

MECANISMS FOR PRODUCTION AND DISSEMINATION OF WEATHER WARNING IN COMOROS

By

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NATIONAL METEOROLOGICAL
SERVICE IN COMOROS

PRETORIA, SOUTH AFRICA, 18 – 22 Novembre 2013

INTRODUCTION

The Comoros Islands are an archipelago of four islands and several islets located in the western Indian Ocean about ten to twelve degrees south of the Equator and less than 200 miles off the East African coast. They lie approximately halfway between the island of Madagascar and northern Mozambique at the northern end of the Mozambique Channel



Multi-hazard

- Cyclone
 - Pluie torrentielle
 - Eruptions Volcaniques
 - Inondations
 - Glissement de terrain
 - Vents forts
 - Fortes vagues
- Cyclone
 - Torrential rain
 - Volcanic eruption
 - Floods
 - Landslide
 - High winds
 - High waves

Comoros meteorological services

Mission

- To provide warnings, public weather forecasts, advisories, meteorological, climatological products and other specialized services primarily for the protection of life and property and in support of economic productivity and sustainable development.

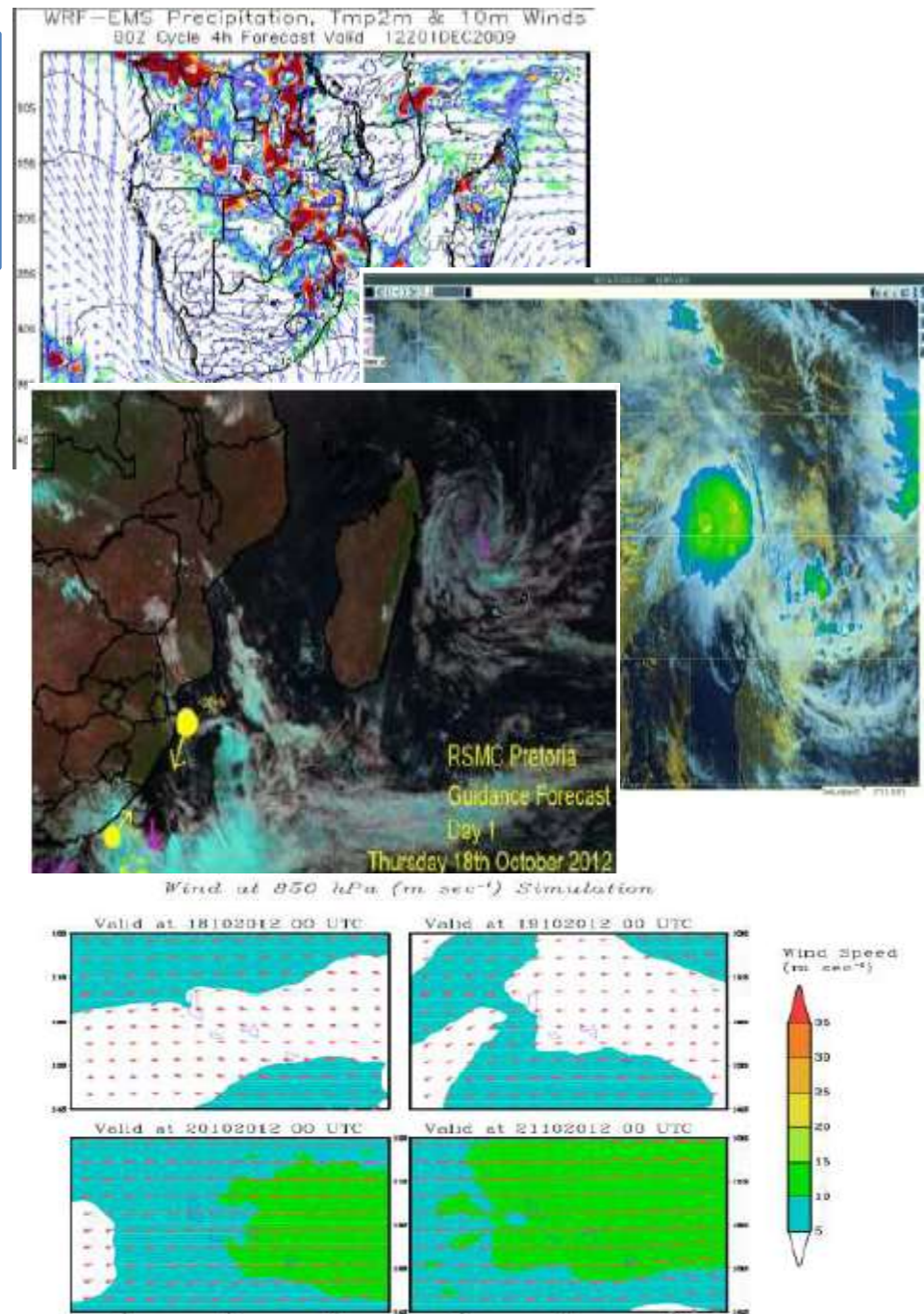
Functions

- Maintains a wide nationwide network pertaining to observation and forecasting of severe weather events and other conditions affecting national safety, welfare and economy.
- Dissemination of Forecasts, Warnings and Specialized Information Through Media to Users.

MECANISM FOR PRODUCTION - TOOLS FOR WEATHER MONITORING

The following products are used at the Comoros MS:

- RSMC Reunion
- RSMC Pretoria
- Synergie /PUMA
- And other global centers (ECMWF, RIMES)



Public weather Service

- Weather forecast model
- Bulletin for ports
- Bulletin Seasonal forecast (NDJ/DJF 2013)

BULLETIN METEOROLOGIQUE

Rédigé le 17/10/2012 à 10H00
 VALABLE DU 17/10/2012 AU 18/10/2012

SITUATION GENERALE DU JOUR: ciel peu nuageux, vent de secteur Est tournant en Sud Ouest d'intensité faible à localement modéré. Mer peu agitée.

PREVISION POUR LA NUIT: Ciel peu nuageux. Vent calme. Mer belle.

PREVISION POUR LE LENDemain: ciel peu nuageux mais au fil des heures des formations nuageuses sur les Hautsurs pourront occasionner des faibles averses isolées, vent de secteur Est tournant en Sud Ouest faible à localement modéré. Mer peu agitée.

Marees du 18/10/2012 :			
Haut de mer	Hauteur	Basse mer	Hauteur
à 05h 57	3m 00	à 12h 15	0m 75
à 18h 10	4m 50	à 17h 17	1m 17

TEMPERATURES EXTREMES RELEVES le 17/10/12 entre 00h et 10h locales				
Température en °C	Mohaya	Ouani	Bandar	Moroni
Minimale	21	21	22	22
Maximale	21	21	22	22

HAUTEUR : 0m
 Hauteur : 0m
 LEVÉE : 0h
 Heure du lever : 0h
 Heure du coucher : 0h

Bulletin pour les ports / Bulletin for ports

Direction de la Météorologie
 Bulletin maritime valable pour le port de Moroni
 A L'ATTENTION DE LA CAPITAINE DE :
 Bulletin de :
 1. Anis :
 2. Situation Générale :
 3. Prévision valable pour l'après-midi et la nuit prochaine :
 Temps :
 Vent :
 Mer : significatif
 Visibilité :
 4. prévision du demain :
 Temps :
 Vent :
 Mer : significatif
 Visibilité :
 TENDANCE DE L'APRES DEMAIN LE :

HEURE	VENT	MER	VISIB
MATIN			
APRES-MIDI			
BOIR			

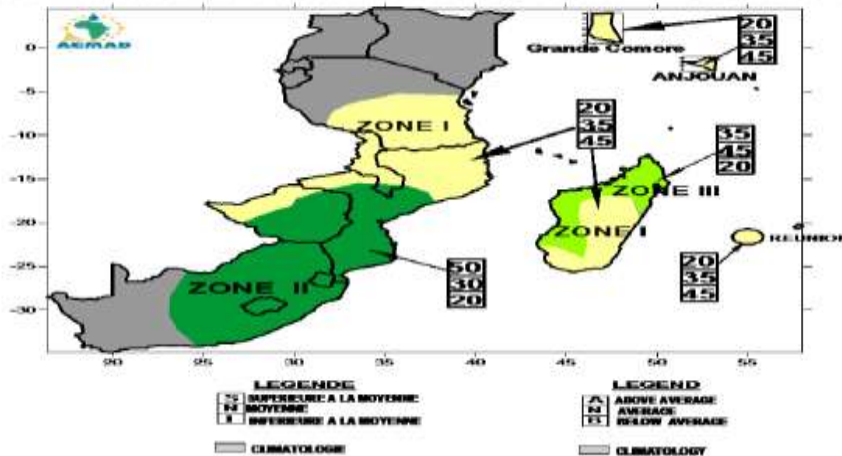
 MAREE DU JOUR

Haute mer	Basse mer
matin	soir
matin	soir

 Jour 1
 Jour 2



SEASONAL PRECIPITATION FORECAST FOR SOUTH WEST INDIAN OCEAN BASIN
 VALID FOR NOVEMBER- DECEMBER- JANUARY 2013-2014
 ISSUED ON OCTOBER 30 2013
 PREVISION CLIMATIQUE SAISONNIERE DES PRECIPITATIONS
 DE NOVEMBRE-DECEMBRE- JANVIER 2013-2014, ELABOREE LE 30 OCTOBRE 2013



PWS activities 2013

- January 2013: preparation of the questionnaire

February 2013: realization of a survey of users (Feedback Users)

March 22, 2013: Conference debate on the vulnerability of water resources to climate change (Organized by the Comoros Weather Service in partnership with the National Department of Water).

Q.1 What is the name of Comoros official provider of weather information?

- Direction Nationale de la Meteo
- Service Weather Public
- National Agency of Civil Aviation en Meteorology (ANACM)
- Don't know

Q.2.a Can you please tell me all of the different ways in which you can find out weather forecasts in Comoros.

- Television
- Radio
- Newspaper/Press
- ANACM
- Internet



PWS activities 2013

March 23, 2013: On the occasion of World Meteorological Day, we set up booths theme including:

1. Meteorological Service of Air Transport
2. Meteorology and maritime safety
3. Meteorology and Disaster Management
4. Meteorology and food security

May 4, 2013: Celebration of the anniversary of the Department of Disaster Management

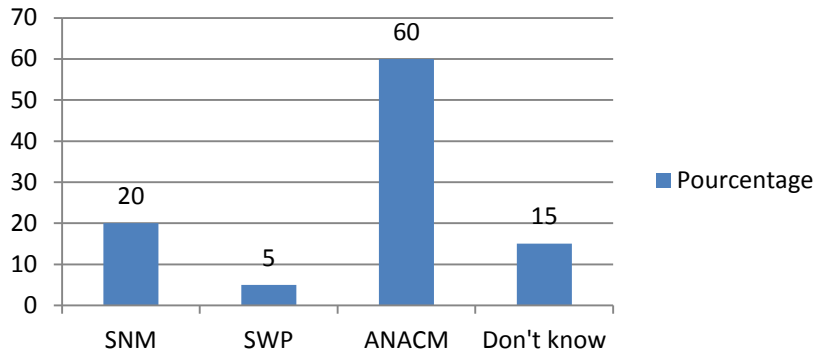
May 8, 2013: Celebration of the feast of science in a private school

INTERVIEW WITH MINISTER OF TRANSPORT

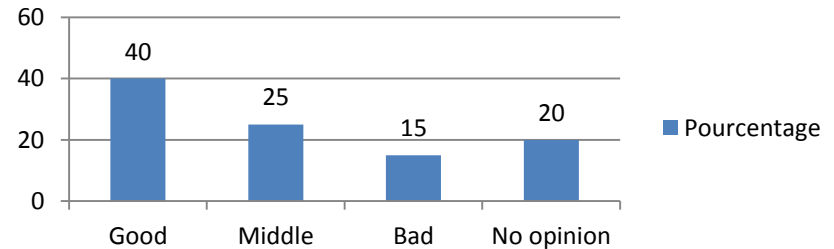


Some results of the survey (Feedback)

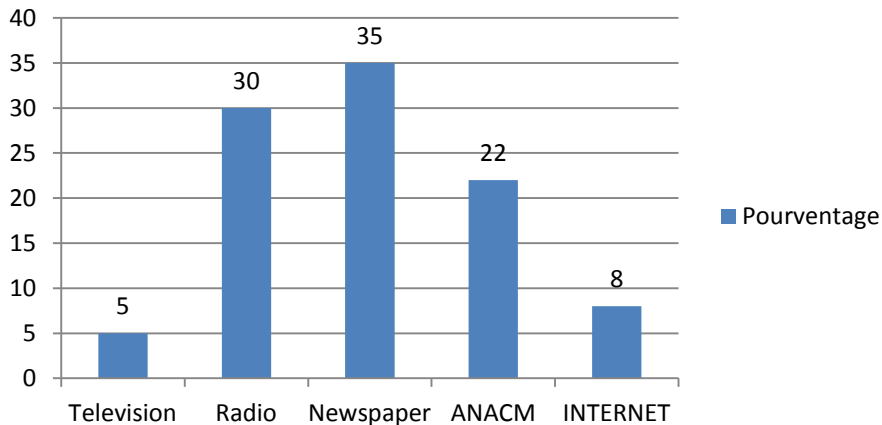
What is the name of Comoros Weather Service?



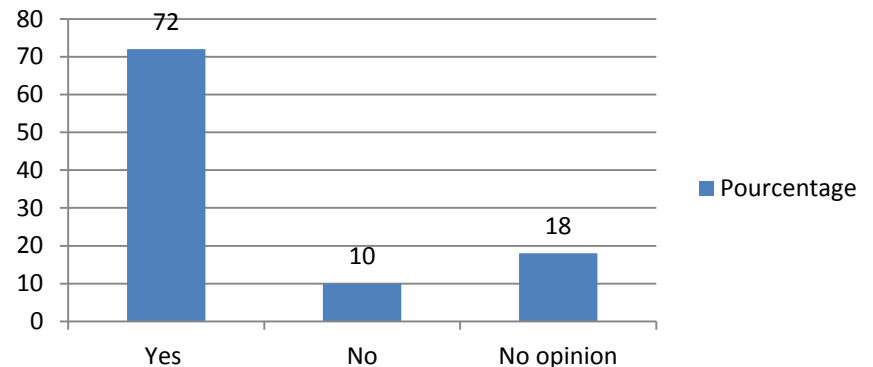
How do you find a survey the weather forecast given by ANACM?



The different ways in which you can find out weather forecasts in Comoros?



Will you like to show weather forecast on TV ?



Dissemination Channels

The weather forecasts are issued on

- National TV
- National Radio Station
- Newspapers
- Email (The Website is under construction)

The weather information is produced in French by ANACM and translated into local language by the radio stations in each localisation.

Challenges in working with the media in Comoros

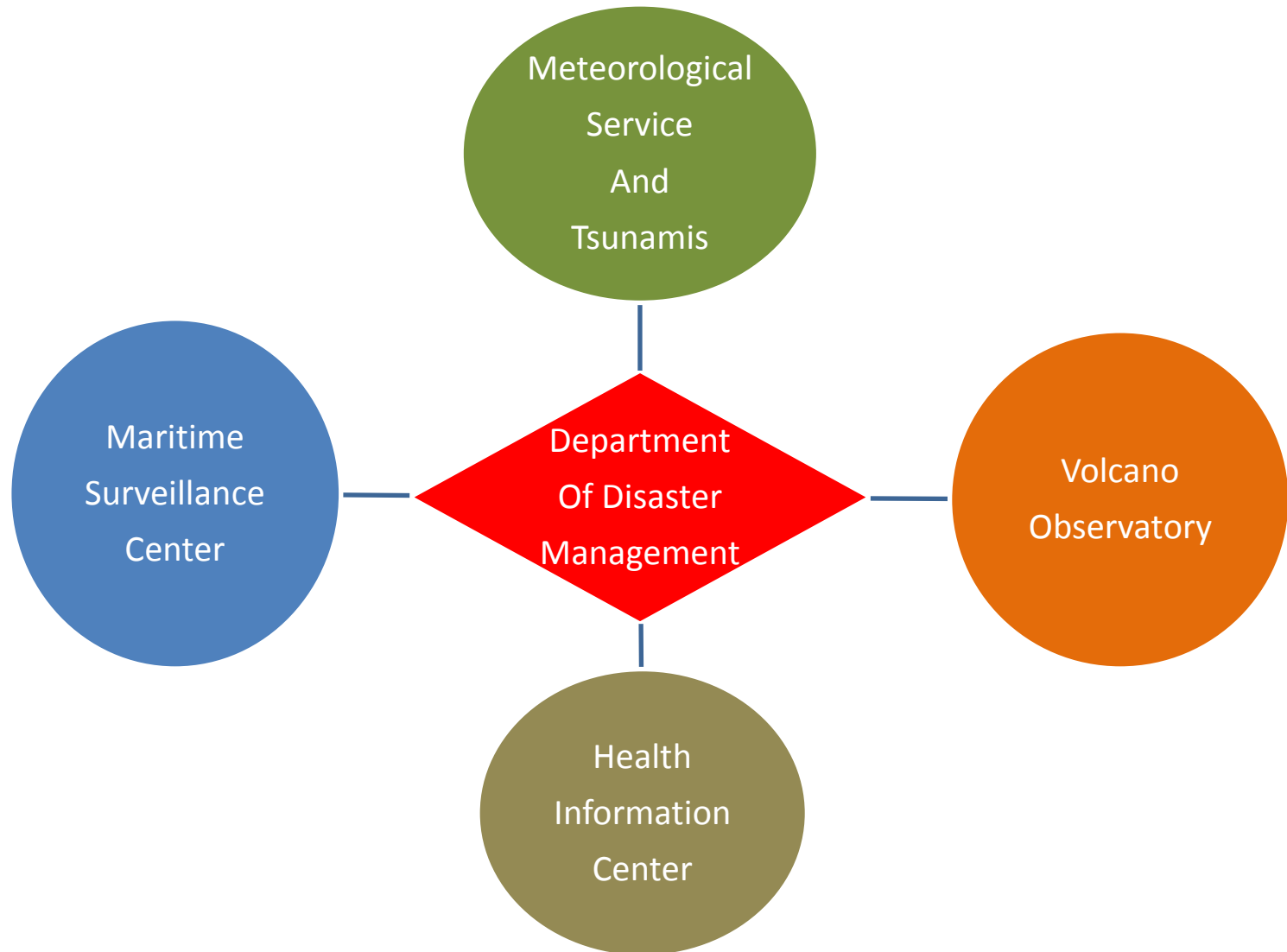
- Dissemination of weather forecast on the TV probably the month of January 2014
- Credibility
- Community Radio stations
- Good working relationship



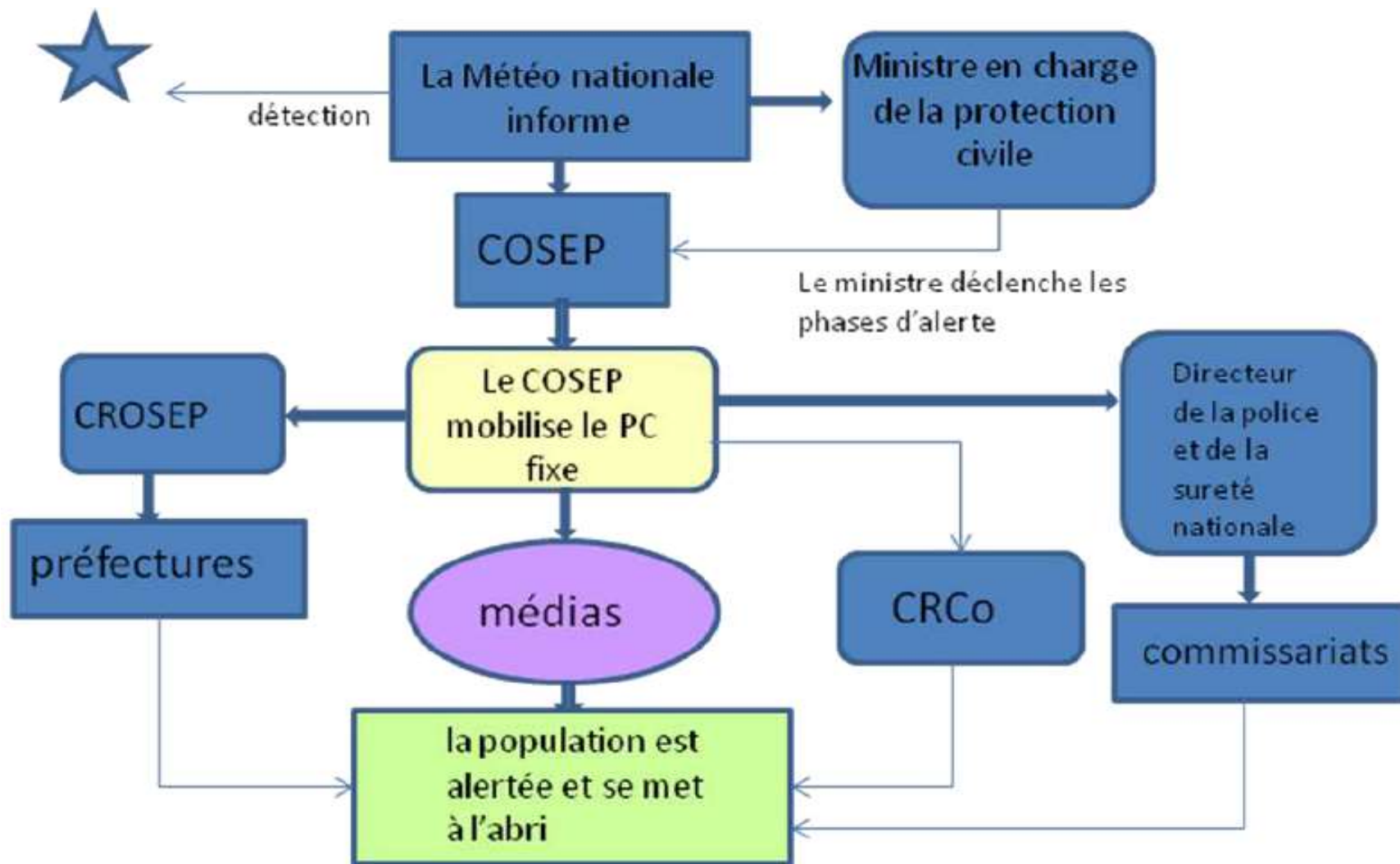
Service weather in Comoros/ Department of Disaster Management (Cooperation)

- Develop the Cyclone warning system.
- Develop the Tsunami warning system.
- Develop contingency plan.
- Develop the POLMAR plan (Marine Pollution).
- Organize awareness workshops on natural disasters.
- Develop the Flood warning system (in progress).
- Develop maps of vulnerability to hydrometeorological hazards

Erly warning system in Comoros



Warning system in Comoros/CYCLONE





**Thank you
for your attention**