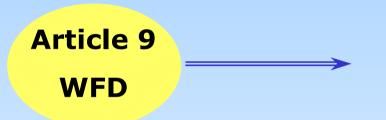


Ovidiu Gabor
National Administration "APELE ROMANE"

RECOVERY OF COSTS FOR WATER SERVICES



"Member States shall take into account of the principle of the recovery of the costs of water services including environmental and resource costs"

Article 2
#38

"Services for households, public institutions or any economic activity:

- abstraction
- impoundment, storage,
- treatment and distribution
- wastewater collection and treatment facilities which subsequently discharge into surface water"

RECOVERY OF COSTS FOR WATER SERVICES

COSTS FOR ASSURE WATER RESOURCES TO ALL END-USERS

+

COSTS FOR
WATER SERVICE:
-ABSTRACTION
-STORAGE
-TREATMENT
-DISTRIBUTION
-WASTE WATER
COLLECTION
-TREATMENT



EVEROMENTAL COSTS

National Administration APELE ROMANE ECONOMICAL MECHANISM

present and future

ECONOMICAL PRINCIPLES for water resources sustainable development:

- BENEFICIARY PAYS:
- System of payments for specifically water management services for all users

Tariffs for achievement the specific water management services: divided by source (surface, groundwater and Danube) and by user (agricultural, industrial, population)

Tariffs for quantitative and qualitative monitoring and improvement of pollutants from waste water discharge

POLLUTER PAYS:

Penalties for exceeding the admitting maximum concentrations of pollutants from waste water discharge

Monitored indicators:

Chemical: general, specifically, toxic and very toxic

Bacteriological

Physical

Beneficiary stimulation - bounties

For reducing the water quantity consumption

For improving the water quality

FUTURE POLICY IN WATER FIELD

- A **cost recovery policy** to stimulate the users for an efficient use of water resources
- Based on "cost recovery for water services" principle including environmental and resource cost and polluter pays principle
- New economical mechanism for quantitative and qualitative resource water management involves:
 - system of contributions;
 - payments, penalties and bounties

FUTURE POLICY IN WATER FIELD

- It will assess appropriate **contributions** of different kind of users (industry, agriculture and domestic use population)
- Contributions will be based on:
 - specific economical development of each RB
 - social effects in each RB
 - specific geographical and climatological conditions
- Contributions will be:
- Using water resources divided by users (industry, agriculture, population) and resource (surface, groundwater and Danube)
- for waste water discharging
- for hidroenergetical potential

FUTURE POLICY IN WATER FIELD

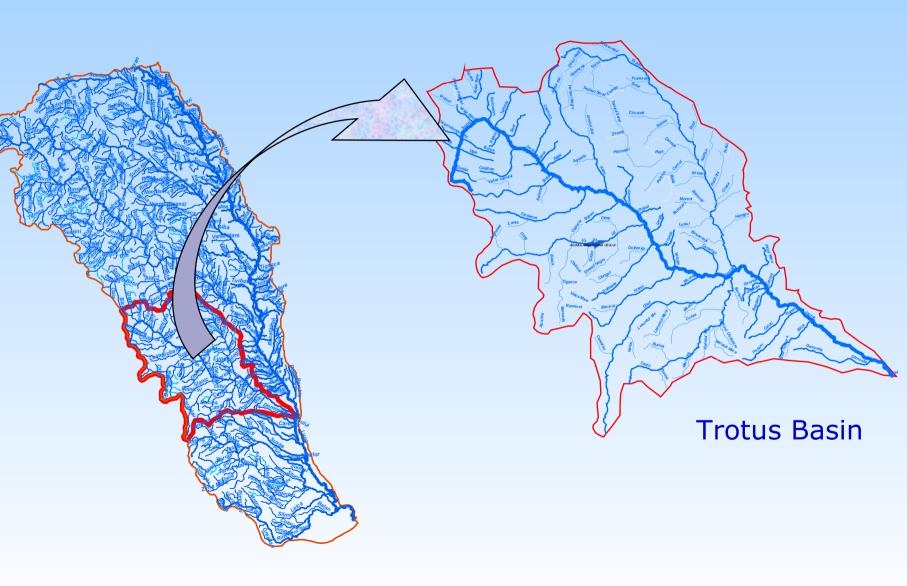
Goals:

- recovering the operational and maintaining costs
- partial financing new investments from ANAR incomes
- Level of contributions and tariffs has to ensure partially financing to:
 - reduce the pollution;
 - implement other water directives
- ensure founds for covering an amount of assessing costs
- ensure founds for covering potential environmental damages

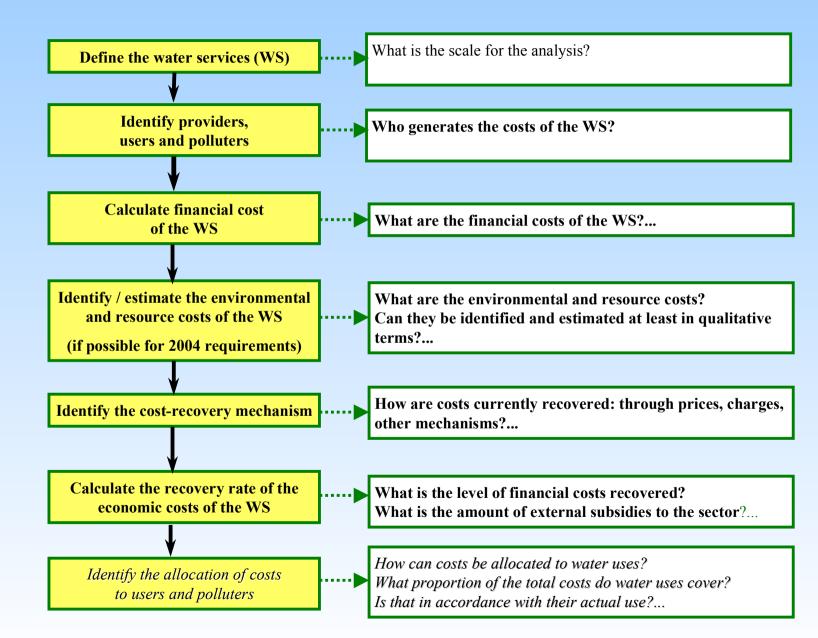
Cost recovery for water services

CASE STUDY TROTUŞ RIVER BASIN

SIRET RIVER BASIN



FLOW CHART FOR REPORTING ON COST RECOVERY



1. DEFINITION OF THE "WATER MANAGEMENT" SERVICES

ANALYSIS SCALE

WATER SERVICES

WATER USES

(main uses)

SOURCE OF THE DATA

ORIGIN OF WATER

- Trotuş river basin

 - "water management" services done by Siret Water Directorate (Siret WD)

- water companies (households)

- industry

- Siret WD database

- surface water 99%

 ground water < 1% (negligible for this first assessment)

VOLUMES ABSTRACTED

(in 2002)

- households - 24 Mm³

- industry - 91 Mm³

IDENTIFICATION OF THE SERVICES

SPECIFIC SERVICES

- assurance raw water to end-users
- monitoring of surface water quality and protection of water resources
- assurance the level in the reservoirs for energy production

COMMON SERVICES

- treatment and distribution of drinking water
- transport drinking water to the user

OTHER SERVICES

- monitoring and removal of accidental pollution
- water quality analysis

2. IDENTIFICATION OF PROVIDERS, USERS AND POLLUTERS

- WATER MANAGEMENT SERVICE PROVIDER
 - Siret Water Directorate
- > USERS
 - 11 water companies (households and industry)
 - 4 individual households
 - 24 industrial users
 - 1 hydropower user
 - flood protected objectives : 80 localities
 - lands 8100 ha

- POLLUTERS
 - 11 waste water discharges

3. FINANCIAL COSTS Resources

Types of financial costs	Description	Value (€)	Comments
Operating costs	 exploitation and maintenance of hydrolic works, maintenance of watercourses exploitation and maintenance of the drinking water plant and pipes hydrology information system (dispatcher) monitoring, quality analysis controle, guidance, administrative costs 	1 296 199	- data come from Siret WD's database
Capital costs	- depreciation costs	-	 included in operating costs
TOTAL		1 296 199	

4. ENVIRONMENT COSTS

Environment costs	local monitoring of resouces and removal of accidental pollutions	- invoice sent by Siret WD to the polluter (plus 169,000 EURO extra time of the employees extra fuel, materials used for the pollution effects removal)
	pressure and influence of end- users developmenting to water resouce	- not identified yet
TOTAL		169 000

5. COST RECOVERY MECHANISM (2)

Financial	Tarrifs for:	
costs	 assurance raw water to end-users assurance the level in the reservoirs for energy production 	different by source and by use
	- monitoring water quality and protection of water resources after discharging	different by type of substance
	- transportion drinking water to the user	negociation Siret WD - users
	Prices for:	
	- treatment and distribution of drinking water	approval-Office of Concurence
nvironmental costs	- issue of invoices based on the Water Law	the non real costs for monitoring and removal of accidental pollution
	pressure and influence of	
	end-users development to water resouces	-

6. COST RECOVERY RATE

Cost Recovery Rate = Total revenues - Subsidies

Total costs

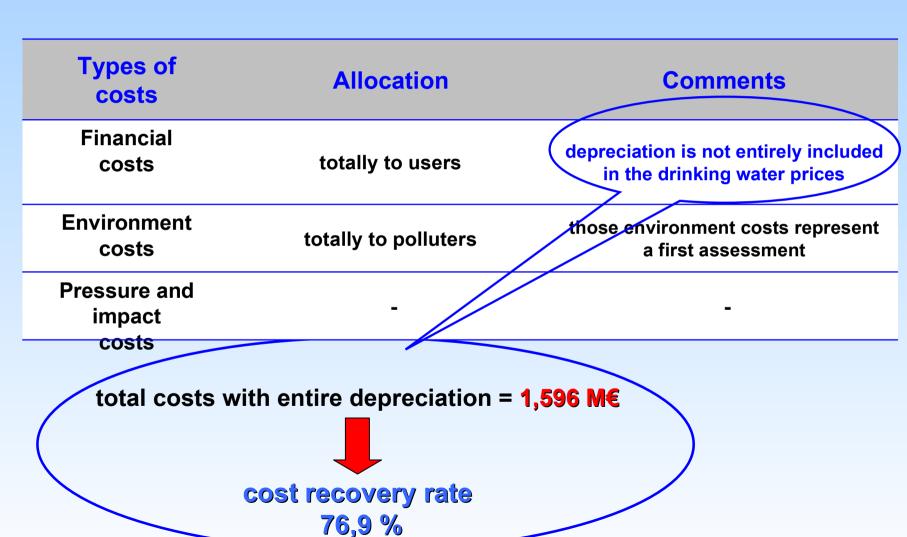
Total costs

Total revenues 1,228 services paid + environment

Subsidies -
Total costs 1,465 financial + environment

cost recovery rate 82,3%

7. ALLOCATION OF COSTS TO USERS AND POLLUTERS



WHAT TO DO NEXT REGARDING COST RECOVERY

ENSURE

- that water-pricing policies provide adequate incentives to use water resources efficiently
- an adequate contribution of different water uses to the recovery of the cost of water services......

Disaggregated into at least industry, households and agriculture

... having regard to

- the social, environmental and economic effects of the recovery
- the geographic and climatic conditions of the region