

SEASONAL FORECAST AND RURAL USERS



**ACCESS TO METEOROLOGICAL
AND CLIMATE PRODUCTS FOR
SUSTAINABLE DEVELOPMENT**

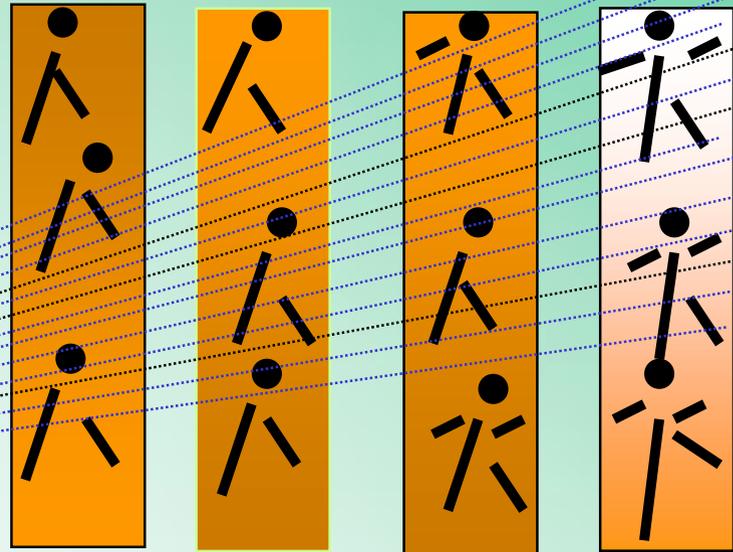
**Radio+interNET adapted
technologies and Solar Energy**

ACMAD Vision 2000



A Climate and Environmental
Partnership
for
sustainable Development

ACMAD



ACMAD mandate



Medium term objectives

To produce products that will satisfy the requirements of Members States;

To assist in developing and strengthening NMSs to become broad-based and cross-sectoral, interacting with the ultimate users.

Goals and long term objectives

To build capacities for meteorological applications for sustainable development;

To develop methodologies and techniques for applications.

Strategic management of human resources

Staff

Financial support

Senior

20%

- Recruited on contract basis
- Fully taken in charge by Member States (CEA resolution)

Operational / development

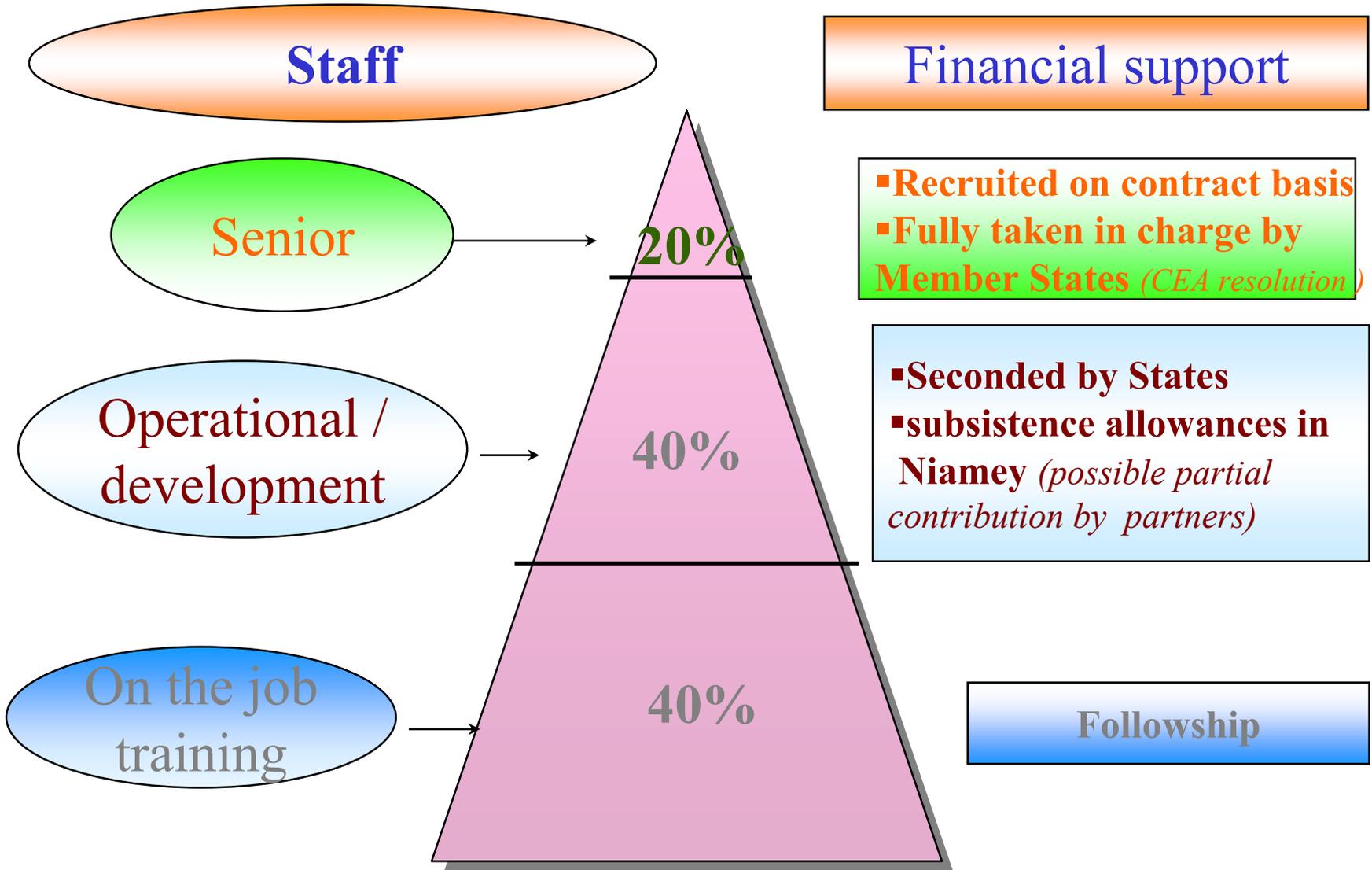
40%

- Seconded by States
- subsistence allowances in Niamey (possible partial contribution by partners)

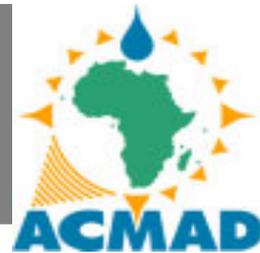
On the job training

40%

Followship



ACMAD PROGRAMME



IMPLEMENTATION PHASES

Phase I :
Launching
(1992 - 1996)

Phase II :
Demonstration
(1997 - 2000)

Phase III :
Maturity
(2001 - 2003)

Phase II : (1997 - 2000)

Demonstration



“Demonstrate through provision of readily identifiable and enhanced outputs, the potential impacts of ACMAD and the benefits to NMHSs”

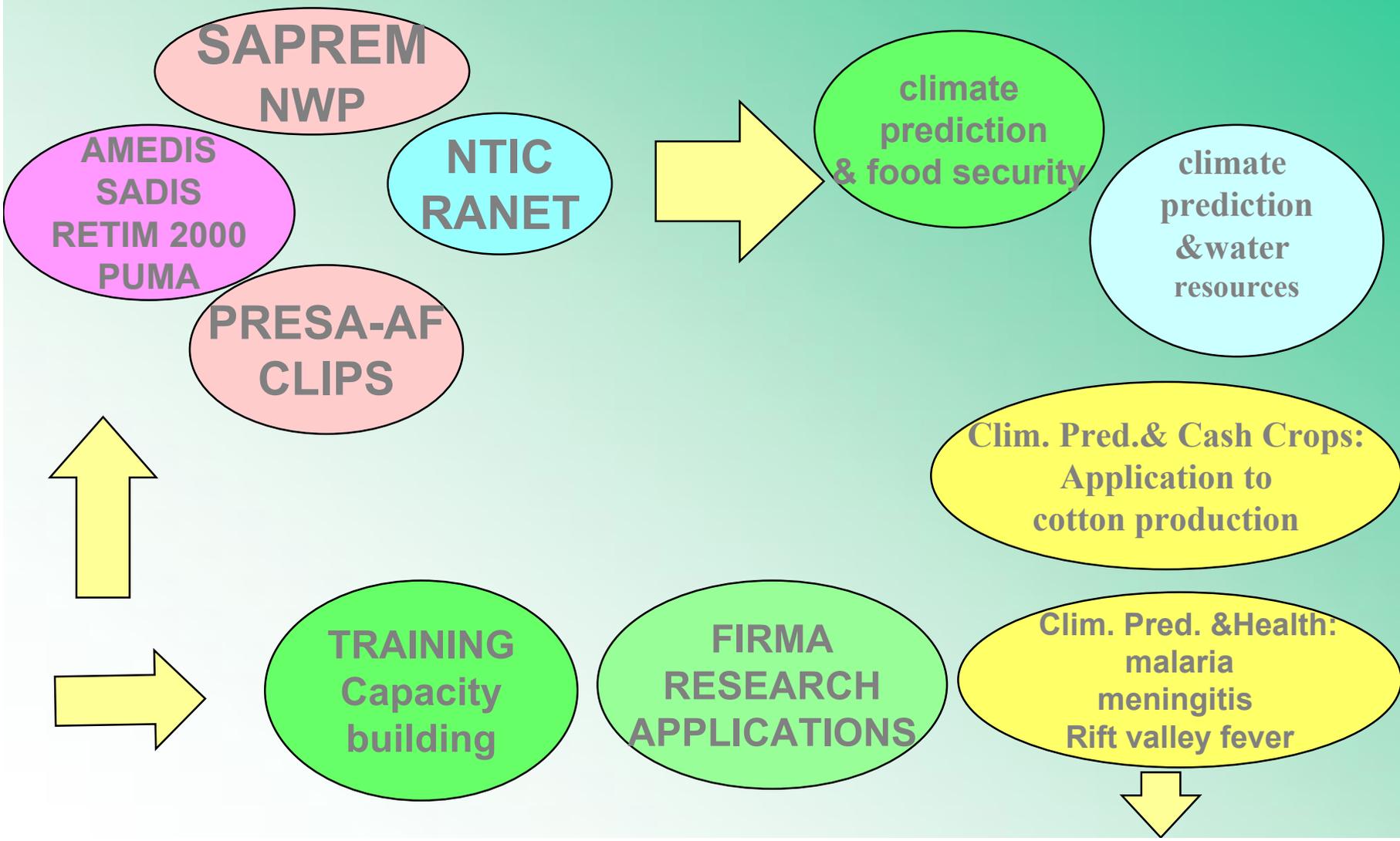
- Development of Tools: AMEDIS
- Demonstration of **Capacities in met. & climate watch in Africa**
- Strengthening of NMHSs capacities
- **Training of Professionals + Users**
- Development of **Applications**
- Resource Mobilization
- Identification of **constraints**
- **Communication** with users

DEMO. Phase 1997-2000



Capacity strengthening in clim. and met. watch

Development of Applications warning systems





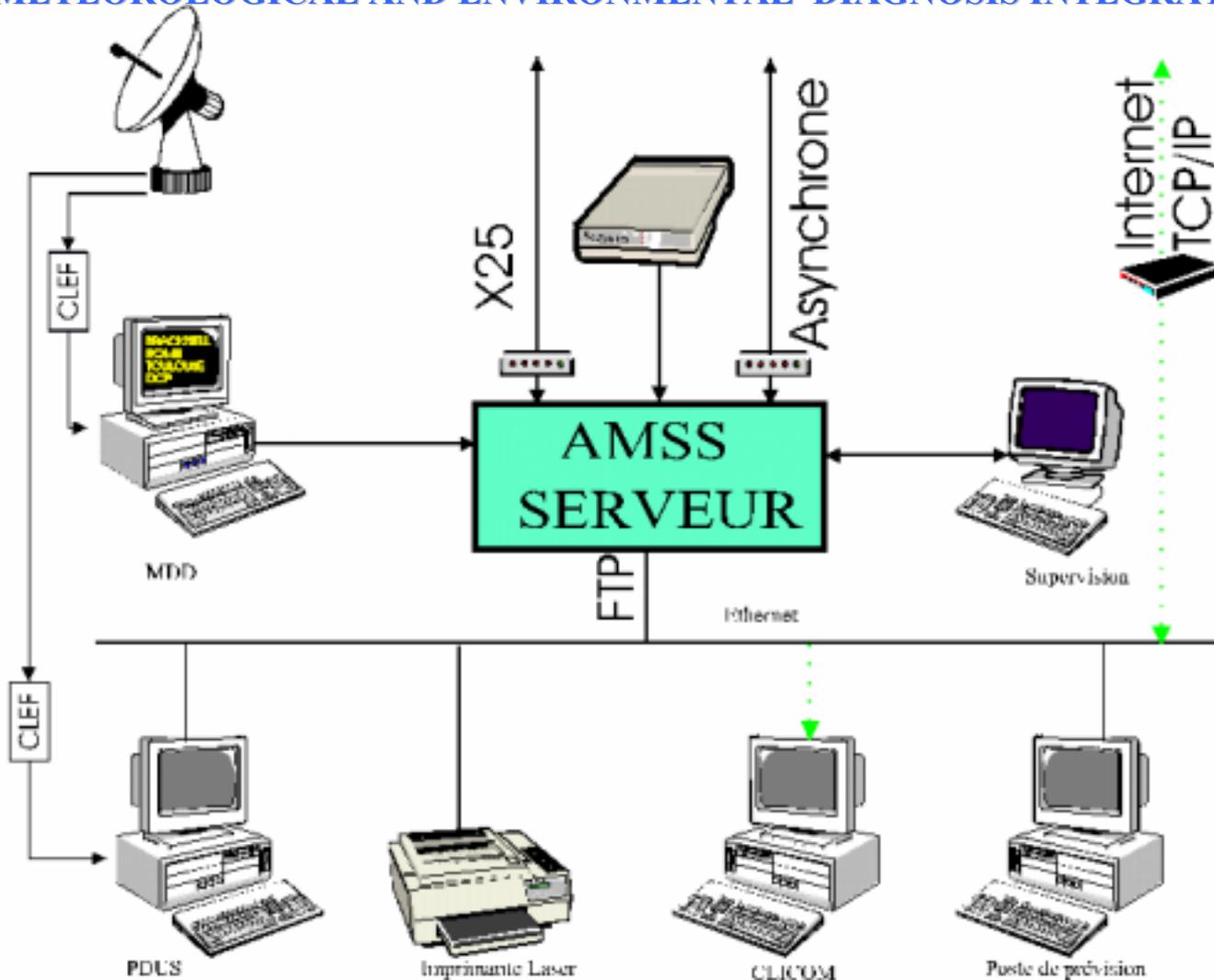
Phase III (2001 - 2003): Maturity

- **Centre of Excellence** for Meteorological Applications
- Strengthening of **Capacities**
- Development & **transfer** of competences and tools to NMS and NHS
- **Integration** of Climate - Environment for Sustainable Development in Africa

AMEDIS



AFRICAN METEOROLOGICAL AND ENVIRONMENTAL DIAGNOSIS INTEGRATED SYSTEM





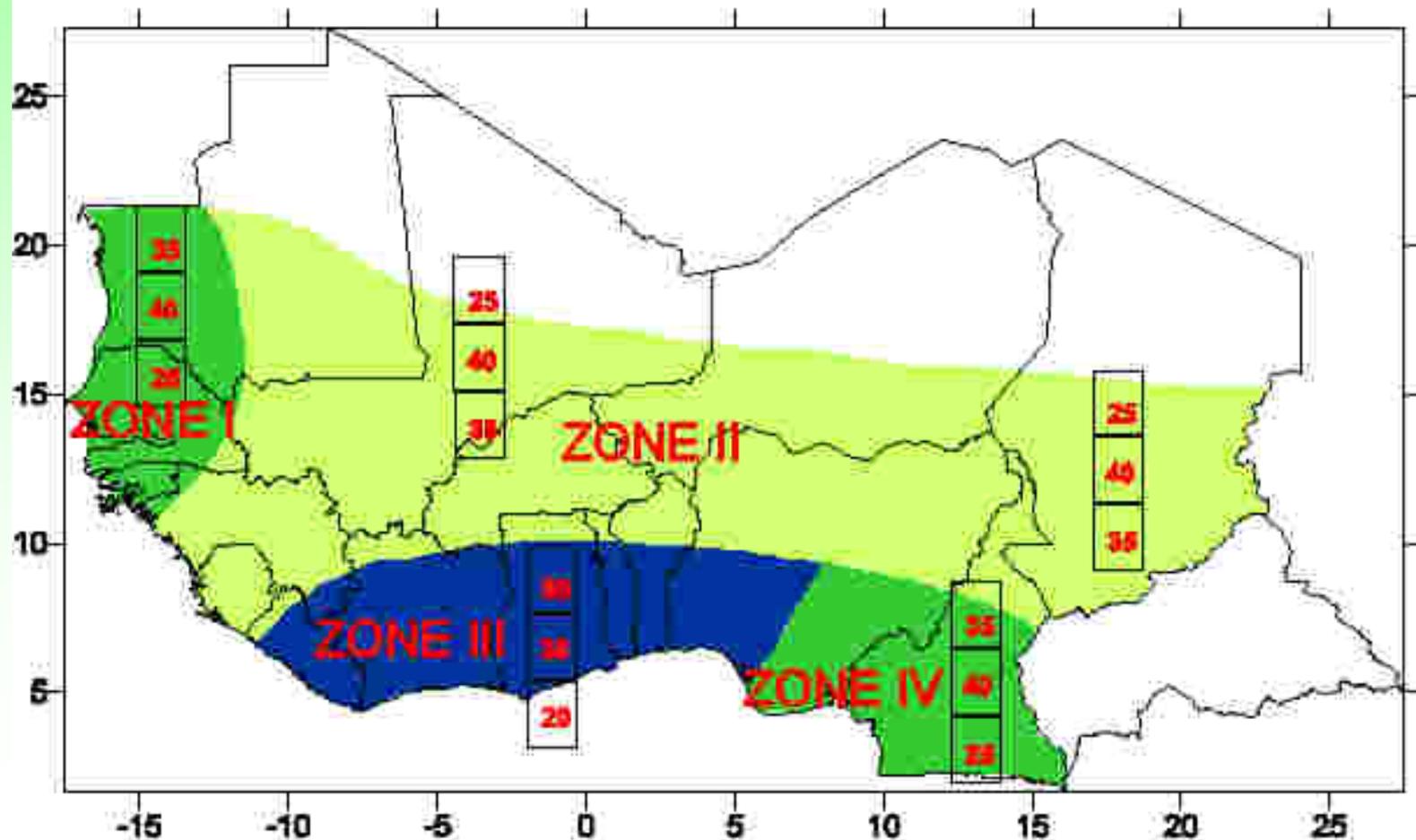
Seasonal Forecast and its Applications in AFRICA

PREvision **S**aisonnnière et ses
Applications en **AF**rique
(PRESA-AF)

RESULTS of PRESA-AO/04

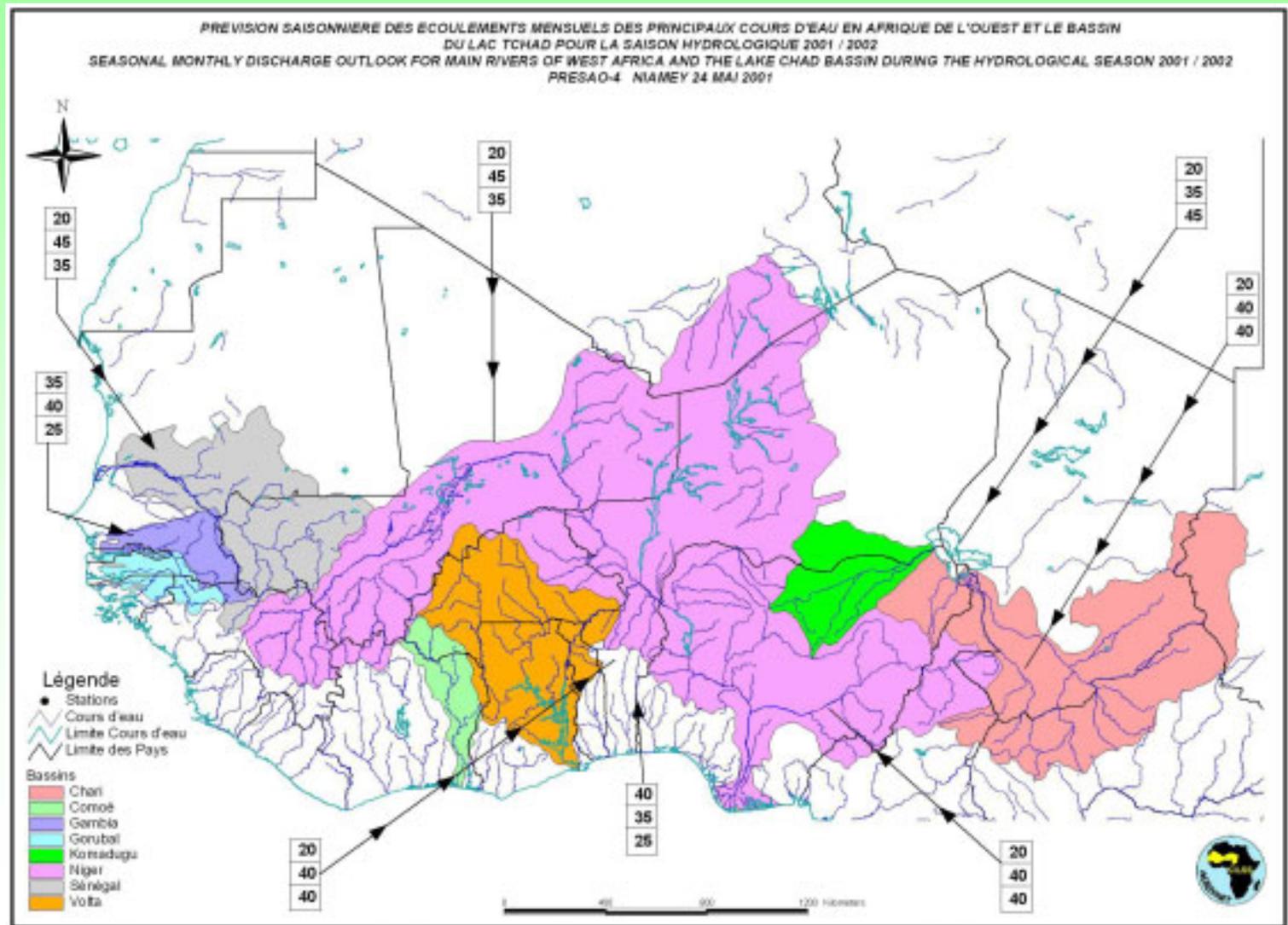


PREVISION SAISONNIERE DES PLUIES EN AFRIQUE DE L'OUEST,
LE TCHAD ET LE CAMEROUN
JUILLET- AOÛT- SEPTEMBRE 2001



Prévision des écoulements des cours d'eau: saison 2001/2002

Seasonal discharge outlook for main rivers: season 2001/2001



GAINS



➤ **Trained human resources:**

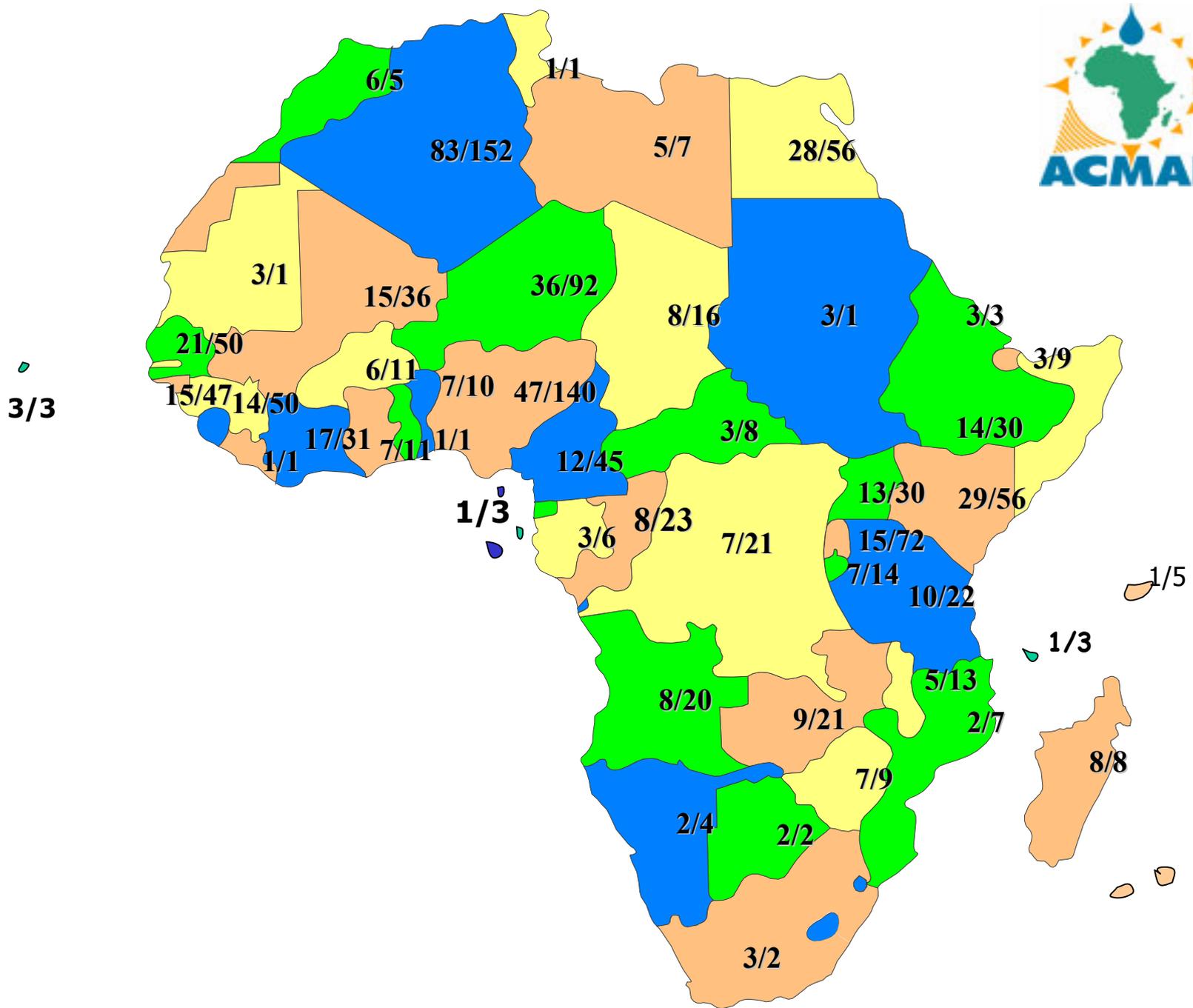
- ✓ Climatologists
- ✓ Hydrologists
- ✓ Rural communicators
- ✓ Farmers and staff of agro-industrial companies

➤ **Acquired equipment**

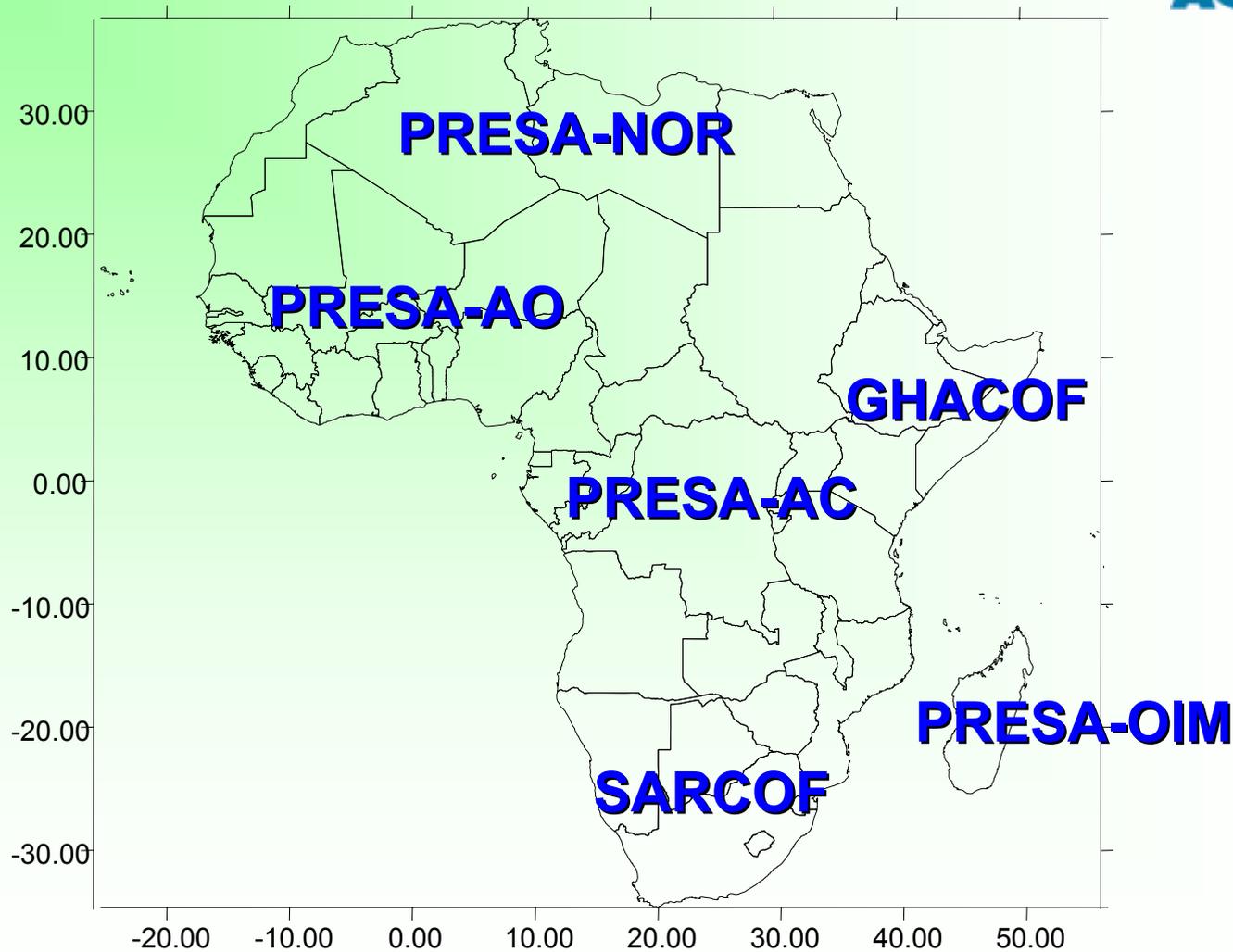
- ✓ Hardware (Pc, modems)
- ✓ Software (SYSTAT, Worldspace)
- ✓ Digital radio receivers
- ✓ Wind up/Solar Radio
- ✓ Worldspace adaptor Cards

➤ **Currently disseminated products**

- ✓ Seasonal rainfall and hydrological outlooks
- ✓ Prediction of the rainy season onset date



AFRICAN SUB-REGIONAL CLIMATE OUTLOOK FORUM





RANET AFRICA



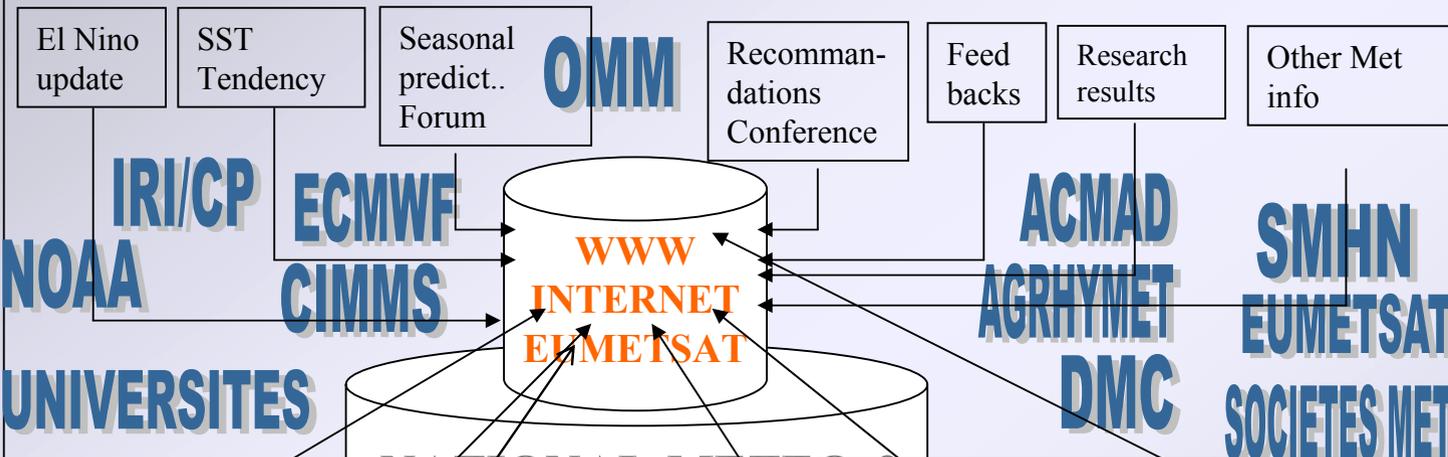
**RANET (RADIO and
interNET for the
Communication of
Hydro-Meteo-Climate
Related Information
toward communities at
village level)**

Declaration of His Excellency, YOWERI KAGUTA MUSEVENI, President of the Republic of Uganda at the opening of the 4Th EUMETSAT Users Forum

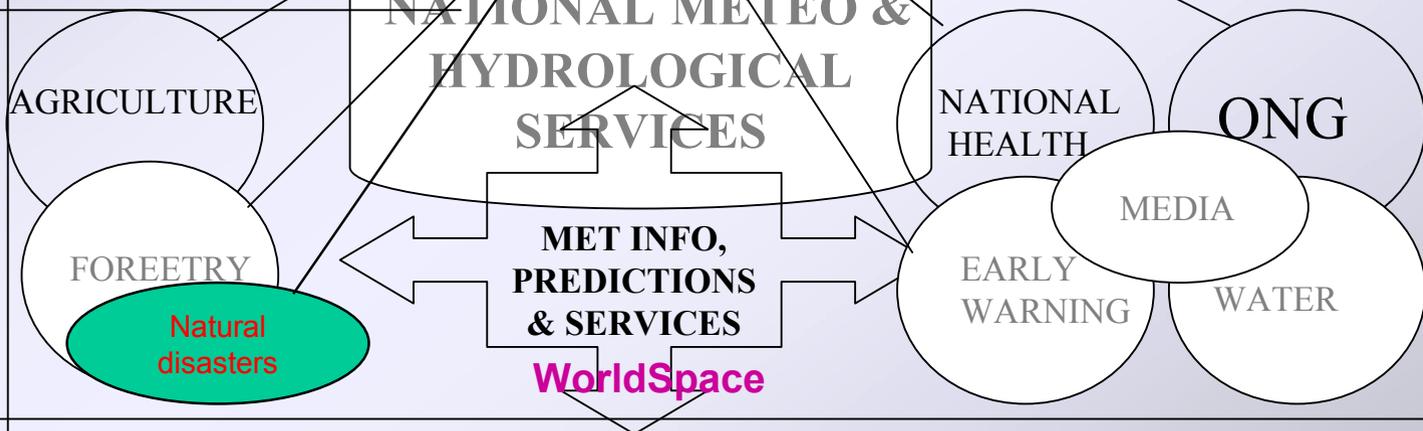
"...This capacity has come at the most opportune time so that we can forge strong linkage between climate scientists, planners, the public sector as well as rural farming communities. The data generated from satellites as well as seasonal predictions should be made available to the rural farming communities and the public sector if we are to achieve our goals in poverty eradication in Uganda and Africa as a whole. Poverty is an evil that can only be eradicated by applying scientific tools in our production, human health, water resource management, infrastructure development and education, among others. Timely availability of accurate meteorological information and integration of that information in our strategic planning is key in mitigating the impacts of climatic variability..."

RANET

**INFORMATION
PRIMARY
SOURCES**



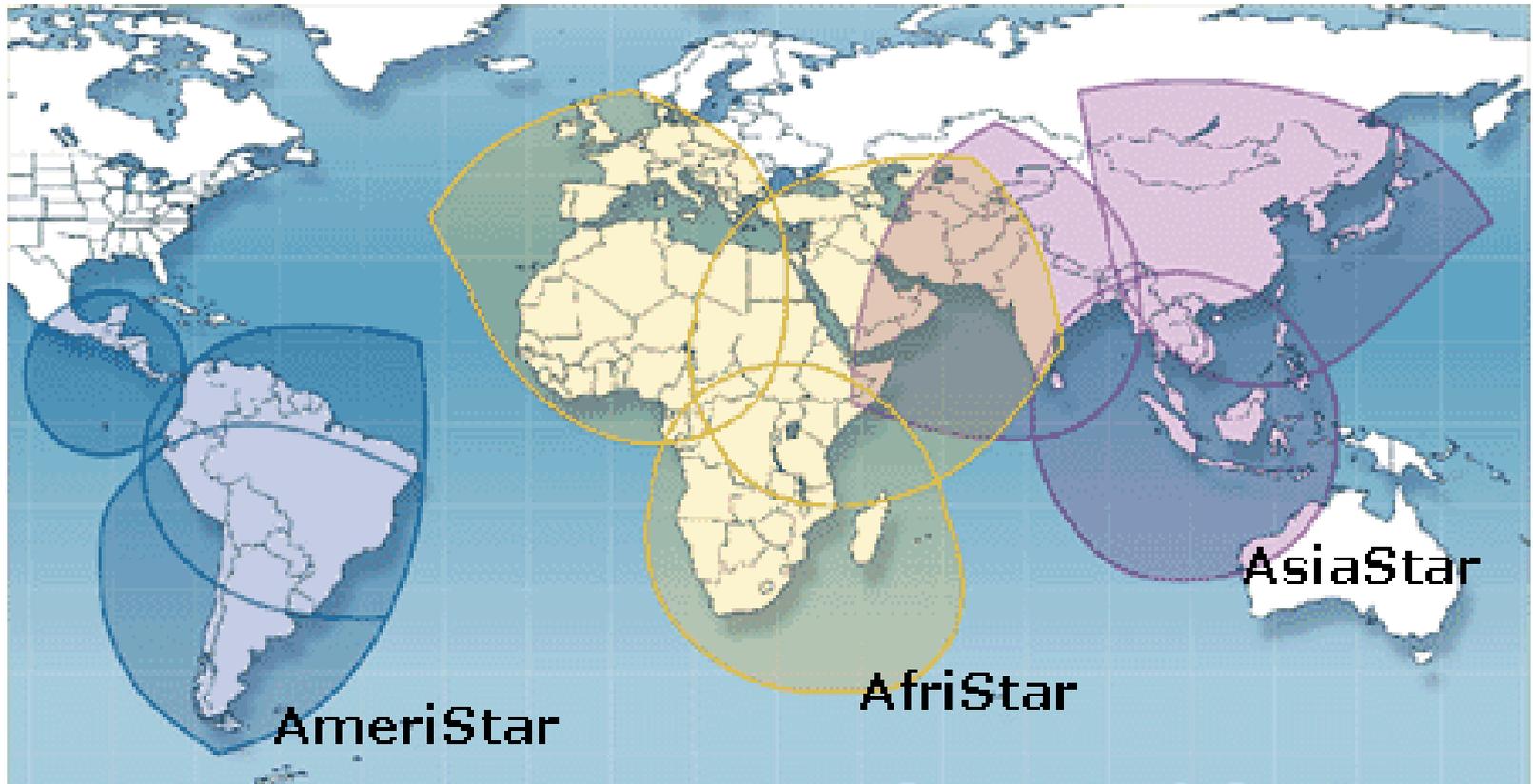
**IN
THE
COUNTRIES**



**ANALOGIQUE
& NUMERICAL
WIND-UP/SOLAR/
RADIO**



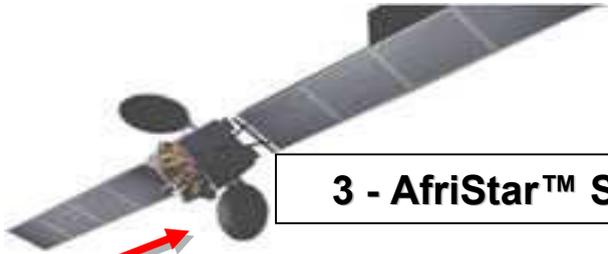
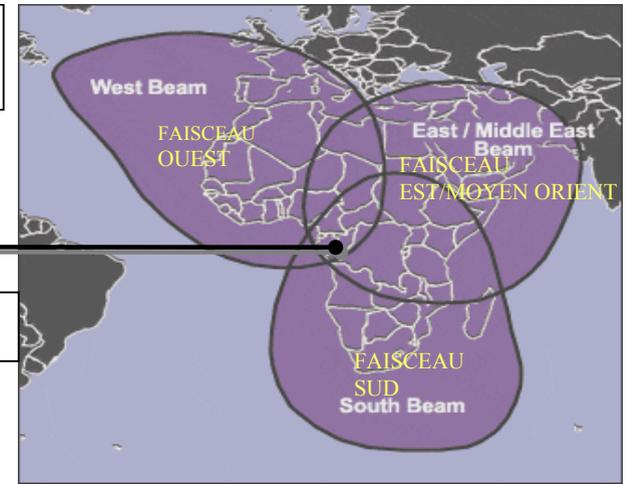
Current and Planned Coverage



RANET Africa.....RANET Asia.....RANET America.....



RANET LOOP



3 - AfriStar™ SATELLITE



2 - UPLINK STATION

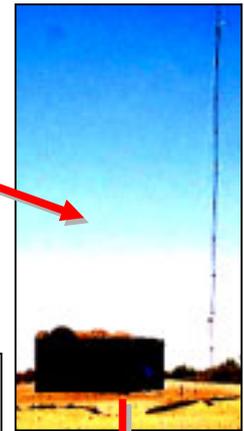


1 - SERVER

WEB



4 - IN « CID* » : DOWNLOADING ADAPTION - FM BROADCAST & FEED-BACK (e-mail)

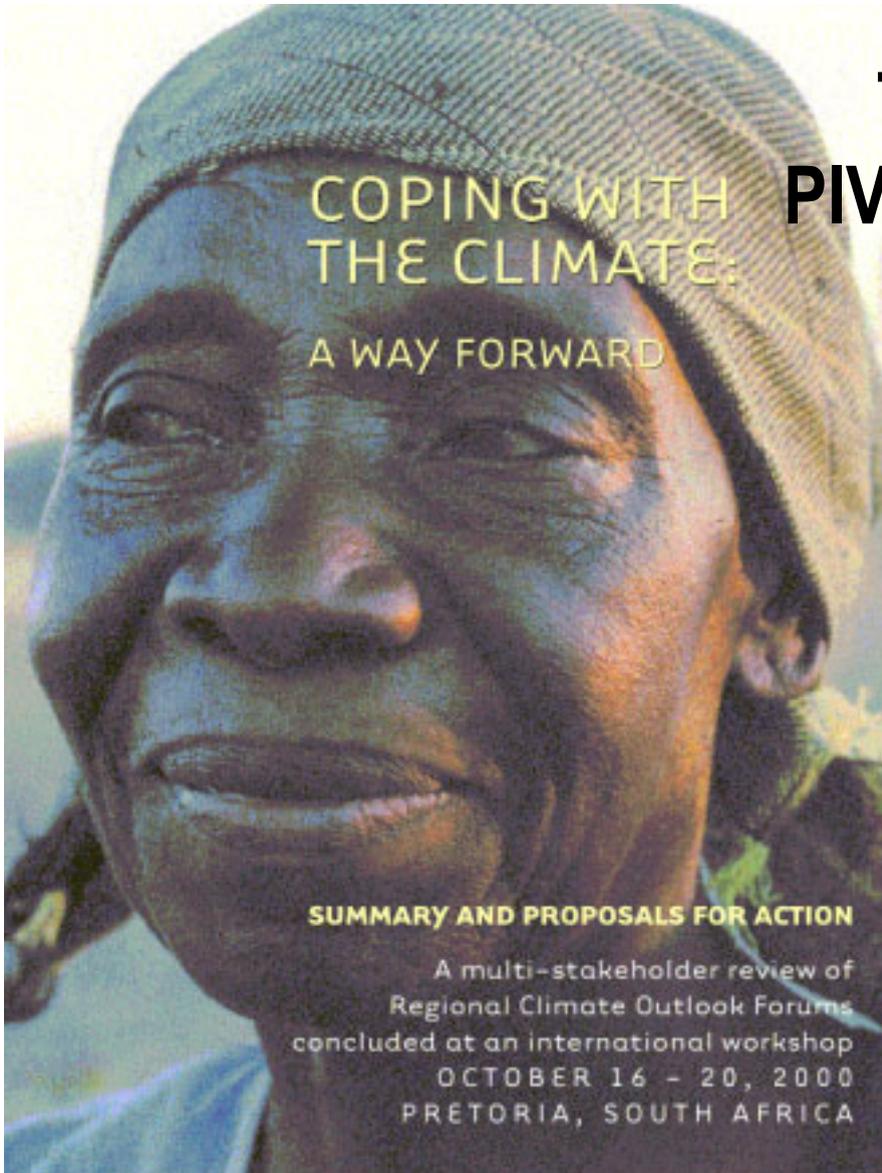


5 - SOLAR & WIND 'UP RADIO



*** CID : Community Center of Integrated Information for Development**

THE RURAL WOMAN: PIVOT OF DEVELOPEMENT



COPING WITH
THE CLIMATE:

A WAY FORWARD

SUMMARY AND PROPOSALS FOR ACTION

A multi-stakeholder review of
Regional Climate Outlook Forums
concluded at an international workshop
OCTOBER 16 - 20, 2000
PRETORIA, SOUTH AFRICA

- Central to important activities such as 1) farming 2) health 3) education...etc.
- Requires meteorological information for
 - choice of planting dates,
 - organising for pest control, weeding,
 - choice of harvesting dates,
 - response to weather related diseases.
- Careful Budget Management

CONCEPT OF RANET 2000 Africa

“Don’t go faster than the user!!”

Ideally: Information loop adapted to the needs of isolated users

- *Africa’s main users*: farmers, herders, fisher communities;
- *Basic users needs*: decision on when to plant crops, where to find water for animals, reduce vulnerability to meteorological risks;
- *Main goals*: provide reliable, cheap and easy to implement solutions to telecommunication problems of delivering easily understood information to rural communities and receive from them (observations and feedback);

"The Nobel Prize in Rural Communication"



CERTIFICATE

RURAL RADIO NETWORK - RURANET & CID

UNDP/Niger, ACMAD, CPRP and SNV

has been selected a
Finalist in Category Public Services & Democracy
in The Stockholm Challenge Award 2001
for their contribution in the global movement
of building a better Information Society for all

STOCKHOLM, SEPTEMBER 26TH, 2001

MONICA BERNSTRÖM
PROGRAM MANAGER

CARL CEDERSJÖELD
MAYOR OF STOCKHOLM

STOCKHOLM CHALLENGE





FOR MORE INFORMATION ON RANET AND ITS ACTIVITIES, PLEASE CONSULT THE FOLLOWING WEBPAGES: <http://www...>

- ranet2000.org
- acmad.net
- worldspace.org
- freeplay.org.uk
- freeplay.net
- vita.org
- wantokent.com



FONDATION !!! ?

