



Implementation of the WFD in Greece

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14 RB Districts
(5 international)

45 River Basins

Υπόμνημα
Λεκάνες Απορροής
GR02
Υδατικά Διαμερίσματα
Κρήτης

ADMINISTRATIVE STRUCTURE

Inter- Ministerial,
for formulation of
national water
policy & approval
of first RBMPs

NATIONAL
WATER
COMMITTEE

NATIONAL
WATER
COUNCIL

Stakeholders

MINISTRY OF
ENVIRONMENT
ENERGY AND
CLIMATE CHANGE

SPECIAL
SECRETARIAT
FOR WATER

Responsible for the
implementation of the national
water policy and RBMP at
National Level

REGIONAL
ADMINISTRATION

13 WATER
DIRECTORATES

Responsible for the implementation of
the RBMPs at Regional Level & approval
of subsequent RBMPs

REGIONAL WATER COUNCIL

Stakeholders



Available data

- Surface waters:
 - monthly & annual river flow (previous study cycle)
 - chemical & physico-chemical water quality data, special pollutants & priority substances [Chemical Lab of the State]
 - biological water quality data: mainly benthic invertebrate fauna (for ~40% of surface water bodies) & phytoplankton [Hellenic Center for Marine Research, HCMR & Greek Biotope/Wetland Center, EKBY]

- Groundwater quantity and quality data [Institute for Geology and Mineral Exploration, IGME]



Legislative actions

➤ Threshold values for groundwater, national level:

- physico-chemical: pH & conductivity
- metals: As, Cd, Pb, Hg, Ni, Cr, Al
- ammonium, chlorides, sulphates, nitrates
- total & active pesticides
- man-made synthetic substances

Notes:

- Higher values permitted where background values higher
- Additional/lower values required for (natural or human) uses

➤ Transposition of Directives 2006/118/EC, 2006/11/EC, 2007/60/EC, 2008/105/ EC, 2008/56/EC, 2009/90/EC etc



Guidance documents

- European Commission guidance documents
- Guidance documents issued for:
 - river typology ⇒ definition & characterisation of surface bodies
 - river classification incl. biological index (mHES) for benthic invertebrate fauna
 - definitions of heavily modified & artificial water bodies
 - criteria for the definition of groundwater bodies
 - methodology for classification of groundwater bodies
 - methodology for environmental & resource costs
 - definitions of basic measures (common to all RBDs)
 - projections of future financial resources
 - methodology for prioritisation of measures



Public participation: main actions

- Establishment of interactive web site wfd.opengov.gr (50% of households has internet access, 2010)
 - 1st level contains simplified information about main issues
 - 2nd level includes draft RBMPs & supp. documents for download

Possibility of comments on all documents.
- At least 2 open meetings in each RBDPress releases in the local media
 - Simplified documents prepared
 - Regional political & administrative structure involved
 - Special invitations sent to main stakeholders, NGOs, media
 - Local press conferences of the Special Secretary
 - questionnaires disseminated
- Specialised meetings with main stakeholders



Public participation: feedback

- The average participation in the open meetings was ~180 persons – relatively high for the Greek standards.
- All submitted comments of the participants in the meetings were uploaded to the web site.
- Meetings are filmed to record all the comments of the participants so that they can properly be incorporated in the final RBMP
- Written comments in the site were classified/evaluated in view of their incorporation in the final RBMP
- Answers to the questionnaires are statistically elaborated for assessment of main public opinion trends



Present state of RBMPs

Process of RBMP preparation started in 2009

6 contracts awarded for preparation of RBMPs (14 RBDs in Greece); of these:

- ✓ 4 contracts for 10 RBDs concluded.
 - 5 RBMPs approved
 - 5 RBMPs to be approved asap
- ✓ 2 contracts (4 RBDs) pending; target for end of year



Monitoring Network

- Design of a comprehensive program for water quality and quantity management
- Monitoring of all parameters required by WFD and Daughter Directives (biological, priority substances, quantity, etc.)
- Production of complete water status reports.



Program of measures

Includes:

- basic measures: common for all RBMPs
- supplementary measures: for all water bodies with lower than good status with objective to achieve it
- measures prioritised depending on:
 - effectiveness and
 - (assumed) financial capabilities



Program of measures: Basic measures

- Establish a sound water pricing policy by end 2013
- Promotion of efficient & sustainable water use e.g.:
 - measure leakage
 - renovation of the water supply networks
 - promote water saving in households
- Safeguard water quality for human consumption:
 - protection zones around water abstraction
 - control water use in RBs of inter-municipal water supply companies



Program of measures: Basic measures

- Control abstraction of surface water & groundwater:
 - review of permitting regulations
 - establishment of register of abstraction
 - installation & operation of measuring devices.
- Measures for point source discharges liable to cause pollution:
 - review of permitting regulation
 - determination of acceptable pollution loads
 - review existing regulations for water pollution activities
 - enhancement of source monitoring programmes
 - determine sources of lower water quality status, where applicable

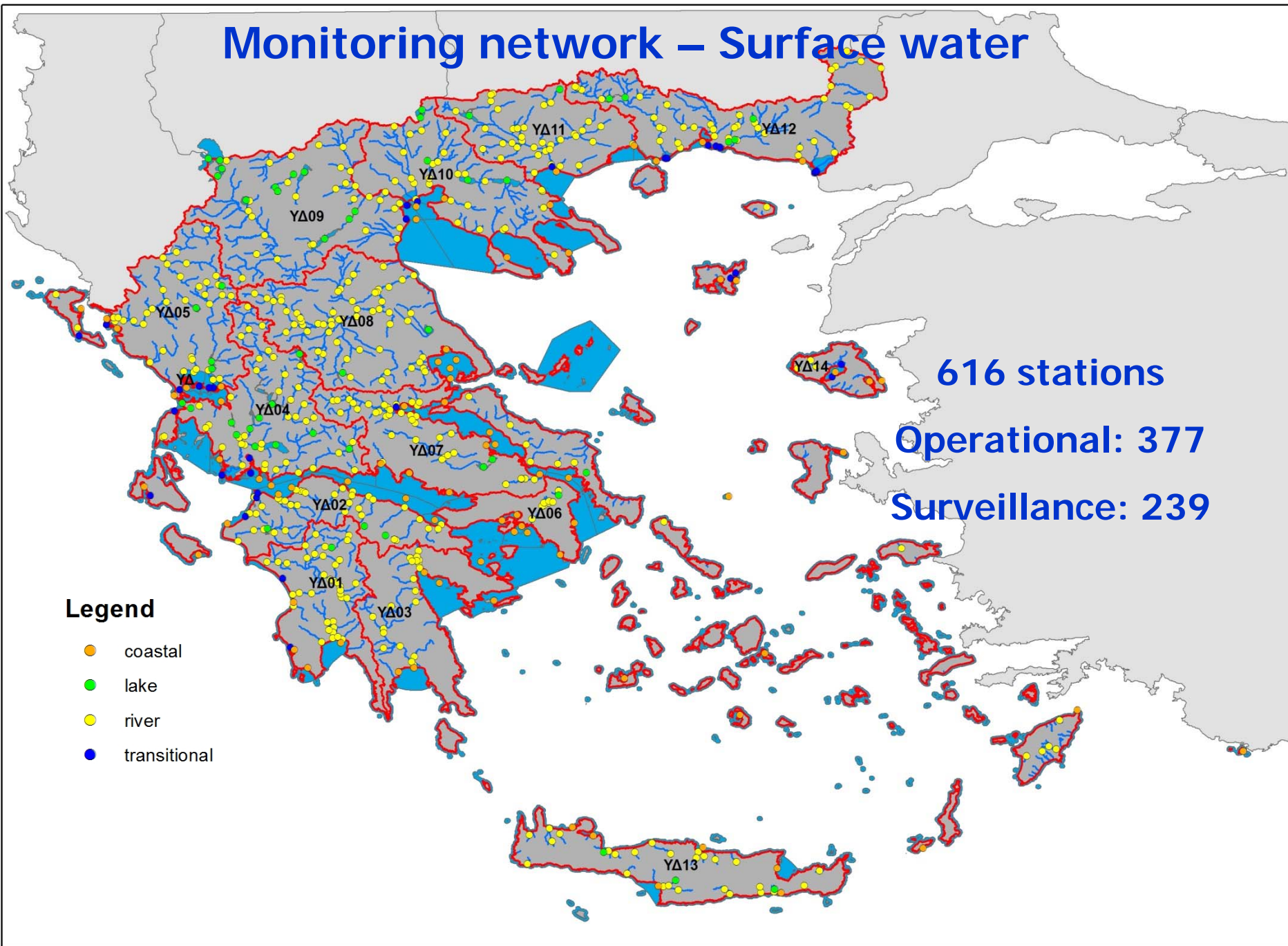


Program of measures: Basic measures

- Measures for diffuse sources:
 - programmes for reduction of fertilizer use
 - review of legislation for reuse of urban sludge
- Control of hydromorphological alterations
- Establishment of registries for the abstraction works and activities, pollution activities, reuse of wastewaters
- Harmonisation of the accounting systems of water supply companies & associations

Total 40 actions

Monitoring network – Surface water



616 stations

Operational: 377

Surveillance: 239

Legend

- coastal
- lake
- river
- transitional

Monitoring network – Groundwater

