

# Spanish Cooperation Program on Western Africa NMHSs

1<sup>st</sup> Conference of Ministers responsible for Meteorology in Africa

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## WHY A SPANISH METEOROLOGICAL COOPERATION PROGRAM ?



People! Major objective of NMHSs

## WHY A SPANISH METEOROLOGICAL COOPERATION PROGRAM ?



- Safety of lives and properties, (monitoring and warnings)
- Welfare of a national sustainable society (climatic data, forecasting and climate services)

facilitating to make decisions by relevant elements of the society.

But spite these important goals.

- Limited human resources, equipments, communications networks
- Need for trained professionals

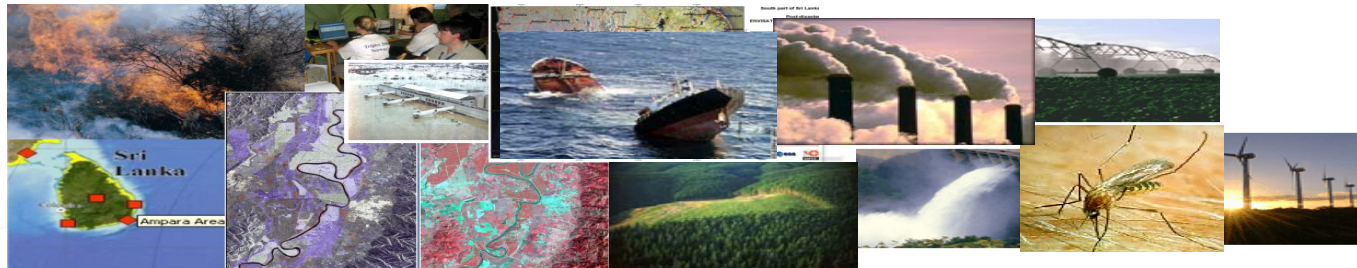
# Spanish Cooperation Program in West Africa

- The Context
- The Goal
- The Strategy
- Results and Banjul Action Plan 2010
- Conclusions

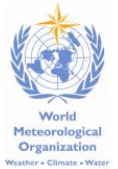


## THE CONTEXT

- Unbalanced responsibilities and resources for African Met Services recognized
- Spanish *“Plan Africa 2009 - 2012”*
- Active role of AEMET to get funds for meteorological purposes
- Consolidated experience on cooperation in Latin America
- Increasing relationships West Africa - Spain



## THE GOAL



Enhance the capacity of the NMHSs of West African countries and **provide** them with the **relevant tools** that will allow them **to contribute** to the **sustainable development** of their respective countries, particularly in relation to maritime safety, fisheries, health, adaptation to climate change and, disaster prevention and mitigation and food security and to enhance their delivery of essential products and services to the various socioeconomic sectors



## THE STRATEGY



- Partnership with WMO
- Proposal to the NMHS Directors of:  
Benin, Burkina Faso, Cap Vert, Côte d'Ivoire, Gambia, Ghana, Guinea, Guinea Bissau, Liberia, Mali, Mauritanie, Niger, Nigeria, Sénégal, Sierra Leone, Togo
- Conference of WA NMHS Directors
- Secretariat of the Conference  
AEMET/WMO
- Economical support  
Spanish Trust Fund in WMO

## THE STRATEGY



## Conference of Directors of West Africa NMHS



1. Outcome: Declaration and Action Plan
2. Plan consolidation. Economical proposal
3. Actions endorsement, administrative and technical activities performed
4. NMHS focal points to report Project Managers
5. Project Managers to report WMO RAF and WACP Coordinator (AEMET)
6. WACP Coordinator report (AEMET) to Conference of Directors of WA NMHS





# Conference of WA NMHS Directors outcome

- Declaration
- Plan
  - List of Line of Actions granulated to actions
- Actions
  - Feasibility, well defined
  - Responsible identified
  - Scheduled

## Relevant aspects of WACP

- Driven by the Conference of WA NMHS Directors
- Seed money:
  - Cost effective projects
  - Focused on Capacity Building
- Limited investment, following WMO procedures
- Balanced among partners (as far as possible)
- Cooperative with Regional, and International Organizations

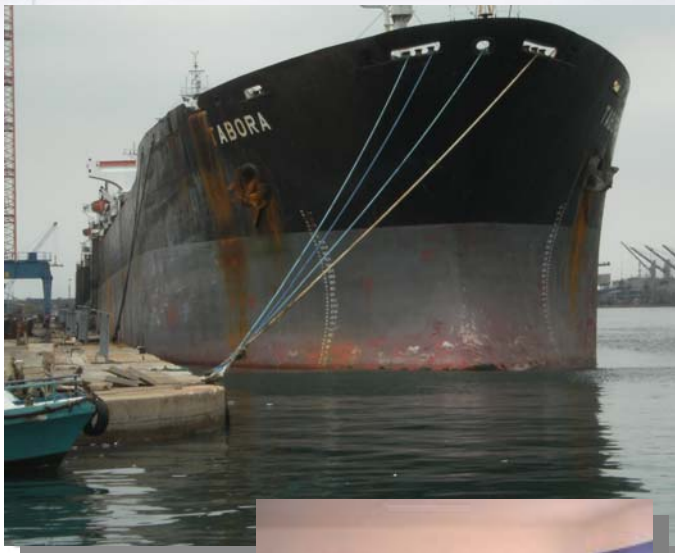
## THE STRATEGY



Aemet  
Agencia Estatal de Meteorología



World  
Meteorological  
Organization  
Weather • Climate • Water



## Actions Lines



## Technical Capacity building

- Core activities of NMHSs
- Applied meteorology projects



## Managerial Capacity building

- Program Monitoring



# Technical Capacity building

- Core activities of NMHSs:
  - Observation / telecommunication network
  - Weather monitoring (Nowcasting)
  - National Climate Change Reports
- Applied meteorology projects
  - MARINEMET (Marine safety and fishery)
  - METAGRI (Agriculture)
  - HEALTHMET (Health)

# Managerial Capacity building

- Strength NMHS :
  - Management practices improvements (Strategic plans...)
  - Mobilisation Resources Initiatives
  - Marketing / visibility increase of NMHSs
  - Others

## WACP, and beyond

- WACP: seed money
- Capacity building: focused on people's skills. "Goods cannot be capacitated"
- Mobilisation resources techniques to be applied
- Additional funds needed for skipping from Pilots Project to Operational Services

## RESULTS and BANJUL ACTION PLAN 2010

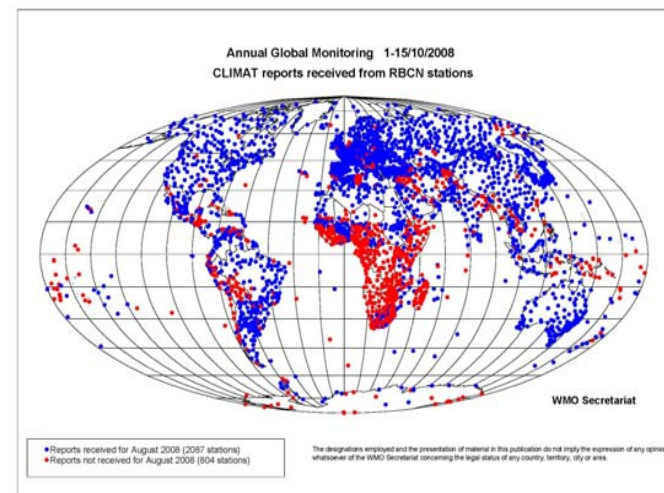




## Action 1.1 (Banjul)

# Data collection: Telecommunications network improvements

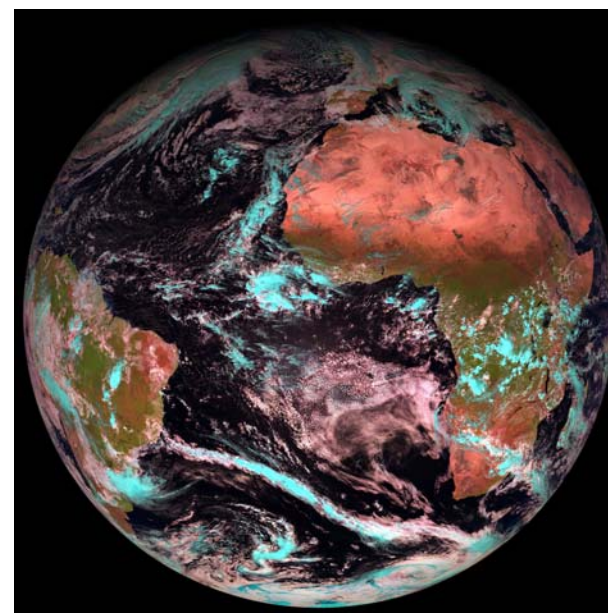
- **Current Telecommunication Network Analysis**
- **Consultancy on proposed improvements**
- **Preliminary implementations/ Support to Mobilization Resources activities**



## Action 1.2 (Banjul)

# Training on Satellite Product interpretation and usage

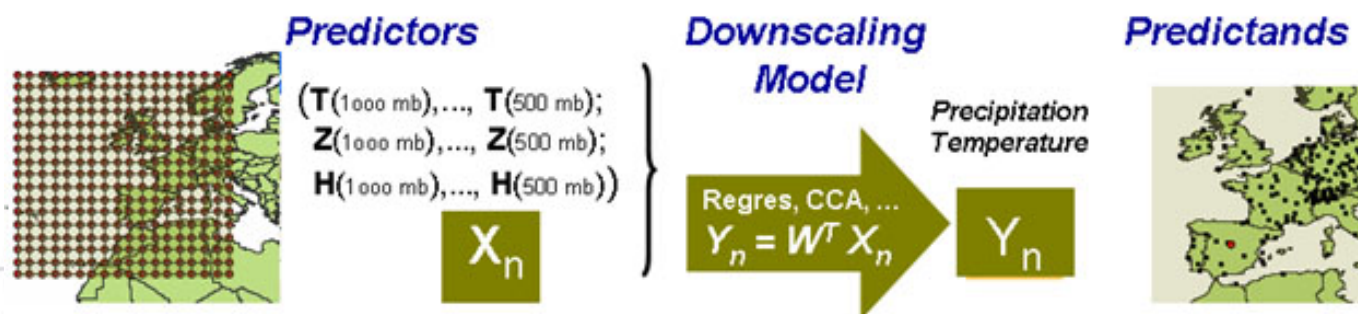
- Nowcasting techniques
- Aerosol products
- Partnership with EUMETSAT



## Action 1.3 and 1.4 (Banjul)

# Capacity Building on National Climate Change Reporting and NWP

- To provide policy-makers with objective sources of information about regional climate change needed for impact assessment and adaptation studies.
- NWP oriented to waves models

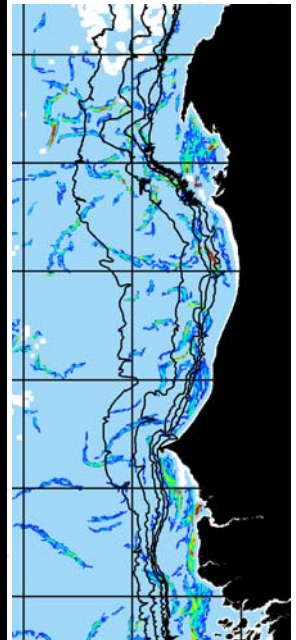
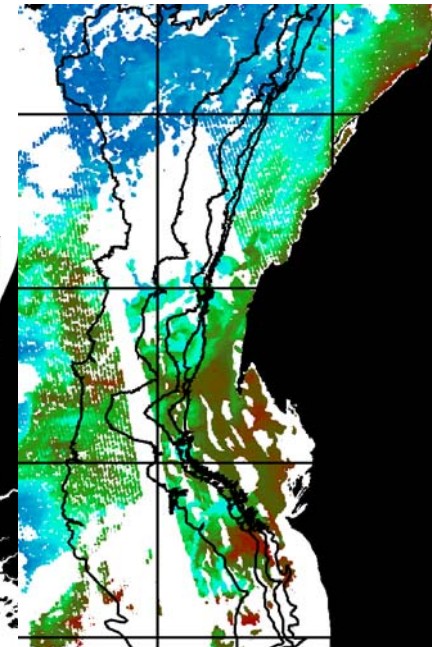
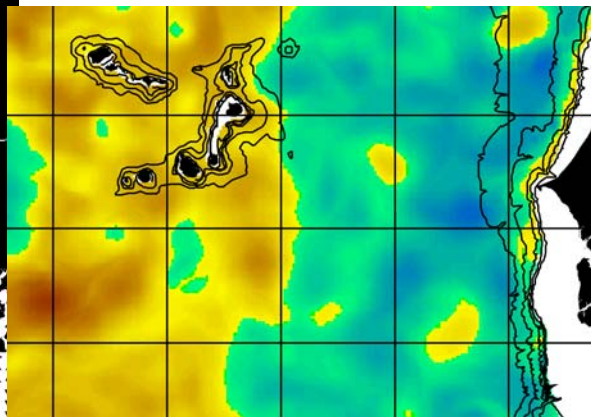
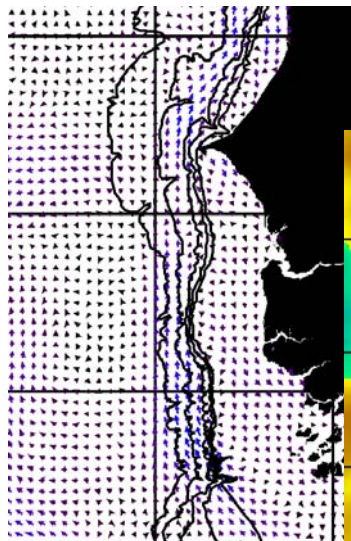
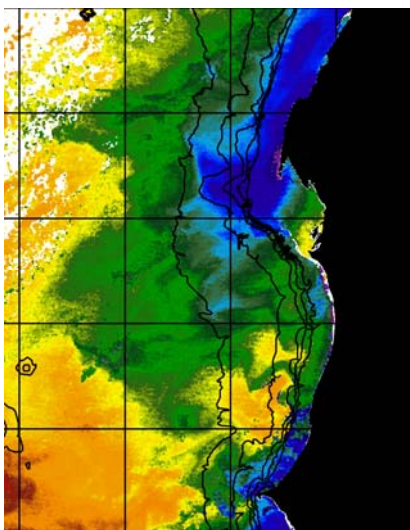




## Action 2.1 (Banjul)

# MARINEMET results

- Partners: Cap Vert, Gambia, Mauritania, Senegal
- Oceanographic purposes Product (Satellite) consolidation and delivery
- fellowships in Toulouse (Météo-France)
- Expert hiring





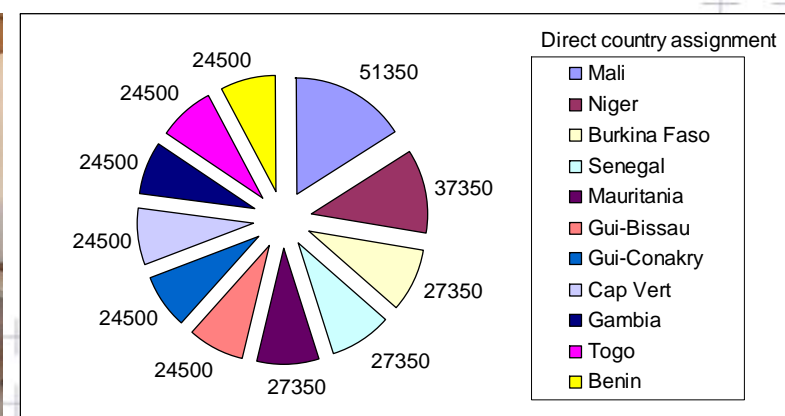
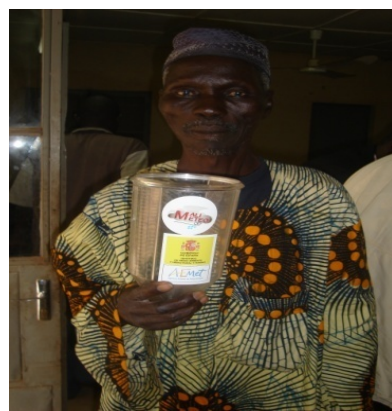
## Action 2.1 (Banjul)

# MARINEMET

- ToR and administrative process for SAPOs, EMAs, tide gauges
- Fellowship of Gambia expert to UKMO
- Definition of modeling products
- User manual for Satellite products

## METAGRI results

- **Partners: Benin, Burkina Faso, Cap Vert, Gambia, Guinea, Guinea Bisau, Mali, Mauritania, Niger, Senegal, Togo**
- **More than 2000 raingauges delivered**
- **Report on METAGRI Phase 2. Mali: 230 personnes comprenant des producteurs ruraux, vulgarisateurs, ONG et administrateurs ont été sensibilisées et soixante (60) ont été formés sur les techniques de relevés pluviométriques et observations sur les cultures**
- **Important role of women**



## Action 2.2 (Banjul)

### METAGRI Phase 3

- complete activities of roving seminar in all countries.
- Maintain limited roving seminar in countries participant in Phase 1 and 2
- Preparation of proposal for METAGRI Extended as future Operational Service

## HEALTHMET results

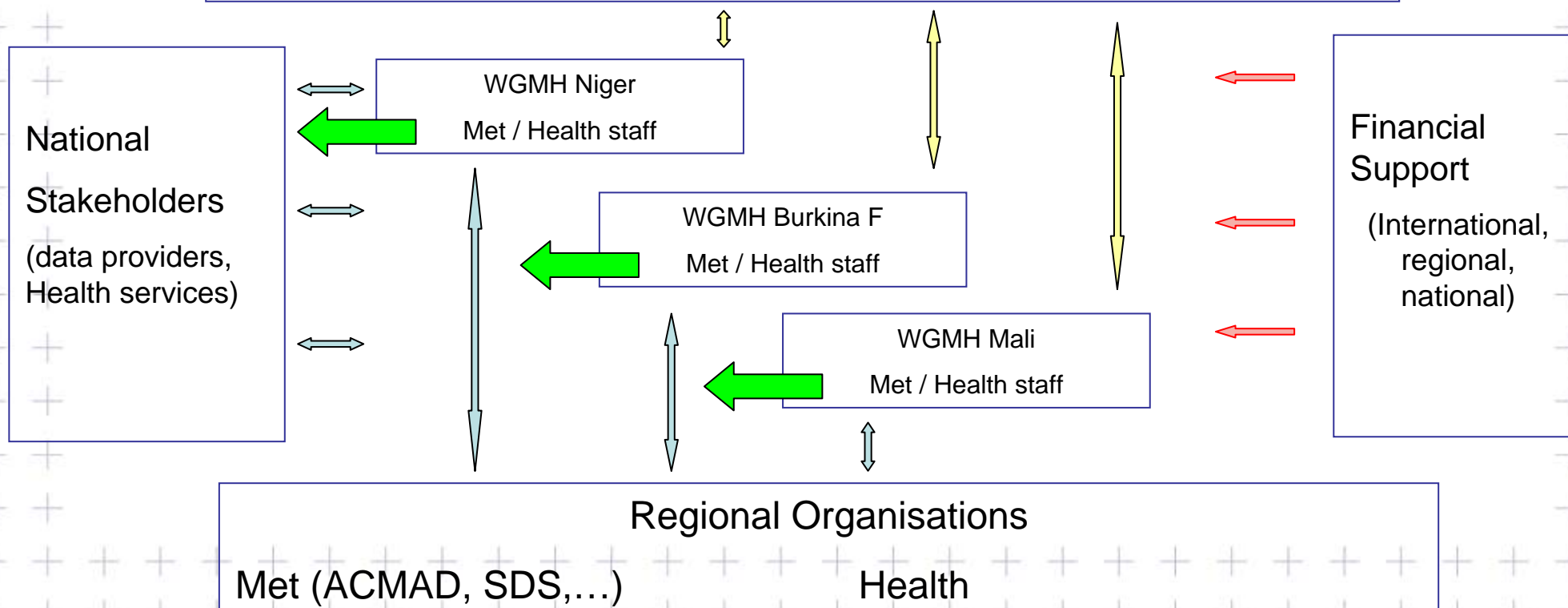
- Workshop on Climate Health Niamey
- Participation on MERIT meeting in Niamey
- Proposal for the conference of Directors on WGCH creation





Reference Frame: Health & Climate Partnership for Africa  
WMO - WHO

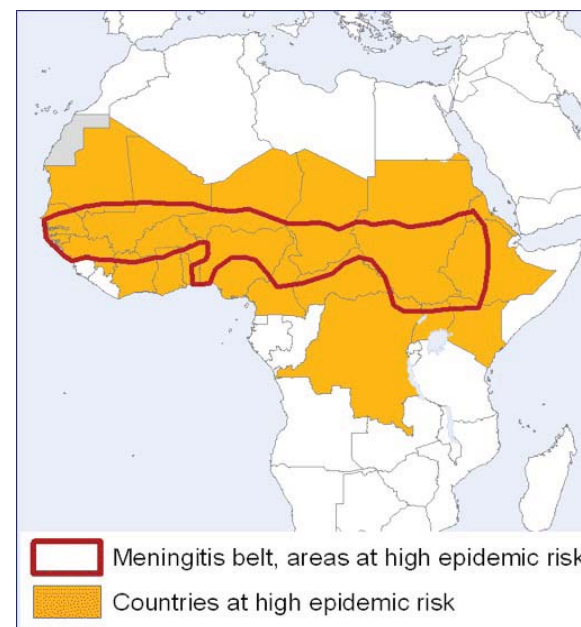
Steering Committé: WMO, WHO?, AEMET...



## Action 2.3 (Banjul)

# HEALTHMET

- Burkina Faso, Mali, Mauritania, Niger, Nigeria
- Preparation of Working Groups on Health Climate
- Training
- Consultancy hiring



## EMERMET results

- Côte d'Ivoire, Guinea, Guinea Bissau, Liberia, Sierra Leone, Togo
- Support for basic infrastructure, observation equipments and computers



## Action 3.1 (Banjul)

# EMERMET

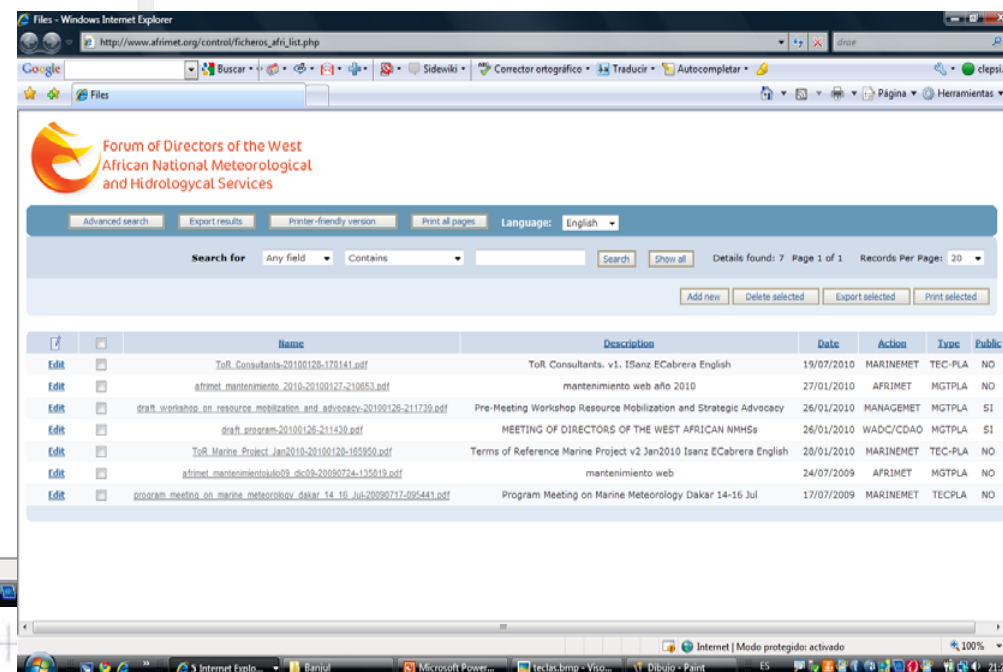
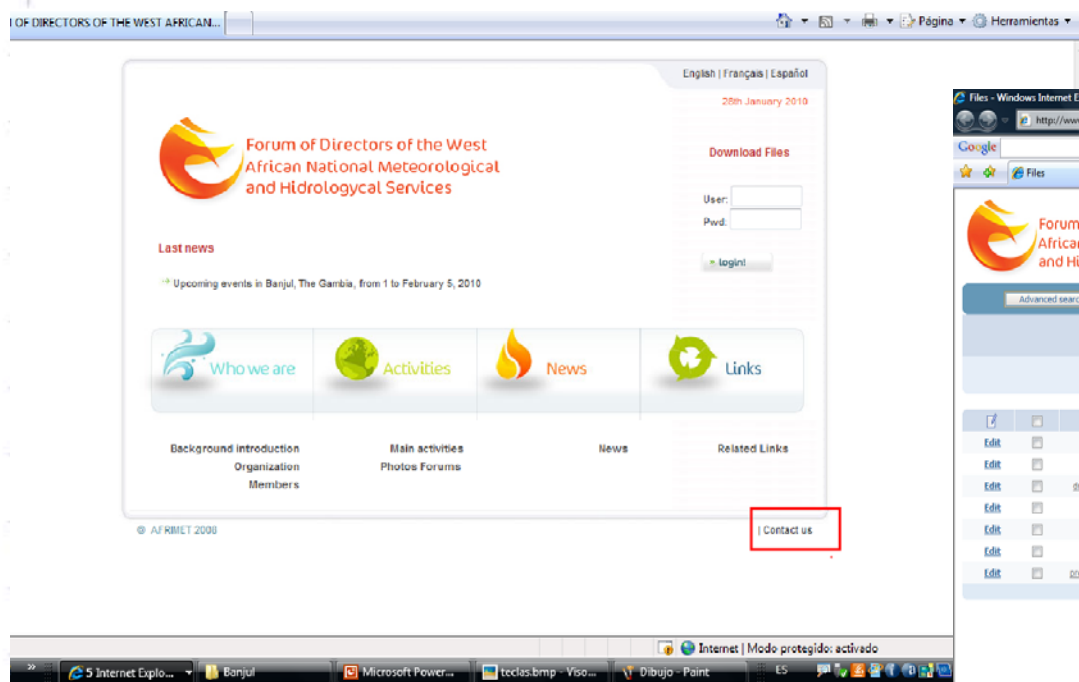
- complete first aids.
- Missions Plan to consolidate a Regional Development Project



# AFRIMET results

- Web site for project visibility
- Repository of project documentation

[www.afrimet.org](http://www.afrimet.org)



## Action 3.7 (Banjul)

# AFRIMET

[www.afrimet.org](http://www.afrimet.org)

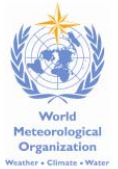
- Web site maintenance
- Platform for NMHSs without their web site

## MANAGEMENT results

- partners: all
- 3 seminars from best management practices to mobilisation resources
- e-learning platform on management (WMO)



## CONCLUSIONS



- WACP driven by partners
- NMHS support oriented, but in cooperation with regional (and international) institutions
- Capacity building instead of strong investment (and loans)
- Seed money for pilot project to be consolidated as sustainable operational services
- Shared responsibility among all partners



Thank you  
Merci  
Obrigado  
Gracias

[www.afrimet.org](http://www.afrimet.org)