

FIRST MEDCLIVAR WORKSHOP RECONSTRUCTION OF PAST MEDITERRANEAN CLIMATE

PROGRAMA

Sede de la Olavide en Carmona
9 al 11 de noviembre de 2006

JUEVES 9 DE NOVIEMBRE

9:00 –9:30 Welcome and introduction to the workshop

P. Lionello, Universidad de Lecce. (Italia). **Ricardo García-Herrera**,
Universidad Complutense de Madrid.

9:30-10:15 **Presentation 1:**

A review of Mediterranean Climate Variability Over The Last Centuries.

J. Luterbacher. University of Bern. (Suiza)

Session 1:

Climate data in the Mediterranean Area: unexplored archives, documentary and early instrumental records.

Chair persons: **Ricardo García-Herrera**, Universidad Complutense de Madrid. **Pedro Ribera**, Universidad Pablo de Olavide.

10:15 Presentation of session

10:30-10:50 **J.M. Vaquero**. Universidad de Extremadura

Arabic chronicles: an unexplored source for the reconstruction of past Mediterranean climate

10:50-11:10 **J.A. Añel**. Universidad de Vigo.

Historical reports of cyclones for A Guarda (Spain) and comparison with instrumental data.

11:10-11:40 Coffee-break

11:40-12:00 **F.S. Rodrigo**. Universidad de Almería.

Medical topographical studies: an unexplored source of climate data in the Iberian Peninsula during the 18th and 19th centuries.

12:00-12:20 **Dennis Wheeler**. University of Sunderland. Reino Unido.

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*Fine scale resolution climate data for the Mediterranean 1680 to 1850:
the case for Royal Navy logbooks.*

- 12:20-12:40 **Natalia Calvo.** Universidad Complutense de Madrid.
A reconstruction of the Cadiz climate for the first half of the 19th century
- 12:40-13:00 **Dario Camuffo.** CNR-ISAC. (Italia).
*Potential of the Italian documentary sources concerning climate and
extreme events in the last millennium: some example*
- 13:00-13:20 **Pascal Yiou.** CEA. (Francia).
*The OPHELIE project: a climatological database since the Little Ice
Age in France from historical and phenological observations.*
- 15:30-15:50 **Mariano Barriendos.** Departamento de Historia Moderna. Universidad
de Barcelona.
Historical climatology in Spanish research context
- 15:50-16:10 **Maurizio Maugeri.** Istituto di Fisica Generale Applicata. Milan
University and Istituto di Scienze dell'Atmosfera e del Clima-CNR.
(Italia).
*Availability and quality of Italian secular meteorological records and
consistency of still unexploited early data.*
- 16:10-16:30 **Olivier Mestre.** Ecole Nationale de la Météorologie, Météo-France.
(Francia).
*Sources of ancient data in former French colonies around the
Mediterranean Basin.*
- 16:30-16:50 **Serhat Sensoy.** Turkish State Meteorological Service. Turquía.
Unexplored sources of Turkish climate data.
- 16:50-17:20 Coffee break
- 17:20-17:40 **R. Boehm.** Austrian Met. Central Institute for Meteorology and
Geodynamics. (Austria).
*Report on availability, quality and the still unexploited potential of early
instrumental data in the Adriatic Realm*
- 17:40-18:00 **Ingeborg Auer.** Central Institute for Meteorology and Geodynamics.
(Austria).
*Report on past and ongoing data recovery and rescue activities in the
Adriatic and Tyrrhenean Realm*

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18:00-18:20 **Rob Allan.** Hadley Centre, Met Office. (Reino Unido).

*Atmospheric Circulation Reconstructions over Europe (ACRE):
Mediterranean atmospheric pressure series from the 18th century.*

VIERNES 10 DE NOVIEMBRE

9:30 –10:15. **Presentation 2:**

Hot spots for data recovery/proxy series reconstruction in the Med area

R. Trigo. Universidad de Lisboa. (Portugal)

Session 2:

Natural proxies.

Chair persons: **P. Lionello,** Universidad de Leche (Italia). **J.**

Luterbacher University of Bern. (Suiza)

10:15 Presentation of session

10:30-10:50 **David Barriopedro.** Universidad Complutense de Madrid.

NAO signatures in southwestern Iberian tree-rings.

10:50-11:10 **Silenzi.** ICRAM. (Italia).

High resolution natural archives provide new tools for climate reconstruction and monitoring in the Mediterranean area

11:10-11:40 Coffee break

11:40-12:00 **Joan O. Grimalt.** Institute of Chemical and Environmental Research (CSIC)

Unravelling the last 1000 yr record of sea surface temperatures in the western Mediterranean using alkenones

12:00-12:20 **F. Abrantes.** INETI - Dept. Marine Geology, National Institute for Engineering, Technology and Innovation. (Portugal).

Proxy calibration to instrumental dataset: Implications for paleoceanographic reconstructions.

12:20-12:40 **Miryam Bar-Matthews.** Geological Survey of Israel. (Israel)

Climate change in the eastern Mediterranean (EM) region during glacial-interglacial cycles as a basis for understanding future climate change in the (EM).

12:40-13:00 **J.E. Ferguson.** Department of Earth Sciences, University of Oxford. (Reino Unido)



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Seasonal-resolution climate records in mollusc shells from Gibraltar

- 13:00-13:20 **Lidia Romero Viana.** Universidad de Valencia.
Reconstruction of winter rainfall until 1568 AD from calcite laminated sediment Lake La Cruz (Cuenca, Spain)
- 15:30-15:50 **Matthew D. Jones.** School of Geography, University of Nottingham. (Reino Unido).
Reconstructing past eastern Mediterranean climate from varved lake sediments.
- 15:50-16:10 **B. Hamdi Aïssa.** C.R.S.T.R.A; Laboratoire de Protection des Ecosystèmes en Zones Arides et Semi-Arides; Laboratoire de Biogéochimie des Milieux Désertiques Université de Ouargla. (Argelia).
Records of natural climatic changes in the Sahara Desert soils.
- 16:10-16:30 **T. Rodrigues.** Marine Geology Department, INETI, (Portugal); Institute of Chemical and Environmental Research, C.S.I.C.
Marine Isotope Stage 11 (MIS 11): analogies to the Holocene on the Portuguese Margin.
- 16:30-17:45 Coffee-break with Posters, authors in attendance:
M. Prom (Área de Climatología. Servicio Meteorológico de Cataluña), **M. Genesca**, (Observatori del Ebre. URL-CSIC), **C. Martín-Puertas** (Universidad de Cádiz), **D. Patón** (Universidad de Extremadura), **J. Vegas** (Instituto Geológico y Minero de España), **van Engelen** (KNMI. Holanda), **Mayte Rico** (Instituto Pirenaico de Ecología. CSIC), **F. J. Jiménez Espejo** (CSIC-Universidad de Granada).

SÁBADO 11 DE NOVIEMBRE

- 9:30-10:15 **Presentation 3:**
Modelling paleoclimates of the Mediterranean region and comparing model results with reconstructions: the experience of the Last Glacial Maximum climate
M. Kageyama. LSCE/IPSL, France
- Session 3:**
Interaction between modellers and past climate data collectors



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Chair persons: **X. Rodo**, Universidad de Barcelona. **J. F. González-Rouco**, Universidad Complutense de Madrid.

- 10:15 Presentation of session
- 11:00-11:20 **Christoph C. Raible**, Climate and Environmental Physics, Physics Institute, University of Bern, (Suiza)
Mean and Extremes in Mediterranean Cyclone Characteristics and Precipitation: Past, Present and Future.
- 11:20-11:40 **Eduardo Zorita**, GKSS Research Center, (Alemania).
Externally forced climate variability in the North Atlantic-European sector in two millennium simulations with the model ECHO-G
- 11:40-12:10 Coffee break
- 12:10-12:30 **J.P. Montávez**, Universidad de Murcia.
A long regional climate simulation over the Iberian Peninsula for the period 1500 to 2100 AD.
- 12:30-12:50 **J. Guiot**, CNRS/Université Paul Cézanne. (Francia).
The Mediterranean drought fluctuation during the last 500 years: a tree-ring/climate model approach
- Session 4:**
Open discussion on post workshop initiatives
Chair persons: Conveners
- 15:00-17:00 Topics of discussion (among others):
Conclusions
Report
Network “Past regional variability” in the Mediterranean region
Project Proposals
- 17:00-17:30 Coffee break
- 17:30-19:00 Session continued

3 de noviembre de 2006

Conveners/ Organizers:

R. García-Herrera (U. Complutense, Madrid)
J. Luterbacher (U. Bern)
C. Kull (PAGES)
P. Lionello (U. Lecce)
X. Rodó (U. Barcelona)
J. F. González- Rouco (U. Complutense, Madrid)
C. Zerefos (NOA)
P. Ribera Rodríguez (U. Pablo de Olavide Seville)
R. Touchan (U. Arizona)

Local Organisers:

P. Ribera Rodríguez (U. Pablo de Olavide, Seville)
D. Gallego (U. Pablo de Olavide, Seville)
C. Peña (U. Pablo de Olavide, Seville)