



# **Regional Workshop on NEAMTWS**

**Contribution of the European  
Commission, within the Union Civil  
Protection Mechanism framework, to the  
UNESCO's effort to set up the NEAMTWS**

***Rabat, Morocco, 23-24 September 2014***

Olimpia Imperiali  
European Commission - DG ECHO  
Emergency Response Unit



**....we will speak....**

*DG ECHO & the Union Civil Protection Mechanism*

*Emergency Response Coordination Centre (ERCC)*

*Our contribution to build the NEAMTWS*

# Civil Protection within DG ECHO

**ECHO A**  
**Strategy, Policy,  
International Cooperation**

**A1 Strategy, Coordination  
and Inter-institutional Relations**

**A2 Information and  
Communication**

**A3 Policy and Implementation,  
Frameworks**

**A4 Specific Thematic Policies**

**A5 Civil Protection Policy,  
Prevention, Preparedness and  
Disaster Risk Reduction**

**ECHO B**  
**Humanitarian Aid and  
Civil Protection Operations**

**B1 Emergency Response**

**B2 Central Africa,  
Sudan, Chad**

**B3 East, West and Southern  
Africa, Indian Ocean**

**B4 European Neighbourhood,  
Middle East,  
Central and SW Asia**

**B5 Asia, Latin America,  
Caribbean, Pacific**

**ECHO C**  
**Resources, Partnerships and  
Operational Support**

**C1 Human resources,  
Security,  
Document Management**

**C2 Budget, Audit,  
Informatics**

**C3 Finance, Legal Affairs,  
Partner support**

**C4 Field network,  
Transport and Logistics**

# Civil Protection at European level

The Union **Civil Protection Mechanism (UCPM)** was established in 2001.

It covers **prevention, preparedness and Response.**

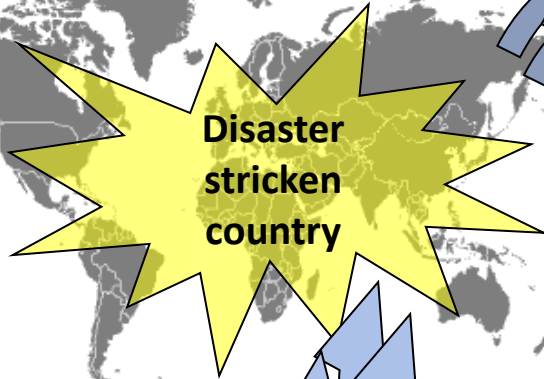
**32 states** (28 EU MS + Iceland, Liechtenstein, Norway, The Former Yugoslavian Republic of Macedonia)

The operational heart is the **Emergency Response Coordination Centre (ERCC)**





European  
Commission



**Disaster  
stricken  
country**

**Request for assistance**

**Acceptance / rejection of  
assistance offered  
Information update**

**Offer of assistance**

**Deployment of EUCPT**

**Coordination of Transport**



**ERCC**

**Activation of the Mechanism**

## ERCC Main Functions

1. Operational heart of the UCPM mandated to facilitate the coordination of Member States Civil Protection assistance during major emergencies
2. In-house coordination platform
3. Enhanced coordination hub for the whole Commission



**One of the ERCC main task is therefore the provision of timely relevant and reliable information**

## ...To provide timely, relevant and reliable information the ERCC....

- uses different **Information tools**
- count on:
  - several **detection and alerting tools**, developed in cooperation with the Joint Research Centre (JRC)
  - **Scientific and Analytical support team**





# Information Tools

## CECIS: Common Emergency Communication and Information System




## ERCC Portal

## Website: [www.europa.eu/echo](http://www.europa.eu/echo)



## ECHO Daily Flash



European Commission | Humanitarian Aid and Civil Protection

### ECHO DAILY FLASH

23/01/2013

**I. International**

**Mozambique – Floods (UN, OCHA, AFP, IRIN, Local Media)**

- Continuous heavy rainfall in Mozambique over the past 10 days has caused flooding in 19 districts across the country. As of 22 January 9 people had died and at least 18,000 were affected, mostly in the central-western province of Manica, the southern province of Gaza and around the capital Maputo. Around 3,000 houses have been damaged, as well as roads, drainage and power infrastructure. At least 6,000 people are reported displaced and housed in shelters, mostly around Maputo.
- On 22 January the government declared an institutional red alert in the central and southern regions, as rivers in the Incomati and Limpopo basins flow above critical level. According to Disaster Management Officials quoted in the media, 55,000 people in the Chokwe district in Gaza are at risk of flooding and evacuations have started in the area.

## ECHO Crisis Reports

## European Commission | Humanitarian Aid and Civil Protection

### Central African Republic crisis ECHO CRISIS REPORT

SITREP N°3

**Period covered:** 20/12/2012 to 04/01/2013  
**Time of validity:** 06:00 (UTC)

**ECHO Field Office:** Bangui

**IDPs in CAR (OCHA):** Accurate numbers are not currently available. However it can be estimated that more than 100,000 people are displaced. Accurate figures should be available as soon as the ROM have conducted their assessments next week. More than 300,000 people are living in the conflict-affected areas.

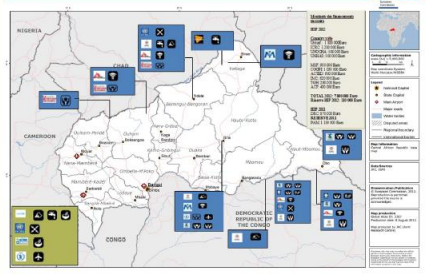
**Number of Central African refugees in Chad:** 65,000 (UNHCR);

**Number of Central African refugees in Cameroon:** 85,000 (UNHCR);

**Number of Central African refugees in DR Congo:** 6,500 (including 2,500 new refugees linked to the current crisis).

### 1. Map

#### CENTRAL AFRICAN REPUBLIC MAP



### 2. ECHO Recommendations / action

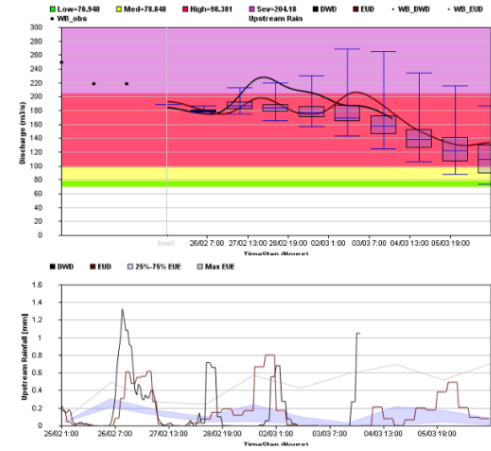
- Strengthen humanitarian coordination, leadership and decision-making.



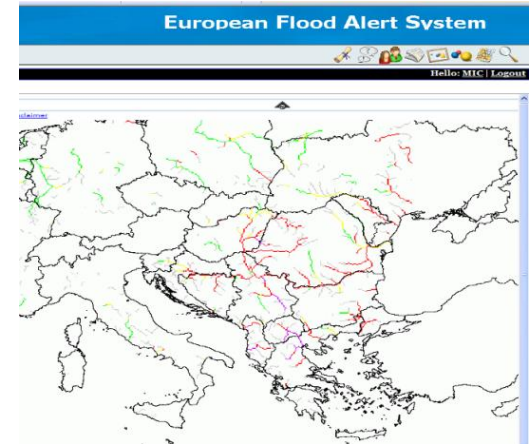
# Detection and alerting tools



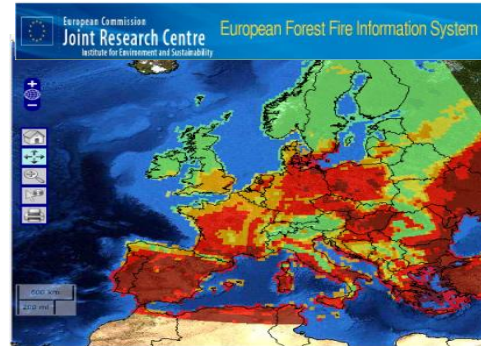
**GDACS:** Global Disaster Alert And Coordination System



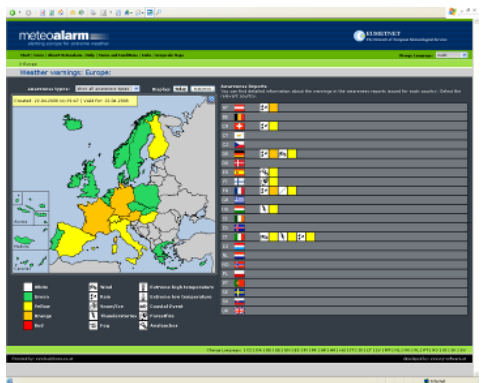
**EFAS - European Flood Awareness System:** Floods forecasting and Flood alerts



**EFFIS – European Forest Fire Information System:** Fires forecasting



## Weather monitoring





## ...regarding the setting up of the NEAMTWS, the UCPM contributed to:

### **NEAMWAVE14**

**Setting up of 3 new tidal gauges in Greece and 2 in Portugal**

**Setting up of the Global tsunami informal monitoring service (GTIMS)**

**NEAMTIC Project** that focus on actions aimed at public awareness dissemination of good practices fostering linkages between the European Commission and the IOC on intergovernmental and transnational actions.

**NEARtoWARN Project** that aims to develop a prototype of a local tsunami system applicable in areas threatened by near-field tsunami (travel time less than 30 minutes). It focus in the test area of Rhodes Island, which was a test area in Transfer project funded under FP6.

## ...furthermore...

### **Development of Tsunami Analysis Tool (TAT)**

**Development of Tsunami Alerting Device (TAD)** to alert people on the beach.

Collaboration agreement with several countries for the use of the Tsunami Analysis Tool and scenario matrix (from JRC) and exchange of seismic/sea level data (from the countries): Portugal, Greece, Romania, Spain ,Turkey, Maroc and Israel (in discussion).

### **Improvement of the Tsunami Calculation Grid**

Together with Portugal definition of a **new calculation matrix**, as well as of a **new bathymetry**, for the North Atlantic

### **Creation of a back up Sea Level Database**



## Last but not least we have co-financed 2 full-scale Exercise to enhance disaster management system in case of tsunami

**EU POSEIDON 2011** – Scenario: an earthquake at sea, near Crete island, replicating a real one in antic time, affecting Herakion and Chania municipalities.

**EU TWIST 2013** – Scenario: landslide detaching from the submerged "Palinuro" volcano in southernThyrrenian Sea will result in a tsunami wave affecting the coastal areas of southern Campania, Basilicata and northern Calabria regions.



# THANK YOU!

## EUROPEAN UNION



Humanitarian Aid and Civil Protection