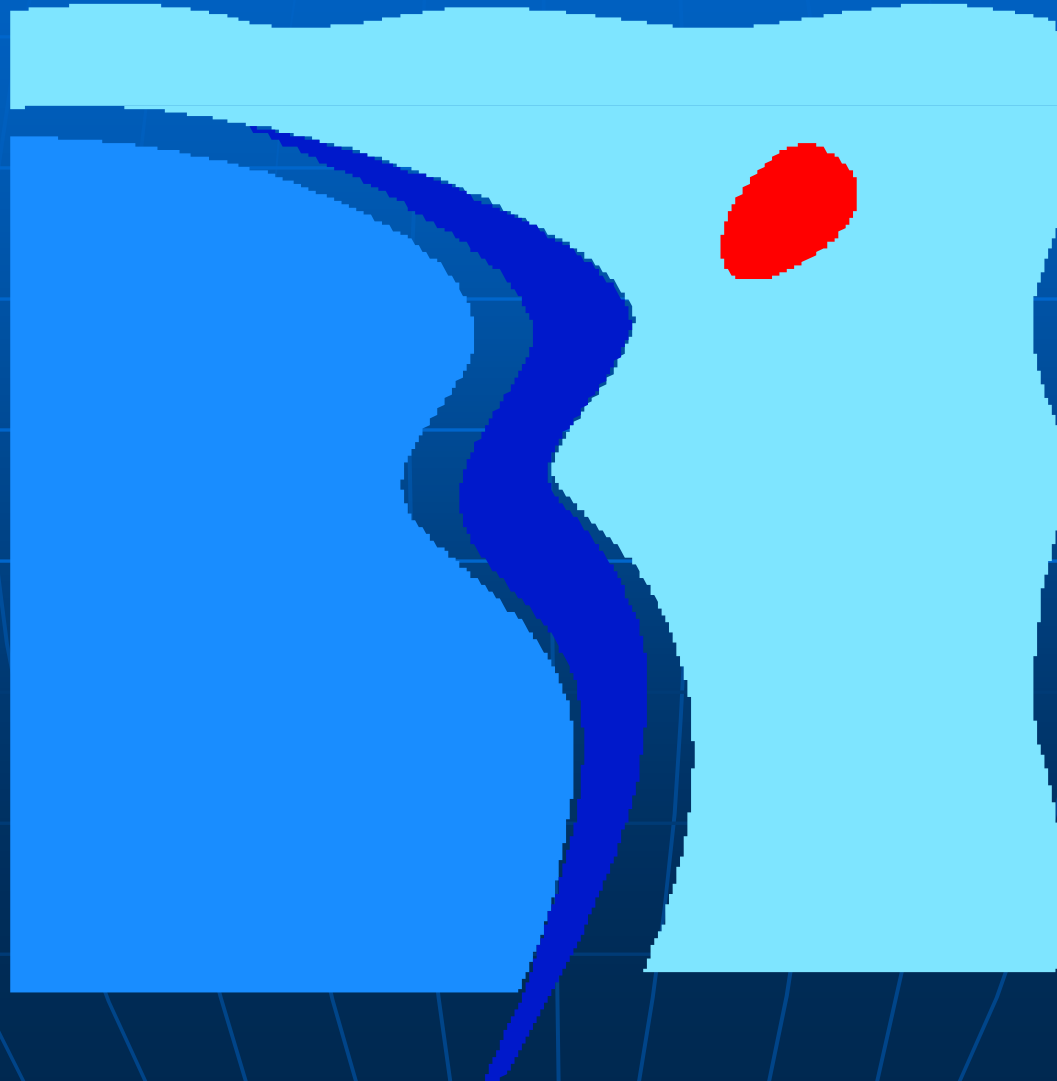


المكتب الدولي للمياه

Office International de l'Eau

International Office for Water



République du Liban



Création du Centre de Formation et d'Information aux métiers de l'eau

1. Le Système National d'Information sur l'Eau

**2. Le Centre National de Formation
aux métiers de l'eau**

République du Liban



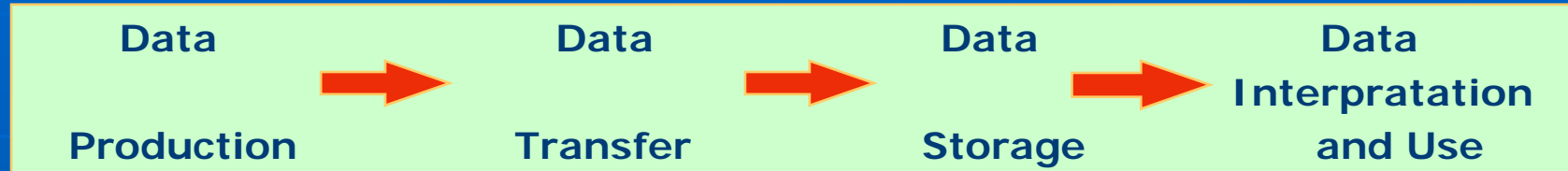
**Création du Centre de Formation
et d'Information aux métiers de l'eau**

1. Le Système National d'Information sur l'Eau

On ne peut pas bien gérer ce qu'on ne connaît pas!!!



INFORMATION SYSTEMS ARE COMPLEX



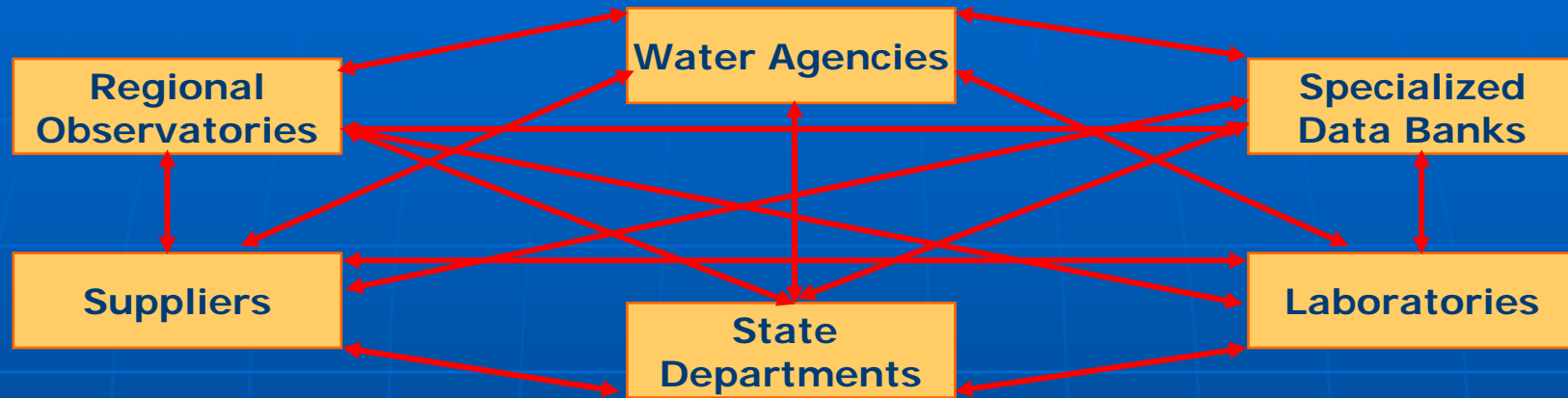
- measures
- withdrawals
- analyses
- location
- automatic
- on-line
- manual
- periodical
- Banks
- thematic
- geographic
- specialized
- general
- models
- expert systems
- warning
- telematic
- directories
- mapping
- assistance to decision-making
- publications

**INVESTMENT
AND
OPERATION**

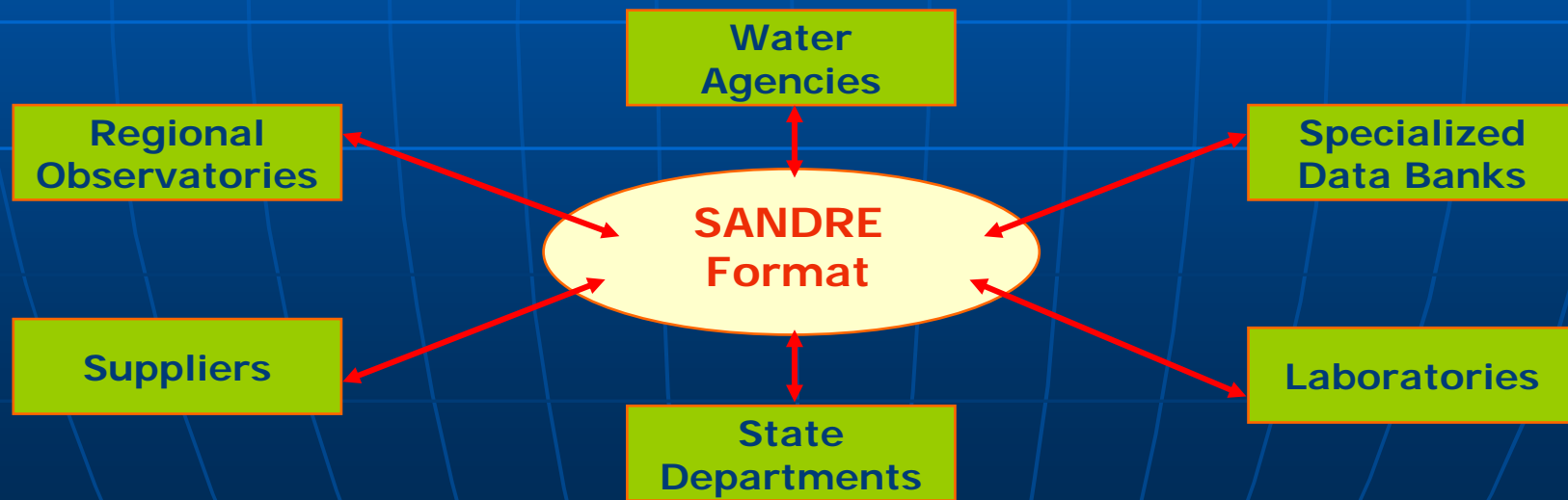
AUTOMATIC WARNING OR OPERATION SYSTEMS - "SLOW" SYSTEMS FOR STATISTICS

WATER INFORMATION SYSTEMS

As many exchange formats as users



A sole exchange format whatever the number of users

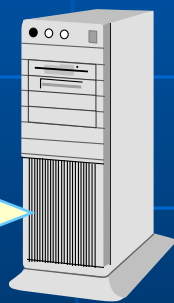


SYSTÈME NATIONAL DES DONNEES SUR L'EAU

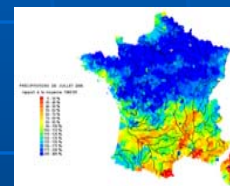
Validation



Internet



BNDE



produits

BD CARTHAGE

SIG

Partenaires



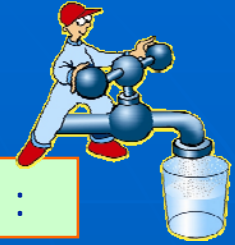
2. Le Centre National de Formation aux métiers de l'eau



Développer les compétences
pour mieux gérer l'eau!!



WATER PROFESSIONS - II -



The best staff structure in the water sector is estimated at :

- 500 to 700 staff members

- * for 1,000,000 inhabitants covered by a water supply service
- * for 1,000,000 inhabitants connected to a sewerage network

- 5 to 8 staff members

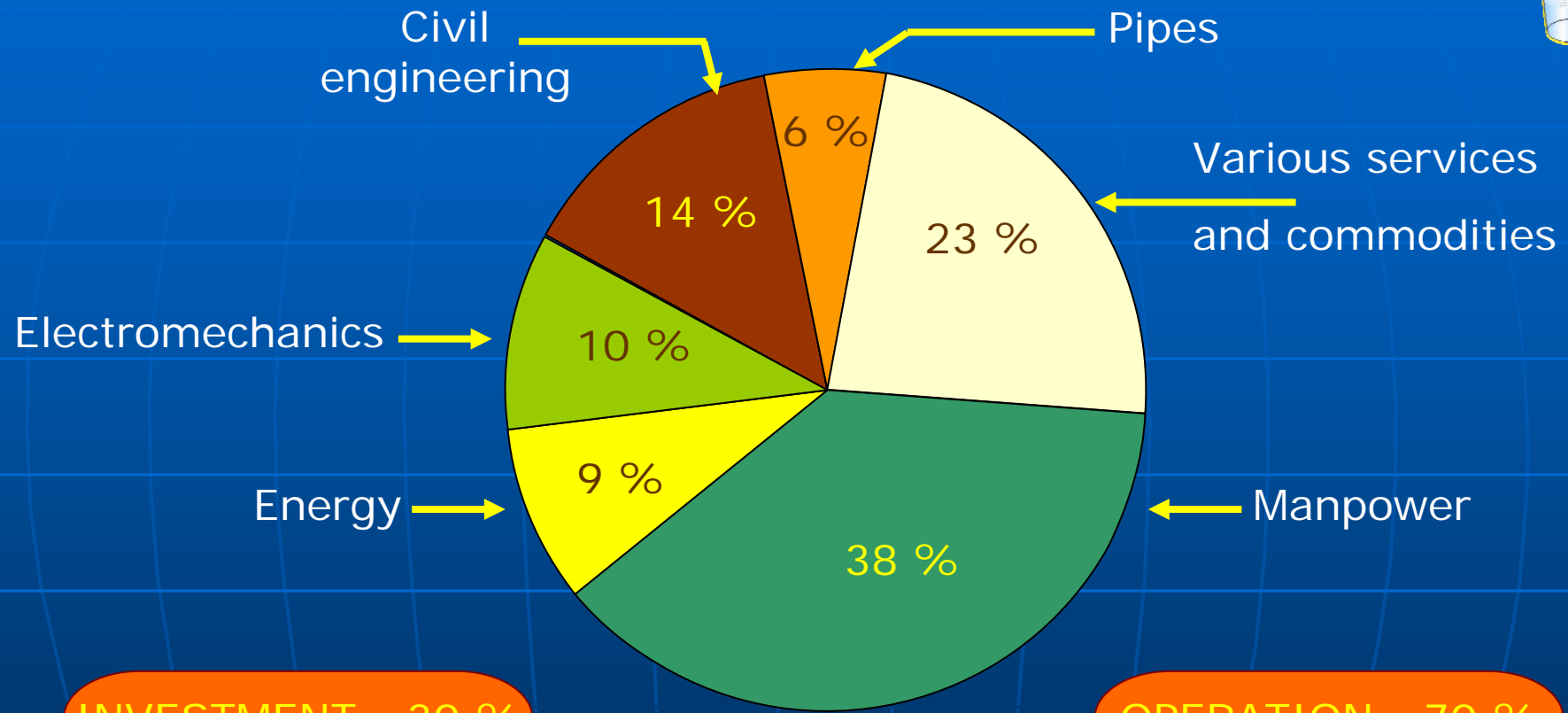
- * per 1.000.000 m³ used in the other sectors
(*hydropower, industry, irrigation...*)

- 80 % of workers and technicians

15 % of middle managers-foremen
5 % of engineers and senior executives



WATER PROFESSIONS - III -



INVESTMENT : 30 %

OPERATION : 70 %

Personnel costs represent :

- 38 % of the total water cost
- 55 % of operating costs



TRAINING FOR WATER PROFESSIONS



VARIOUS SPECIALIZATIONS

Administration - organization

Financial and economic management

Project studies - Operation management - Planning

Operation and maintenance of facilities

Organization of information systems

Environmental protection

- Environmental impact assessment
- Ecological balances

Relations with the users and the public



The French National Water Training Centre



International Office for Water



- « CNFME » -
THE FRENCH NATIONAL WATER TRAINING CENTER





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THE FRENCH NATIONAL WATER TRAINING CENTER





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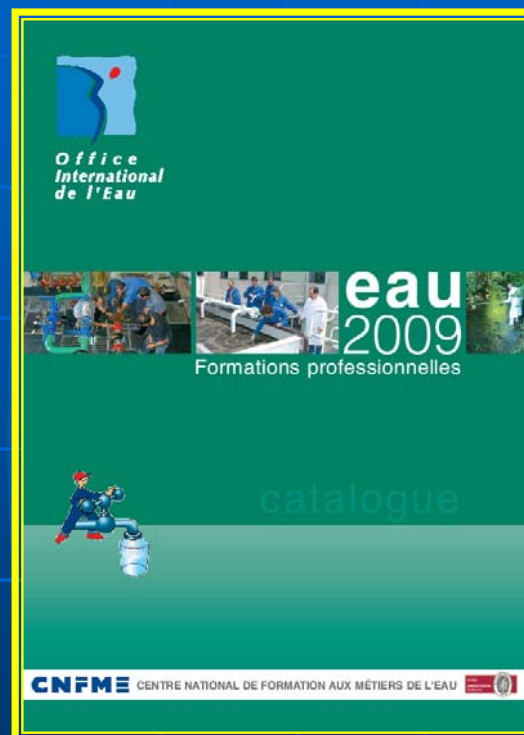


- « CNFME » -
THE FRENCH NATIONAL WATER TRAINING CENTER





445 sessions aux catalogues 2009,
6,500 trainees each year



LE CNFME

Le Centre National de Formation aux Métiers de l'Eau



NATIONAL TRAINING CENTRES FOR WATER PROFESSIONS

**The International Office for Water
offers its support
to the Capacity Building
of associated Training Institutes
all over the world .**

- ADMINISTRATION
- MANAGEMENT
- OPERATION
- MAINTENANCE



**A GLOBAL APPROACH
TO WATER RESOURCES MANAGEMENT**



TRAINING CENTRE IN MEXICO





TRAINING CENTRE IN MEXICO



Arabie Saoudite



Algérie

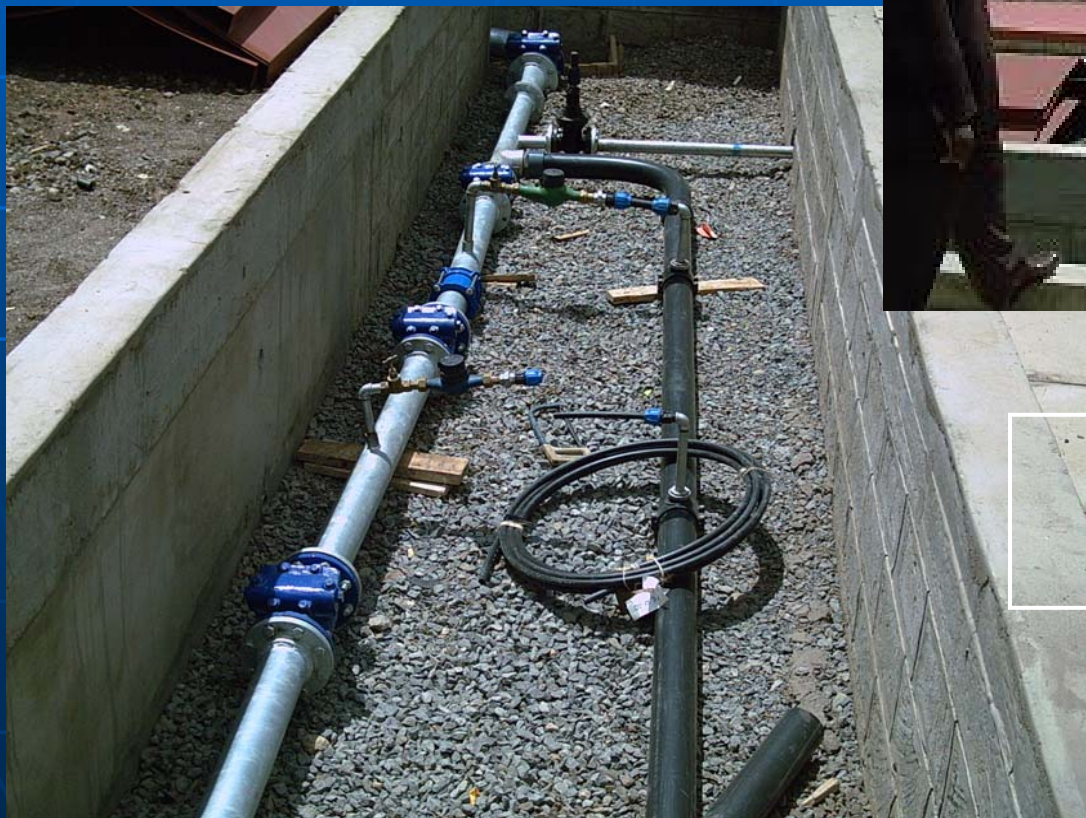


Training platforms: water networks

SOUTH AFRICA



Training Platforms – Water Networks



KENYA



Pologne



International Network of Water Training Centers INWTC – December 2008 -Paris



15 pays:

Algérie, Benin, Burkina Faso, Kenya, Laos, Liban, Mali, Maroc, Pologne, Togo, Tunisie, Ouzbékistan, Viêtnam, France, Liban et Mexique...



THANK YOU



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