

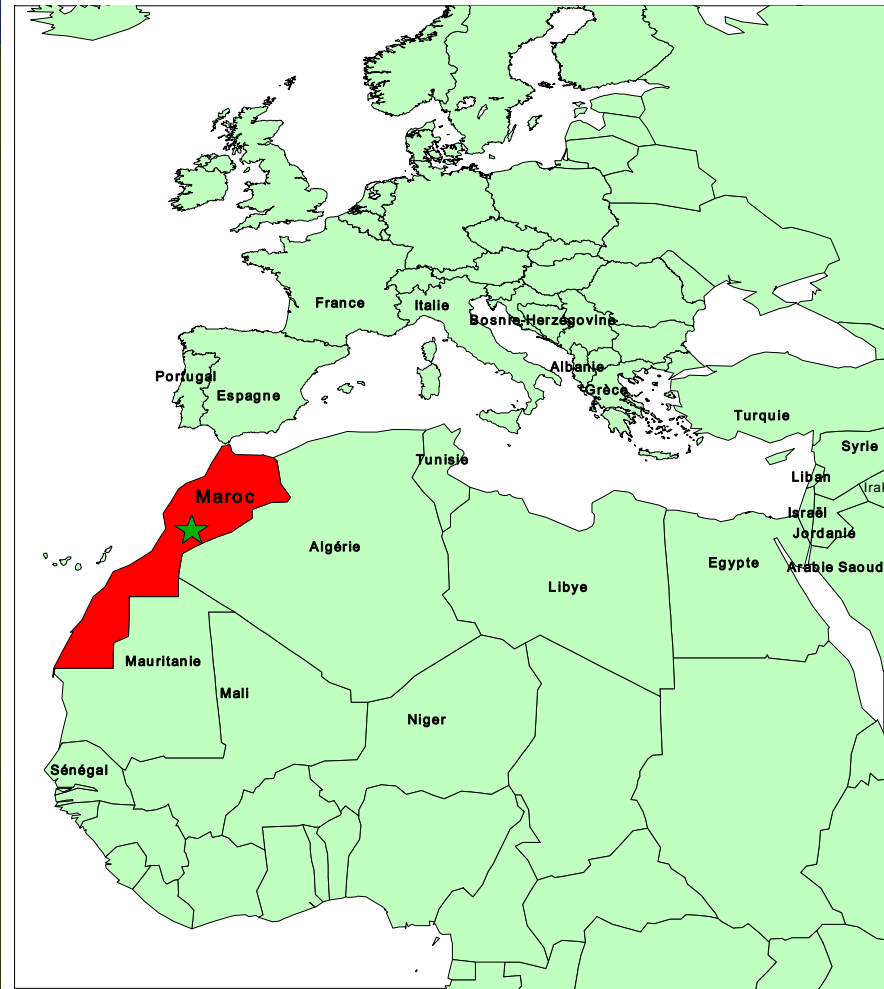
# **National Surveillance System in Morocco**

## ***Integration of alternative sources of information***



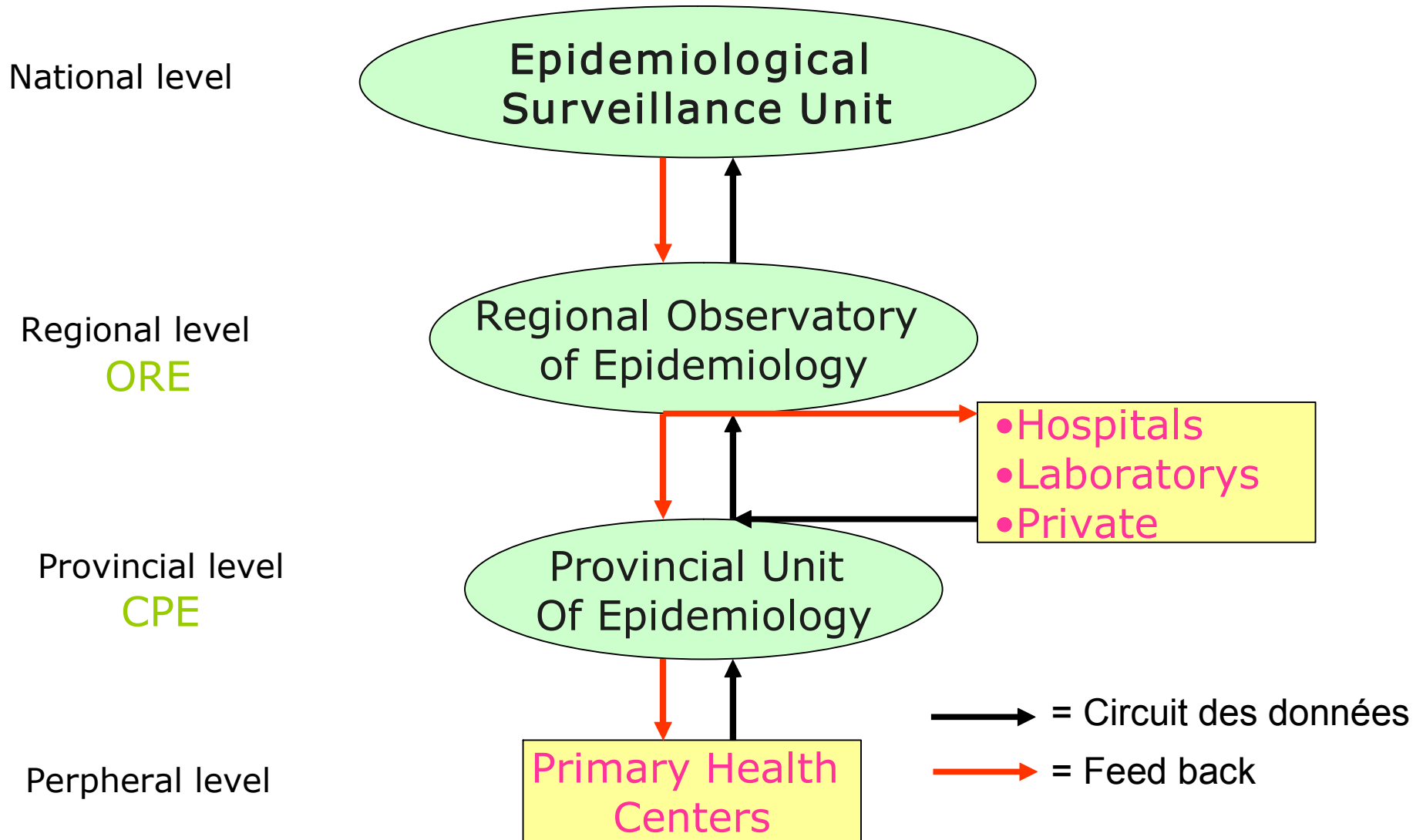
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***Dr M<sup>ed</sup> Youbi  
DELM / SSE***



- Administrative division : 16 regions, 69 provinces (districts)
- Population : 30.695.807

# Flow shart





# Source of informations

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- **Notification of diseases by health professionals**
  - **Mandatory Declaration of Diseases (MDO)**
  - **Other diseases or syndromes: Sentinel Surveillance**
- **Number of working halt prescriptions report: Flu sentinel surveillance**



# MDO in Morocco

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- **IHR Diseases**
- **Potential epidemic diseases**
- **Other diseases**
- **Unusual diseases or syndromes**
- **Every outbreak**

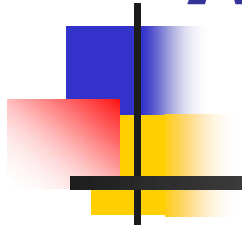


# Main objectives

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- **Monitor diseases trend and distribution**
- **Detect outbreaks: early warning system**
- **Evaluate health programs impact**
  
- **Guide epidemiological studys for more informations**

# Alternative sources of information





# Other departements (1)

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## Ministry of agriculture: Zoonosis

**Human cases of skin antracis linked to epizootie:  
march 2008 in Meknès district**

**Action: active human cases search**

**Result: 3 cases founded and managed**





## **Other departements (2)**

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### **Ministry of education**

#### **Skin diseases**

#### **Outbreaks**

#### **Action (Health school teams):**

- **Cases management**
- **Epidemiological investigation**
- **Feed back**



# **Administrative authorities**

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**Ministry of Interior to MoH**

**Governors to Health directorates**

**Specially outbreaks**

## **Actions:**

- **Verification of information**
- **Cases management**
- **Investigations**
- **Feed back**



# Media

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- **Media unit in the MoH**
- **Daily revue of every news paper and TV/Radio media**

**DELM contacted**

## **Actions:**

- **Verification of information**
- **Cases management**
- **Investigations**
- **Media communication**



## **Other sources**

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- **NGO & local associations: SARI outbreak on december 2006 in Khenifra district**
- **Rumors**

### **Actions:**

- **Verification of information**
- **Cases management**
- **Investigations**
- **Media communication**



# Prespective

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- **Drugs distribution surveillance**
- **Atmospheric pollution surveillance**



**Thank you for attention**

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# Situation réelle : décembre 2006

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- **Localité du Moyen Atlas, située à 200 Km de la CPE la plus proche :**
  - **72 Km de piste, bloquée par la neige (décembre)**
  - **Dispensaire le plus proche à 25 Km, avec un seul infirmier**
  - **Non couverte par le réseau téléphonique**
- **Epidémie d'une maladie respiratoire avec des décès**
- **Alerte donnée par un habitant**

**Autorités sanitaires alertées par une  
association locale, 2 semaines après  
la survenue du 1er décès**

