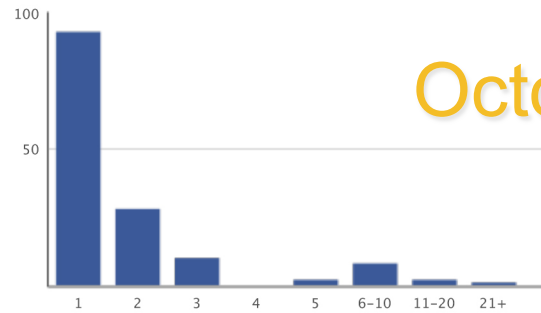


Reach?

☒ Organic? ☒ Paid? ☒ Viral? ☒ Total?



Unique Users by Frequency?



OSC Facebook
October-November 2011
530 likes

Visits to Your Page

Export Data

Who You Reached (Demographics and Location)

Gender and Age?

Female	45.1%	0.7%	6.3%	17.4%	9%	6.3%	2.1%	3.5%
		13-17	18-24	25-34	35-44	45-54	55-64	65+
Male	54.2%	1.4%	4.2%	24.3%	10.4%	8.3%	2.8%	2.8%

Countries?

- 53 United States of America
- 10 Taiwan
- 8 India
- 7 Argentina
- 6 Canada
- 6 Germany
- 6 Japan

More ▾

Cities?





- 9 taipei
- 5 stony brook
- 3 seoul
- 3 pasadena
- 3 moscow
- 3 tampa
- 2 new york

More ▾

Languages?

- 85 English (US)
- 15 English (UK)
- 10 Spanish
- 8 Traditional Chinese (Taiwan)
- 7 French (France)
- 4 Japanese
- 4 German

More ▾

-  WCRP support for high priority climate science activities is steadily growing.
-  Support for Regional Climate Science and Information is gaining momentum.
-  Core Projects are doing an excellent job at engaging and supporting their respective network of scientists.
-  WCRP financial status is sound, and continue to improve.