

# MEDARE purpose, current status and challenges

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By Manola Brunet

Chair of the WMO/MEDARE Initiative

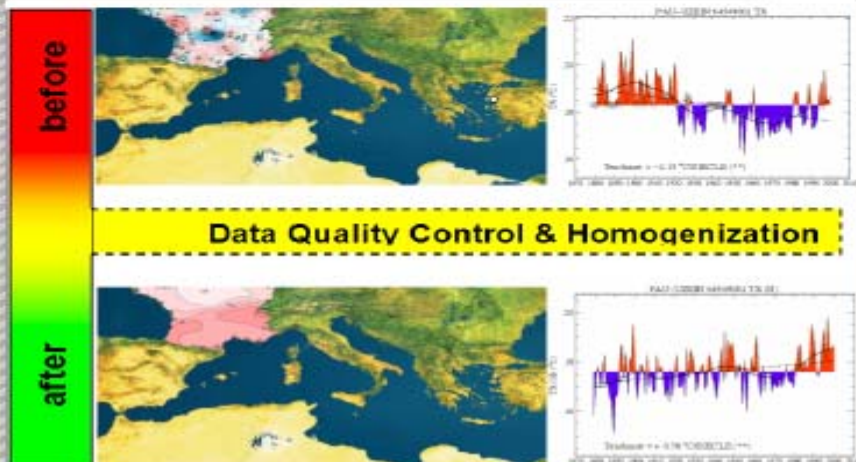
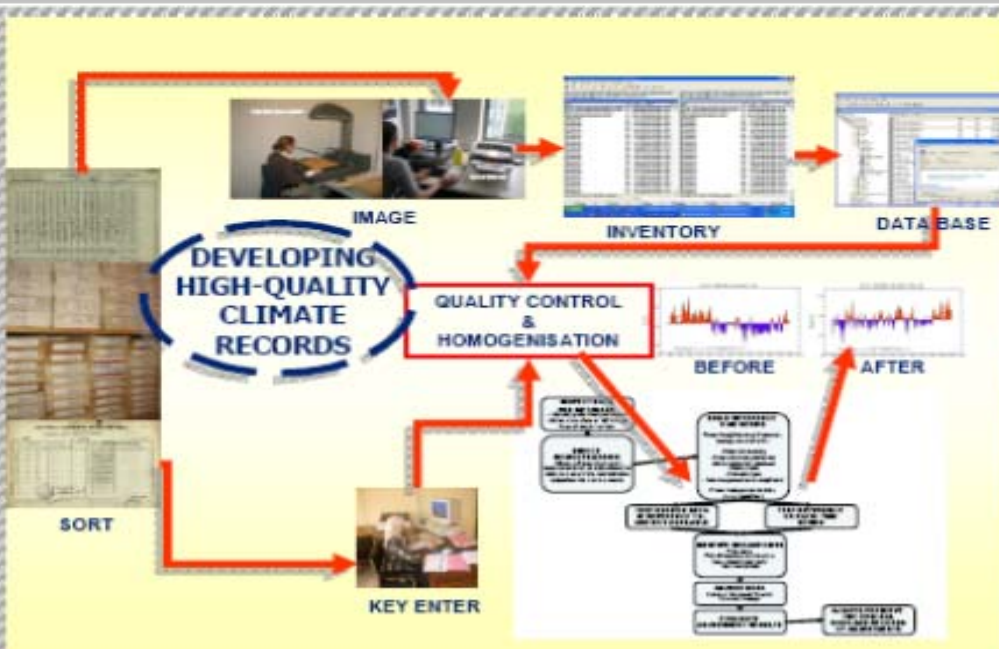
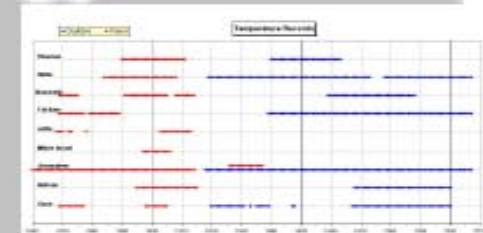
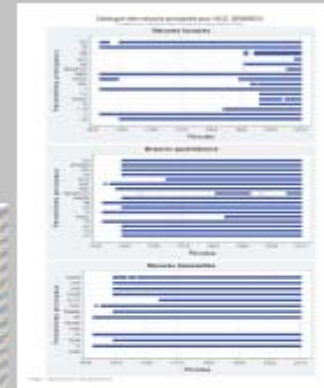
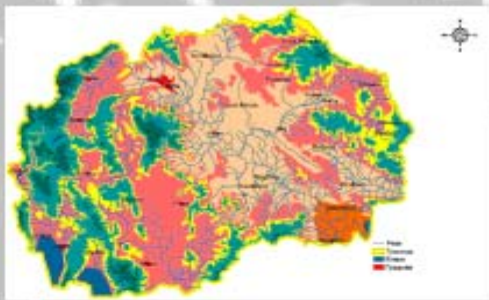
Centre for Climate Change (C3),  
Director, URV, Tarragona, Spain

# Outline

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- Recalling the need, the aims and the “MEDARE” recipe
- Progress made since the last meeting in Cyprus
- MEDARE current status and challenges

# WHAT MEDARE IS?



# MEDARE: The need...

Long and rich history in monitoring the atmosphere, going back in time several centuries in some countries and at least to the mid-19th century across much of the GMR

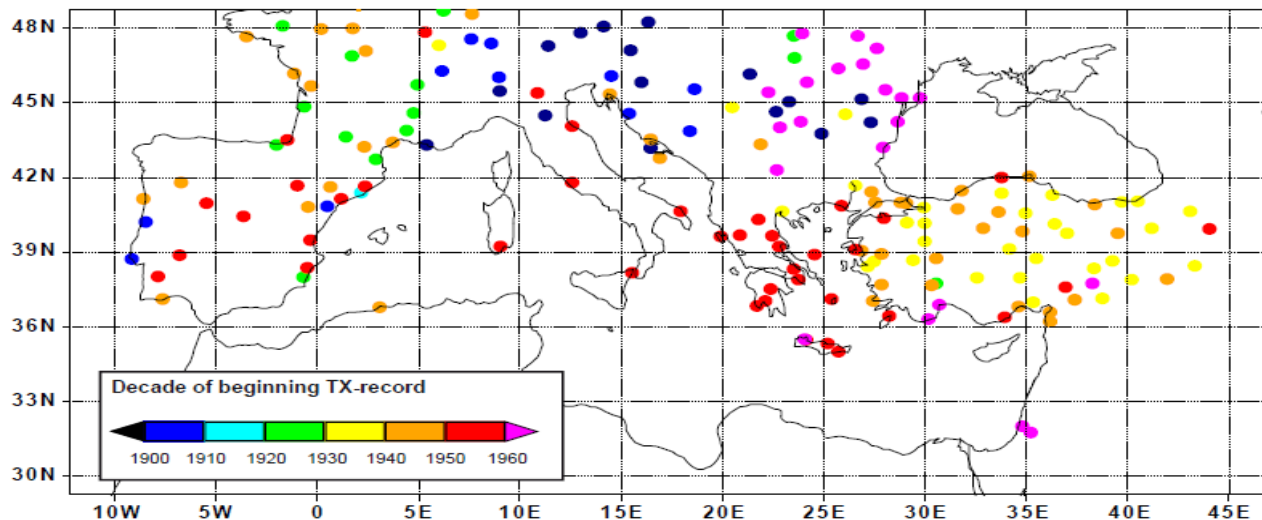
However, limited availability and accessibility of long and high-quality climate series:

- For short periods (e.g. from 1960s onwards)
- Poor spatial coverage, especially over southern and south-eastern countries or
- Have not quality enough

This is hampering progress on our capability to detect, predict & adapt the countries to the impacts of climate variability & change & is limiting the timely delivery of climate products and services



Oldest data source in the Algerian NMHS archive. *Courtesy of Mehdi Kerrouche*



From Kuglitsch et al. (2009) study

# MEDARE: End goal and objectives

WMO  
**MEDARE**  
initiative



DÜNYA METEOROLOJİ ÖRGÜTÜ (WMO) AKDENİZ VERİ KURTARMA GİRİŞİMİ:

## MEDARE

### GEREKÇE:

Akdeniz'in atmosferini düzgün görüntülemek ve küresel iklim değişkenliği ve değişimi ile onun kırılgan Akdeniz sosyo-ekosistemine etkisini, belirlemek, tahmin edebilmek ve daha iyi anlayabilmek ve bütün bu

- Bölgesel İklim Modeli simülasyonlarından elde edilen tahminler ile aletsel iklim verisini birleştirerek iklim değişikliği senaryoları geliştirmek
- 1948 öncesine kadar uzatılmış tarihsel re-analiz verisine girdi sağlamak

# The MEDARE “recipe”:

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# Progress made since the last two years

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- Besides other dissemination and coordination (e.g. ECA&D, ISTI, ISPD, ACRE, DARECLIMED) activities:
  - Updating and maintaining the MEDARE web-site for linking the MEDARE Community
  - Defining, implementing and populating the MEDARE Metadata Base (<http://app.omm.urv.cat/urv>) with country and research projects metadata on long and key Mediterranean Climate records: about 620 sites documented for mainly TX/TN and RR (SLP) at daily (sub-daily)
  - Designing the “query” for accessing to the metadata (still password protected...)
  - Paving the way for MEDARE becoming a WMO/WIS Data Collection and Production Centre (DCPC)
  - Undertaking DARE activities over North Africa and Middle East countries under the opportunity that brought us the EU EURO4M project and in cooperation with NMHS in these areas

# The MEDARE Metadata Base: contributions & access

**MEDARE**  
initiative

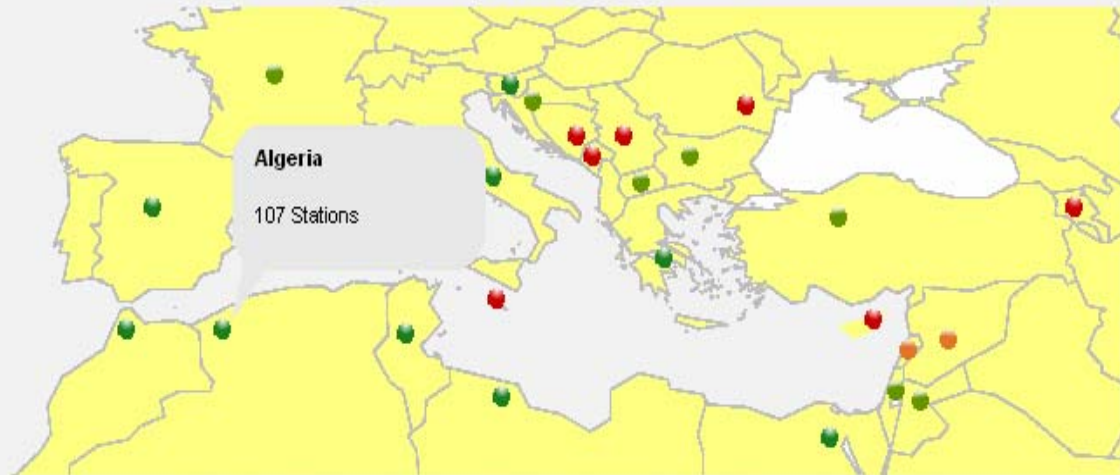
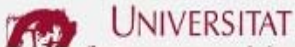


user:

password:

enter

Works with IE 8  
or Mozilla Firefox



● No Metadata ● Metadata for  $\leq 6$  stations ● From 7 to 15 stations ●  $\geq 16$  stations

**WMO**

**MEDARE**



# The MEDARE Metadata Base: easy access and users

AI





























































Country:

 Stats |  Config

17:16:23 19 Mar 2012 to 13:17:22 20 September, 2012 [narrow range](#)

- Summary
- Hourly
- Popular Pages
- Entry Pages
- Exit Pages
- Came From
- Keyword Analysis
- Recent Keyword Activity
- Recent Came From
- Search Engine Wars
- Exit Links
- Exit Link Activity
- Downloads
- Download Activity
- Visitor Paths
- Visit Length
- Returning Visits
- Recent Pageload Activity
- Recent Visitor Activity
- Recent Visitor Map

[Country](#) | [State/Region](#) | [City](#) | [ISP](#)

Country					
241 Hits		48.20%	Spain		
51 Hits		10.20%	Syrian Arab Republic		
33 Hits		6.60%	France		
27 Hits		5.40%	Libya		
15 Hits		3.00%	Italy		
13 Hits		2.60%	Switzerland		
10 Hits		2.00%	Slovenia		
9 Hits		1.80%	Satellite Provider		
7 Hits		1.40%	Romania		
6 Hits		1.20%	Poland		
6 Hits		1.20%	United Kingdom		
6 Hits		1.20%	Cyprus		
5 Hits		1.00%	Korea, Republic Of		
5 Hits		1.00%	Jordan		
5 Hits		1.00%	Greece		
4 Hits		0.80%	Serbia		
4 Hits		0.80%	Tunisia		
4 Hits		0.80%	Chile		
4 Hits		0.80%	Croatia		
3 Hits		0.60%	Belgium		

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1

2

3 (Last)

# MEDARE as WIS/Data Collection and Production Centre (DCPC): steps taken & status

wisp.meteo.fr:8080/openwis-user-portal/srv/en/main.home

☆ ↕ 🇮🇹 Google



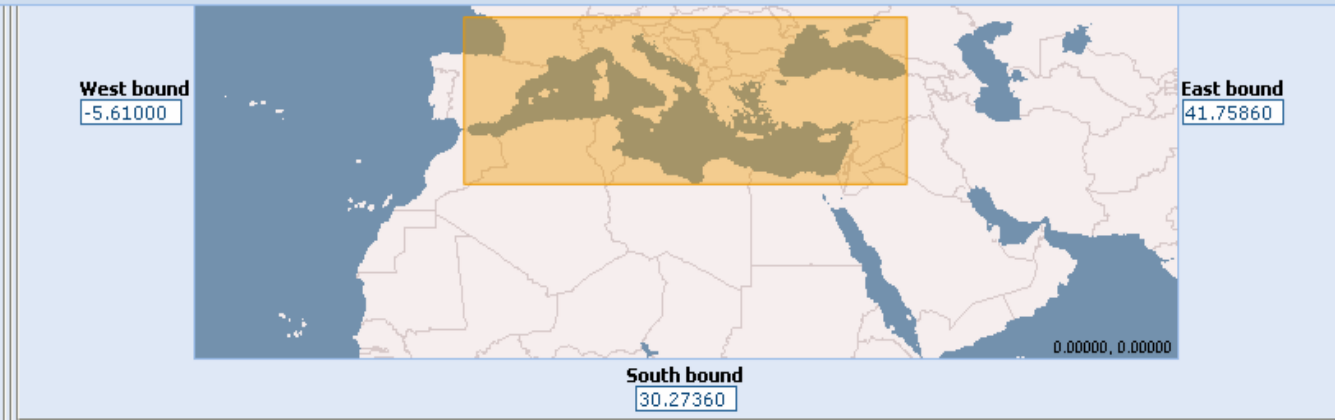
**GISC METEO FRANCE**  
Global Information System Center for Western Europe



English

List of variables for each station from Medare

View - Simple



Distribution Information

Transfer options

OnLine resource <http://app.omm.urv.cat/urv/>

Reference System Information

Code WGS 1984

Data quality info

Hierarchy level **Dataset:** Information applies to the dataset

Metadata

File identifier urn:x-wmo:md:int.medare::C3

Metadata language English

Character set **UTF8:** 8-bit variable size UCS Transfer Format, based on ISO/IEC 10646

Date stamp 2012-09-14T12:06:24

What's New

■ Draft Stop-Gap metadata generated for

constanta.boroneant

wisp.meteo.fr:8080/openwis-user-portal/srv/en/main.home# LDZM

# Looking for funding opportunities...

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- ❑ Submission of COST-Action proposals: the European NETworking on innovative and integrated DATA REscue methods and procedures (EUNetDARE)  
Proposal References: oc-2011-2-10374 and oc-2012-1-12047
  - Good marks, but didn't go through
- ❑ Taken the idea agreed in the last MEDARE meeting of offering a DARE component in any national, regional and international research project proposal: E.g. The opportunity that brought us the EU-FP7 funded European Observations and Reanalysis for Monitoring (EURO4M) at the regional scale → rescuing/developing long records for key location in southern and south-eastern Med
- ❑ National activities (to learn from country presentations)

# MEDARE current status

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- ❑ Managing and updating the MEDARE Metadata Base
- ❑ Undertaking DARE activities over southern and south-eastern Mediterranean countries under the opportunity brought by EURO4M
- ❑ Other funding opportunities: the DARE-SEE project and (hopefully) a future follow-up of EURO4M
- ❑ Paving the way for MEDARE becoming a DCPC
- ❑ Starting to develop the MEDARE Climate Data Base: this meeting purpose...

# MEDARE challenges

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- ❑ Organizational:
  - SG rotation (later on the 2nd day)
  - How to get the 4 WGs better involved, coordinated and more actives when we are a multi-country initiative?
  - Need to get more members involved in managing MEDARE, the C3 only can't manage adequately all the potential activities
- ❑ Funding constrains:
  - MEDARE is not a regularly funded network... WMO provides funds for meetings, as well as some NMHS (e.g. AEMET for the first meeting)
  - Need for a funded networking scheme (e.g. COST proposals submissions, but not yet succeeded)
  - Need for promoting DARE components in any research proposal submitted to national, European, international and other funding opportunities
- ❑ Defining and managing the MEDARE Data base: this meeting some expectable outcome on this
- ❑ Training on DARE techniques: C3 keen on offering trainers and assistance on DARE, but need for funding
- ❑ Keeping momentum for DARE in the GMR

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Thanks!

TeseKurier!