

Healthmet

PILOT PROJECT ON CLIMATE & HEALTH

AFRIMET Conference #06

Nouakchott, Mauritanie, April 2016

Delia GUTIERREZ, senior technician on R&D at AEMET dgutierrezr@aemet.es









Outline:

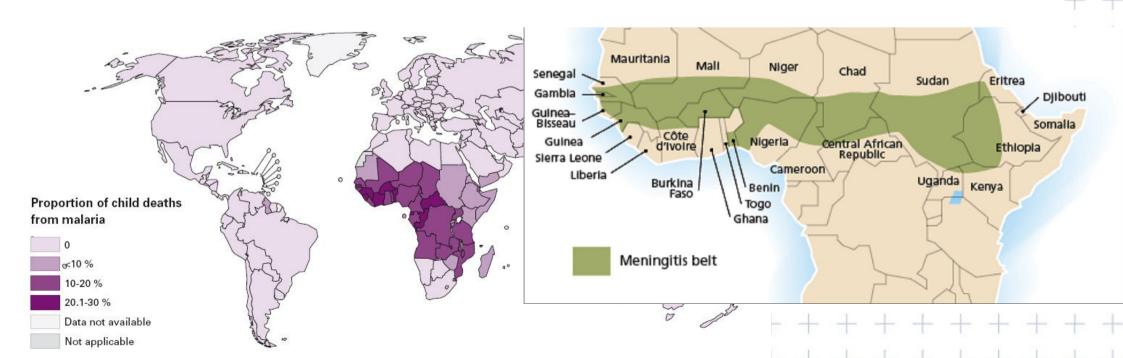
- 1. Background and review.
- 2. Conclusions and lessons learned.
- 3. Plans for the reactivation of the NCHWGs. Proposals.

HEALTHMET Background and review





- AFRIMET Conference (Niamey, Niger, Nov 2008) included in its Plan of
 Action a Pilot Project for strengthening the links between
 meteorological, climatological and health services.
 - ✓ Importance of climate-sensitive diseases like malaria and meningitis in the region.
 - ✓ Similar experiences of WMO in Madagascar and Ethiopia.
 - ✓ Support of the Public Weather Service at WMO.



HEALTHMET Background and review 2009-2011: Initial development phase.







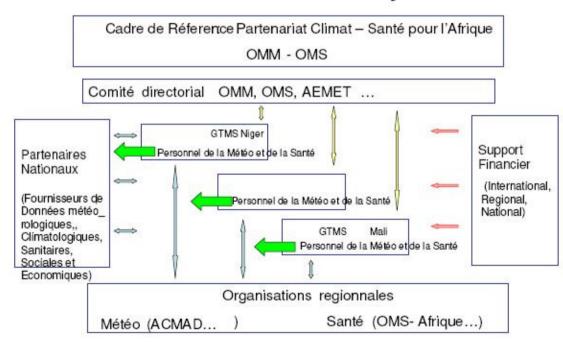
Niamey, Oct'09: Holding of the 'Workshop on strengthening capacities for the establishment of links between weather, climate and health services'.

Participating countries: Burkina Faso, Mali and Niger with ACMAD, WMO and AEMET.

Outcomes (in french):

- ✓ CHWG's ToR
- ✓ <u>Memorandum of agreement</u>
- & partnership for studies and research on climate&health
- ✓ Report

Structure du Projet



HEALTHMET Background and review 2009-2011: Initial development phase.







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- ✓ AFRIMET Conference (Banjul, The Gambia, Feb'10): Approval of the HEALTHMET Project, with the aim of promoting National Climate-Health Work Groups (CHWG) Two more countries were included in the Project: Mauritania and Nigeria.
- ✓ Appointment of two Local Focal Points per country. A representative of the NMHSs and another from the National Health Authority.
- ✓ Specialized training on <u>Climate Information for Public Health</u> of two Regional Experts at the IRI (International Research Institute for Climate and Society) Summer School, New York, May'10.
- \checkmark Training course on WMO SDS-WAS Products at the Barcelona \vdash + Supercomputing Center for all five Local Met Focal Points, Nov'10. + +

HEALTHMET Background and review 2009-2011: Initial development phase.







- ✓ AFRIMET Conference (Sal, Cape Verde, March'11): Approval of the launch of NCHWG in Mauritania and Burkina Faso, and continuation of local and regional training in climate and health.
- ✓ Workshop for the creation of the Mauritanian NCHWG, Nouakchott, 28th and 29th June'11.
- ✓ Workshop for the creation of the Burkina Faso's NCHWG, Ouagadougou, 15th and 16th Dec'11.
- ✓ Regional training: Attendance to the 2nd. WMO SDS-WAS Training + + Course on satellite and ground observation and modelling of atmospheric dust, Antalya, Turkey, 21-25 Nov'11. Three representants of AFRIMET's National Weather Services: Senegal, Cape Verde and Burkina Faso.

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HEALTHMET Background and review 2012-2014: Difficulties in moving forward.





2012 2013 2014

AFRIMET Conference, Boadilla, Spain, Oct'12 proposed:

- > Consolidation of the project in Mauritania and Burkina F.
 - ✓ Analysis of needs and available resources.
 - ✓ Training and/or technical support.
- > Extension of the project to NIGER and MALI.
 - ✓ NIGER: was preparing a meeting for all users sectors. Specific activities for health sector were expected to be outlined.
 - ✓ MALI: start of activities postponed until safer political situation.
- NIGERIA and rest of Afrimet countries: depending on circumstances, activities could be programmed in next steps.

Expected financial support: AFRIMET, WMO (through Public Weather Services Programme), other donors coming fom fund raising activities.

 Regional training: Attendance of Gambia to II Lectures on Atmospheric Mineral Dust, Barcelona, Spain, Nov'12 and of Gambia, Niger and Togo to 4th Training Course on WMO SDS-WAS products, Casablanca, Morocco, Nov'14.

HEALTHMET Background and review 2012-2014: Difficulties in moving forward.





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2012 2013 2014

MAURITANIA:

- ✓ NCHWG formally constituted (2011) with participation of eleven national institutions.
- ✓ Preparation of a form intended to collecting information about climate-sensitive diseases among health agents (2012).
- ✓ Participation of a member of the meteorological service in the International Training Course on Climate Change and Human Health: Health Impacts and Policy Implications in Africa, Nouna, Burkina Faso, 4-15 Nov'13.
- Proposals of training and acquisition of some equipment.

HEALTHMET Background and review 2012-2014: Difficulties in moving forward.





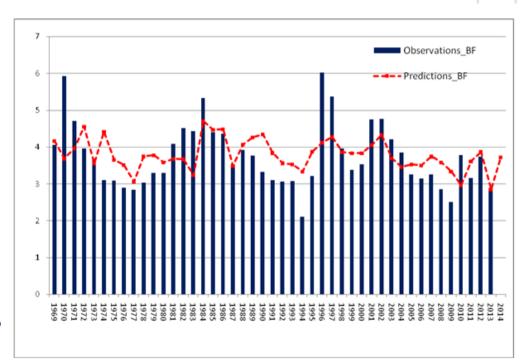
2012 2013 2014

BURKINA FASO:

- ✓ NCHWG not formally constituted.
- ✓ Annual preparation of an analysis of the evolution of the number of cases of meningitis in Burkina F. (and Niger) and a prediction for the coming year based on statistical analysis techniques.

 Available at AFRIMET Public Files,

http://www.afrimet.org/control/Ficheros Afri Public list.php?language=English



Graph n°3: Meningococcal meningitis incidence rate predicted and observed in Burkina Faso from 1969 to 2014.

Abscissa : years

Ordinate: logarithm of mcm annual incidence rate

Histogram: Observed MCM logarithm incidence rate from 1969 to 2013.







OBJECTIVE:

To present to the next AFRIMET Conference a status report and a proposal for action aimed at the <u>implementation of a climate-based public health EWS</u> in the participating countries.

STEPS TAKEN:

- Prepared a retrospective report of HEALTHMET project.
- Contacted the WHO/WMO Climate and Health Office for enrollment of HEALTHMET under CLIM-HEALTH Africa framework.
- Established collaboration and participation of representatives of Burkina Faso and Mauritania in <u>1st Africa/Middle East Expert</u> <u>Meeting and Workshop on the Health Impact of Airborne Dust</u>.
- Prepared a survey of situation in the agencies involved in the NCHWGs.
- Preparation of a workplan to be presented to the Conference.

HEALTHMET Background and review Summary of expenses





Summary of expenses

Action components	Expected output <i>l</i> Due date	Estimated Cost	Expenditure in 2009	Expenditure in 2010	Expenditure in 2011	Expenditure in 2012	Expenditure in 2013	Expenditure in 2014		TOTAL EXPENDITU RE	Estimated - Expenditure
HEALTHMET PROJECT	 	240500	30500	22000	30403	0	3888	0	0	86791	153709





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Conclusions and lessons learned.







ACHIEVEMENTS:

- Increased knowledge about
 - √ climate-health relationships,
 - ✓ access to remote sensing data and numerical models and
 - ✓ preparation of studies on climate & health

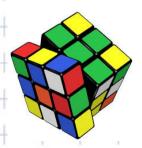
among meteorological services in the region.

Facilitated the establishment of contacts with the public health services and other stakeholders.



WEAKNESSES:

- Instability of the staff of the meteorological and health services.
- Political instability in the region.
- Global economic crisis.
- Action plans have been vague and too general.



CHALLENGES:

- Prepare an assessment of data and resources available at national level, as well as resources and training needs.
- Collaboration with WHO and other stakeholders to avoid duplication of work.





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Plans for the reactivation of the NCHWGs. Proposals.





<u>Project for the development of operational EWS tools that address climate-</u> <u>sensitive impacts on public health</u>

The goal of this project is to develop a prototype of a national meteorological Early Warning System oriented to public health authorities. The project is divided in four steps, and for each one an output is identified. At each step, several activities have been identified. At the end of the process, the system should have been tested and the improvements needed identified. This could give place to a second phase of the project where this prototype could be refined, extended, strengthened,...

STEPS	OUTPUTS					
Establish thematic health areas	Areas of work identified					
Analysis of climate and health data	Identification of treshold oriented to authorities decision-taking					
Pre-operational use of EWS products	Information available for decision-taking					
Validation of results	Assesment of the results and review of the process if needed					

Plans for the reactivation of the NCHWGs. Proposals.





Proposals:

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- Consolidate links of the project with the Clim-Health Africa initiative.
- Take advantage of the ACMAD expertise on Climate-Health bulletin.
- Approval of Mauritania and Burkina plans and support for the development of operational EWS tools that address climate-sensitive impacts on public health:
 - ✓ Financial support to specific activities. Ceiling?
 - ✓ Support to fund raising activities near WMO, WHO, AECID, etc.
- Support of initial steps in Mali/Niger/Nigeria/others?:
 - Contact with health authorities and identification of partners.
 - Conducting surveys oriented to identify information available, needs and priorities.
- Continue collaboration with <u>SDS WAS</u> and strengthening training over the region in satellite and ground observation and modelling of atmospheric dust.





Thanks for your attention. Merci pour votre attention.

