

Royaume du Maroc
Ministère Chargé de l'Aménagement du
Territoire de l'Eau et de l'Environnement
Secrétariat d'Etat Chargé de l'Eau

P A G E R
Programme d'Approvisionnement
Groupé en Eau potable
des populations Rurales

PLAN OF PRESENTATION



**CONDITIONS OF WATER SUPPLY IN RURAL AREAS
BEFORE PAGER**



PAGER OBJECTIVES



PAGER ORGANIZATION



FINANCING



METHOD OF IMPLEMENTATION



PRINCIPLE



PARTICIPATORY APPROACH



RESULTS AND IMPACT

CONDITIONS OF WATER SUPPLY IN RURAL AREAS BEFORE PAGER



To look for water, children especially young girls, were constrained to cover a long distance (sometimes more than 10 Km)



Population used for drinking superficial water (rivers, seguia) without any treatment, exposed to sanitary risks.

Precariousness of water supply



Water supply points in bad conditions of their surrounding.

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OBJECTIVES



MAIN OBJECTIVES

● To generalize the access to drinking water in rural areas in medium term:

- * 31 000 villages
- * 12 million inhabitants
- * 10 billion Dirhams (1 billion \$)



EXPECTED RESULTS

- To reduce water-related diseases;
- To free up women from water conveying tasks;
- To free up children from water supply tasks to be able to go to school;
- To decrease rural communities exodus.

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ORGANIZATION

- ➡ **Rural Commune : Legally the responsible of water equipments**
- ➡ **Implementation given to the State Secretary of Water and to National Office of Drinking Water (ONEP)**

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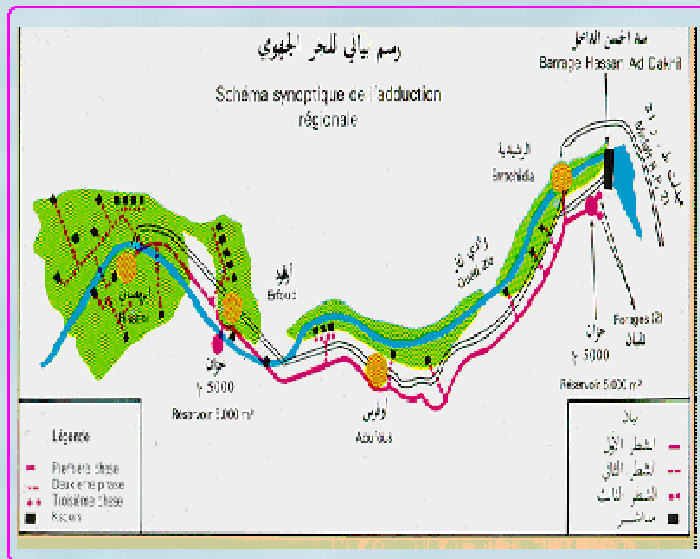
TYPES OF EQUIPMENT



Electrical or Thermic Pump

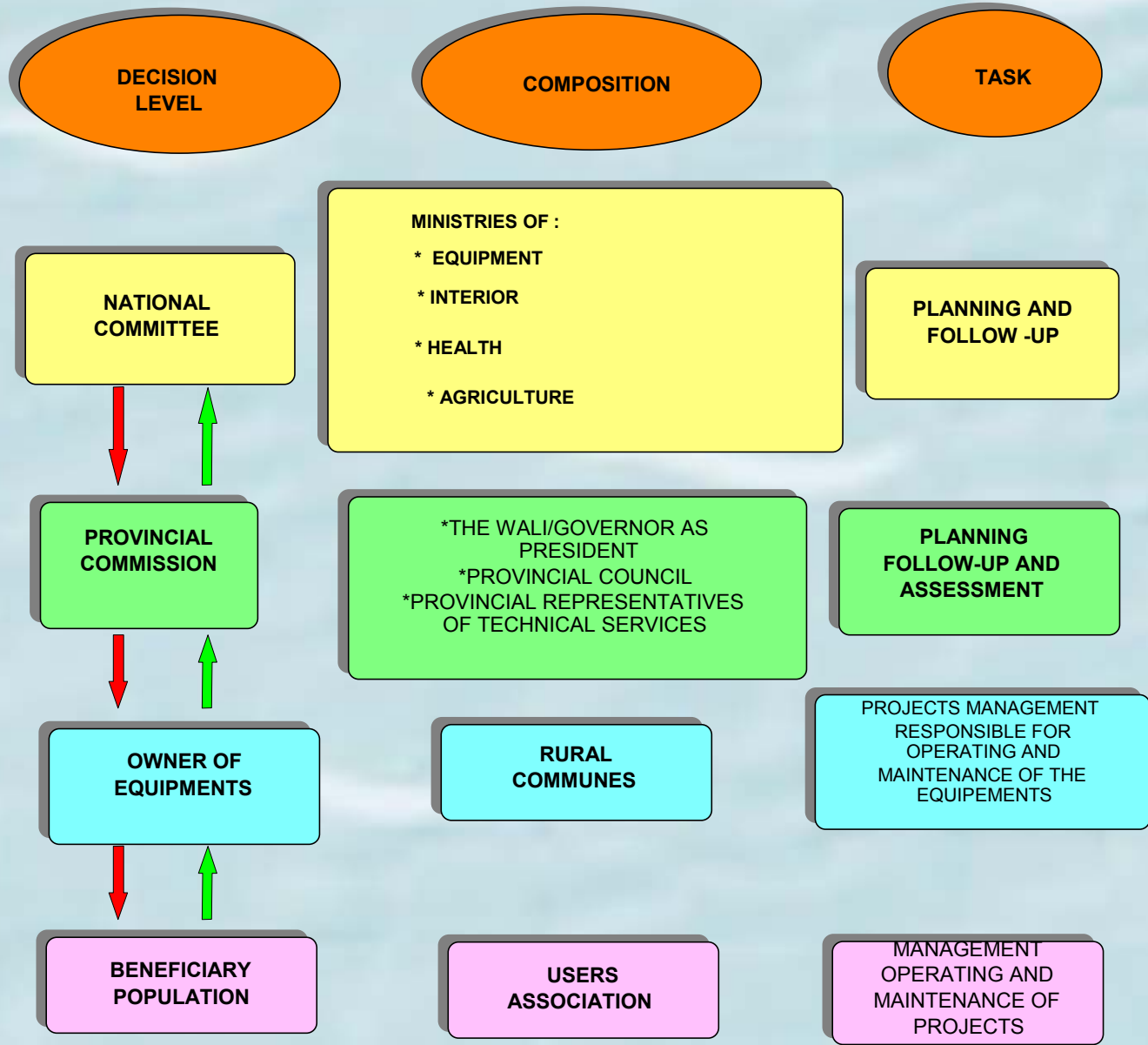


Solar Pump



Connection to regional water supply pipelines

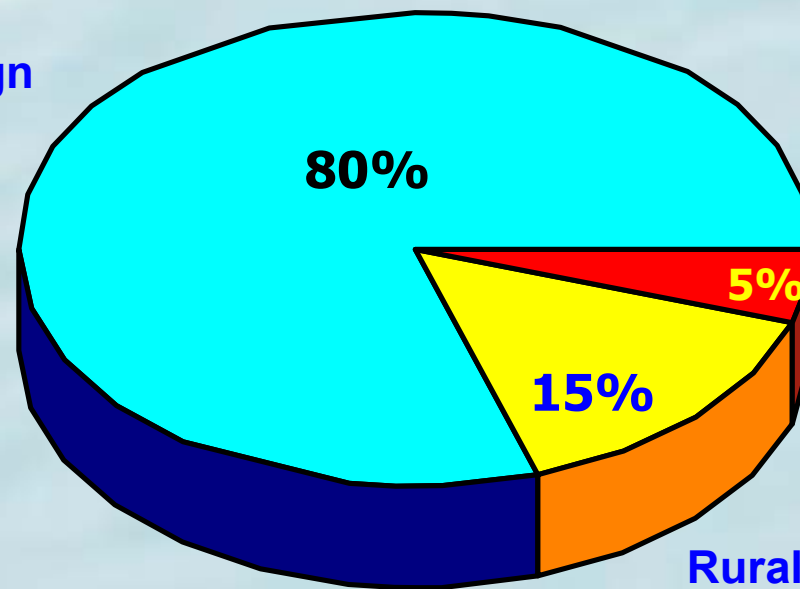
PAGER ORGANIZATION



PAGER

FINANCING

State and foreign
Financing



Beneficiary
Population

Rural Commune

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METHOD OF IMPLEMENTATION / PAGER PRINCIPLE

To realize simple systems allowing to :



- ☑ Privilege the access instead of comfort and to adapt the projects to the social demand.
- ☑ Make easier their maintenance and their operating to be undertaken by the users.

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METHOD OF IMPLEMENTATION / PARTICIPATORY APPROACH

Statement

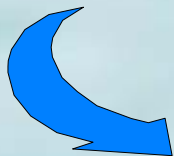


Many facilities realized in the past were out of service :

- *Population weren't asked for their opinion ;*
- *The communes and population hadn't been associated to the management of facilities.*



Some projects which were realized with participation of local communities were successful (in south of Morocco)



**PARTICIPATORY
APPROACH**

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PARTICIPATORY APPROACH

Aims



- ✓ To grow up communes and population awareness
- ✓ To conceive projects with communes and population
- ✓ To lead communes and populations to Participate in the investment and to take in charge the management of facilities.
- ✓ To organize and train the users for operating and maintaining the equipments



PARTNERSHIP



- Population
- Communes
- State

Convention



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PARTICIPATORY APPROACH



Population participates in :

- **Analysis** of their present drinking water situation ;
- **Confirmation** of drinking water **priority**;
- **Conception** of appropriate projects.



Population becomes convinced to undertake management and maintenance of the equipments.



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PARTICIPATORY APPROACH

▶▶▶▶ At province level, animation team has been created and trained on techniques of participatory approach.

▶▶▶▶ It is Composed with 3 or 4 persons specialist in :

- Water Engineering ;
- Animation ;
- Health.

▶▶▶▶ They are given all necessary tools

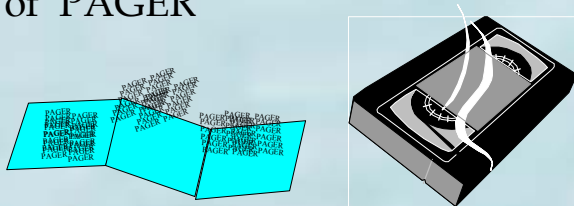


PAGER

PARTICIPATORY APPROACH TOOLS

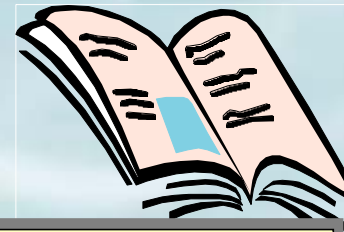
Video film

To inform and make sensitive the local responsible to the approach and the principles of PAGER



Box of pictures

Illustration plates used to create drinking water needs and to help population to conceive their drinking water supply system



Poster

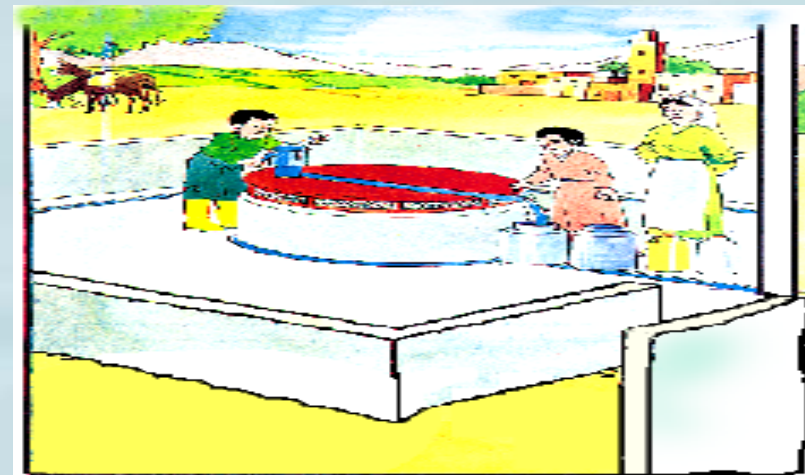
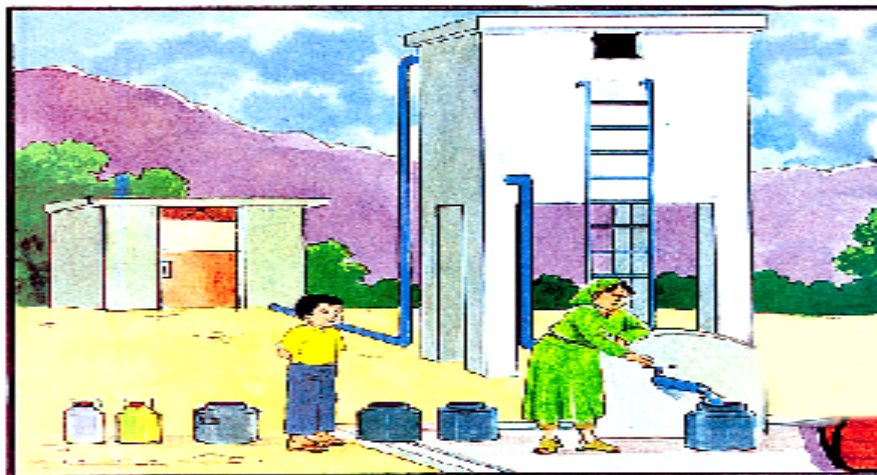
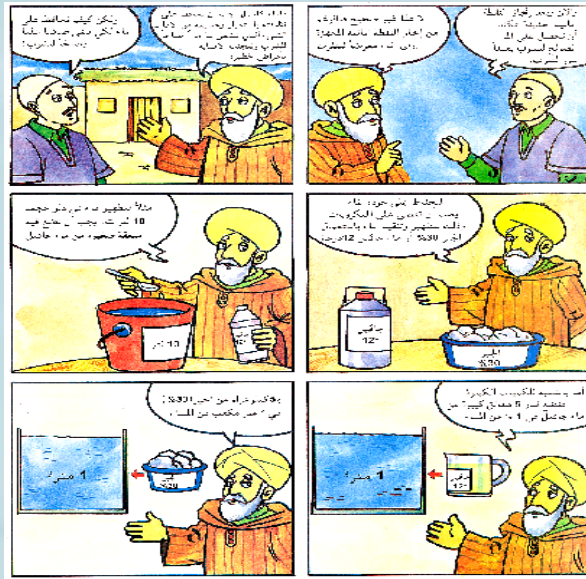
To make children and Women sensitive to the necessity of drinking soft water and to protect water point.

Technical guide

Conceived for the animator teams to implement the PAGER

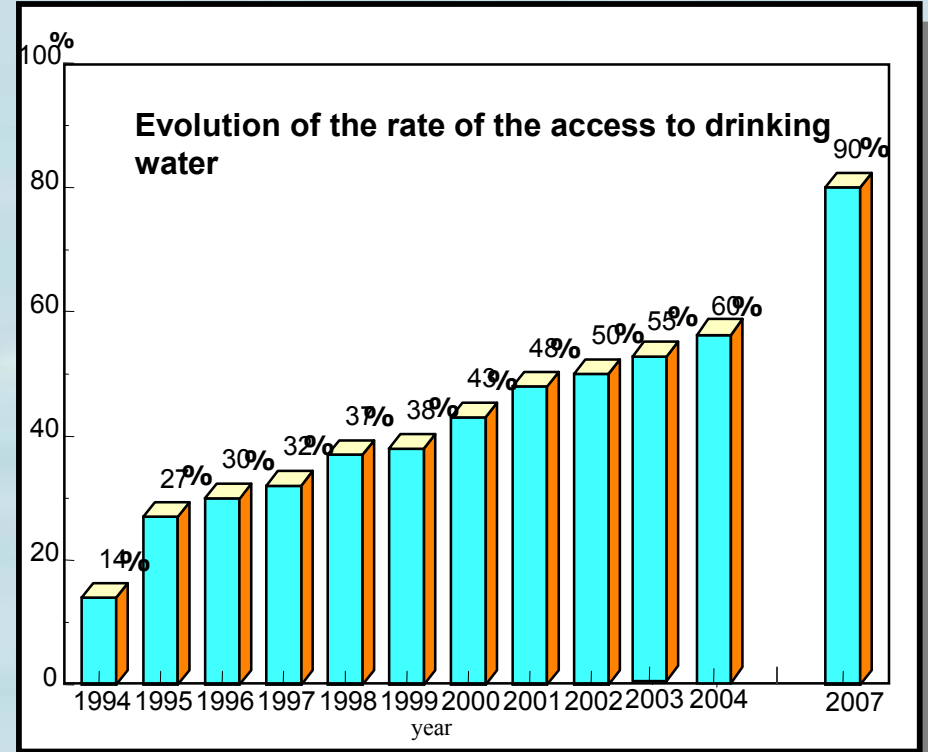
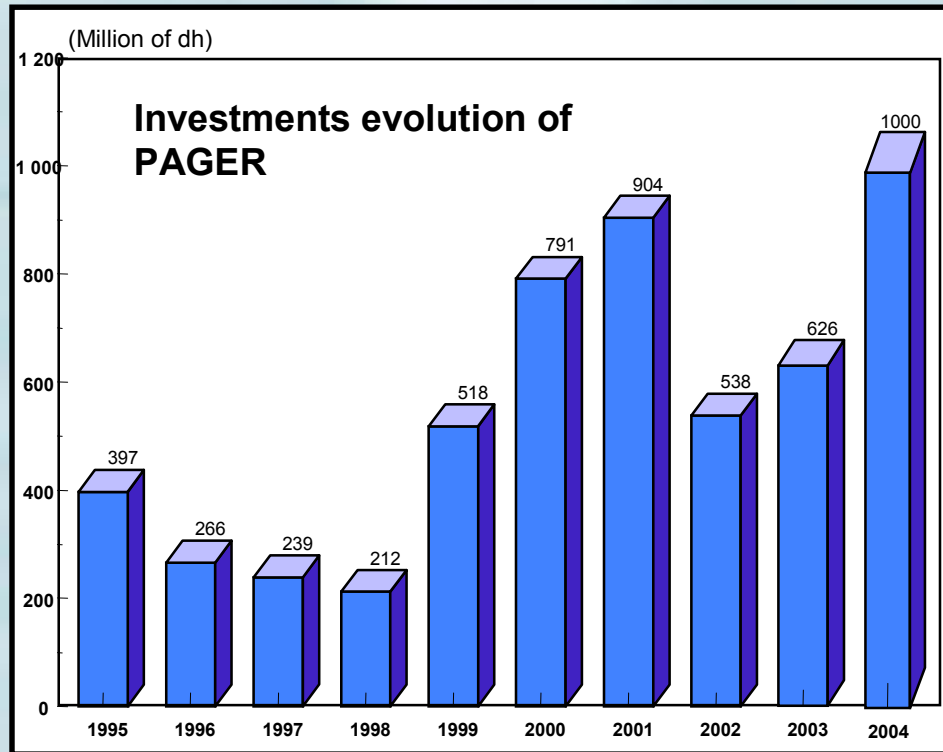
PAGER

TOOLS (BOX OF PICTURES)



PAGER

RESULTS



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RESULTS

Rate of access to the drinking water : 55% en 2003

Improvement of hygienic conditions.



Rural exodus is reduced by the creation of employment; 500 000 work days are created every year.

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RESULTATS



Improvement of children schooling rate especially young girls.

World Bank assessment in 2001:

- Increase of the schooling rate of 16%;
- Increase of the retention rate of 19%.



Women are liberated from water supply tasks to do other income generating activities : handicraft, cattle raising,...

