

SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

Case example: Spatial data in the Water Information System for Europe (WISE) platform

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Scope of this presentation

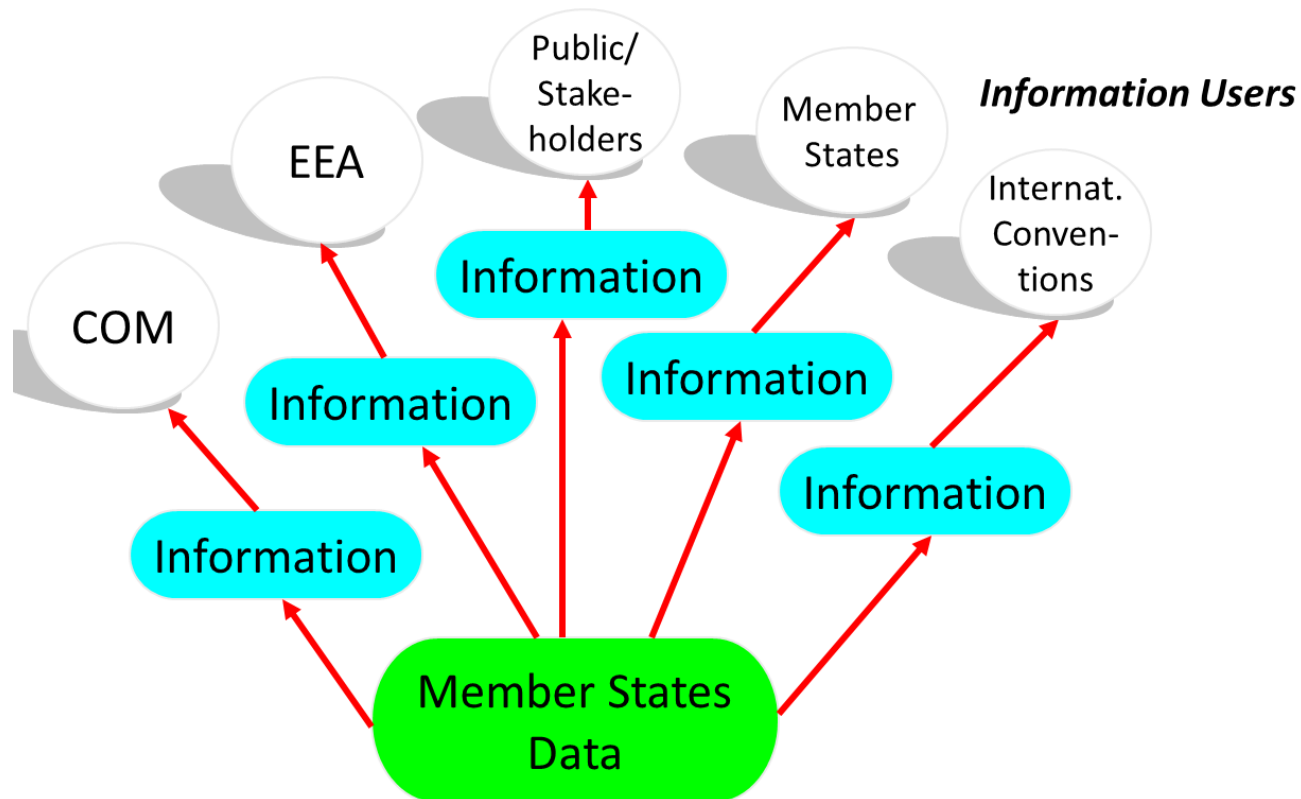
Current situation of data reporting in Europe

Water Information System for Europe

Case study: Reporting of the Second River Basin Management Plan of Cyprus based on the WISE requirements

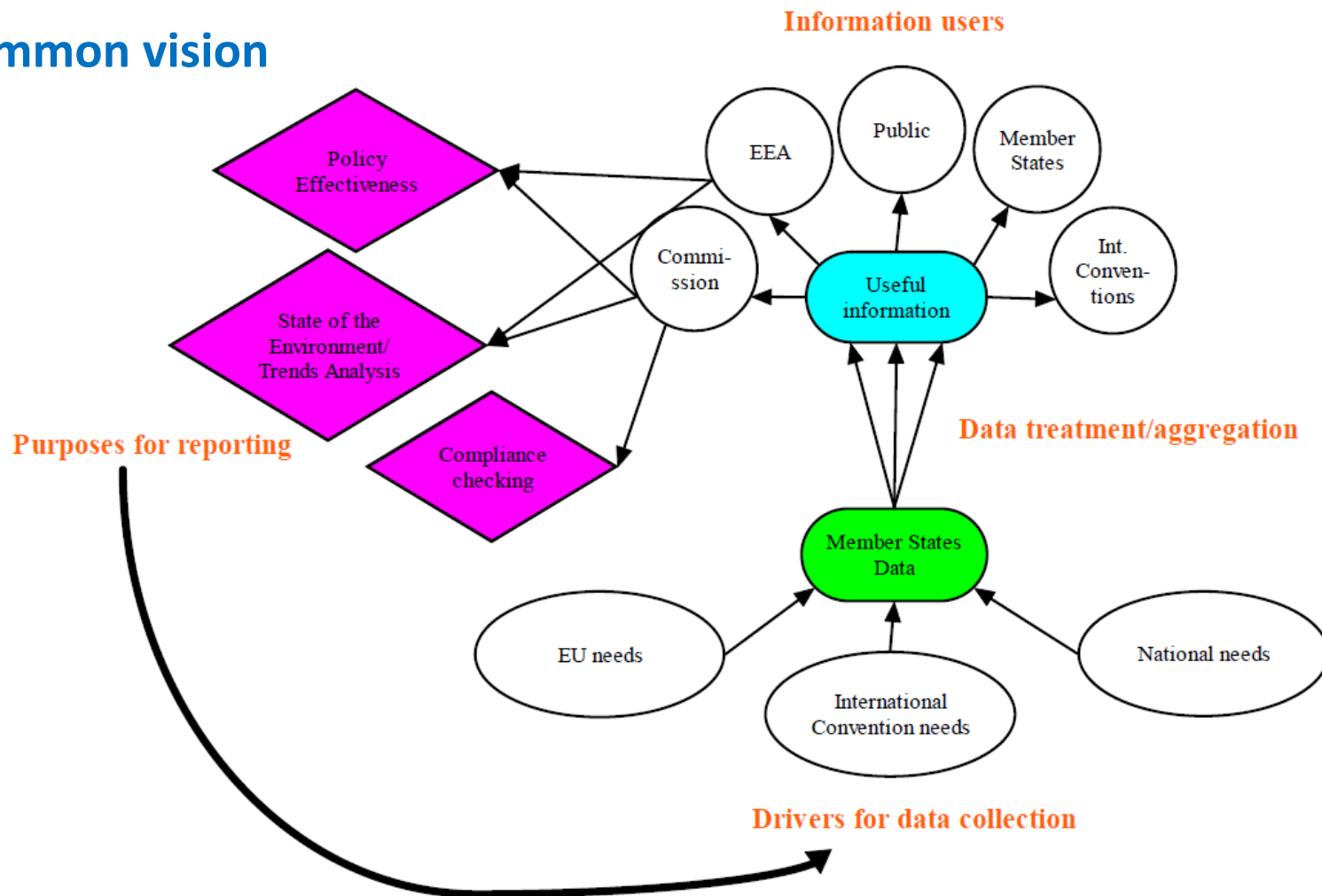
Case example: Spatial data in the Water Information System for Europe (WISE) platform

Data reporting in Europe



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Common vision



Case example: Spatial data in the Water Information System for Europe (WISE) platform



The Water Information System for Europe (WISE) is a partnership between the European Commission (DG Environment, Joint Research Centre and Eurostat) and The European Environment Agency, known as “the Group of Four” (Go4).

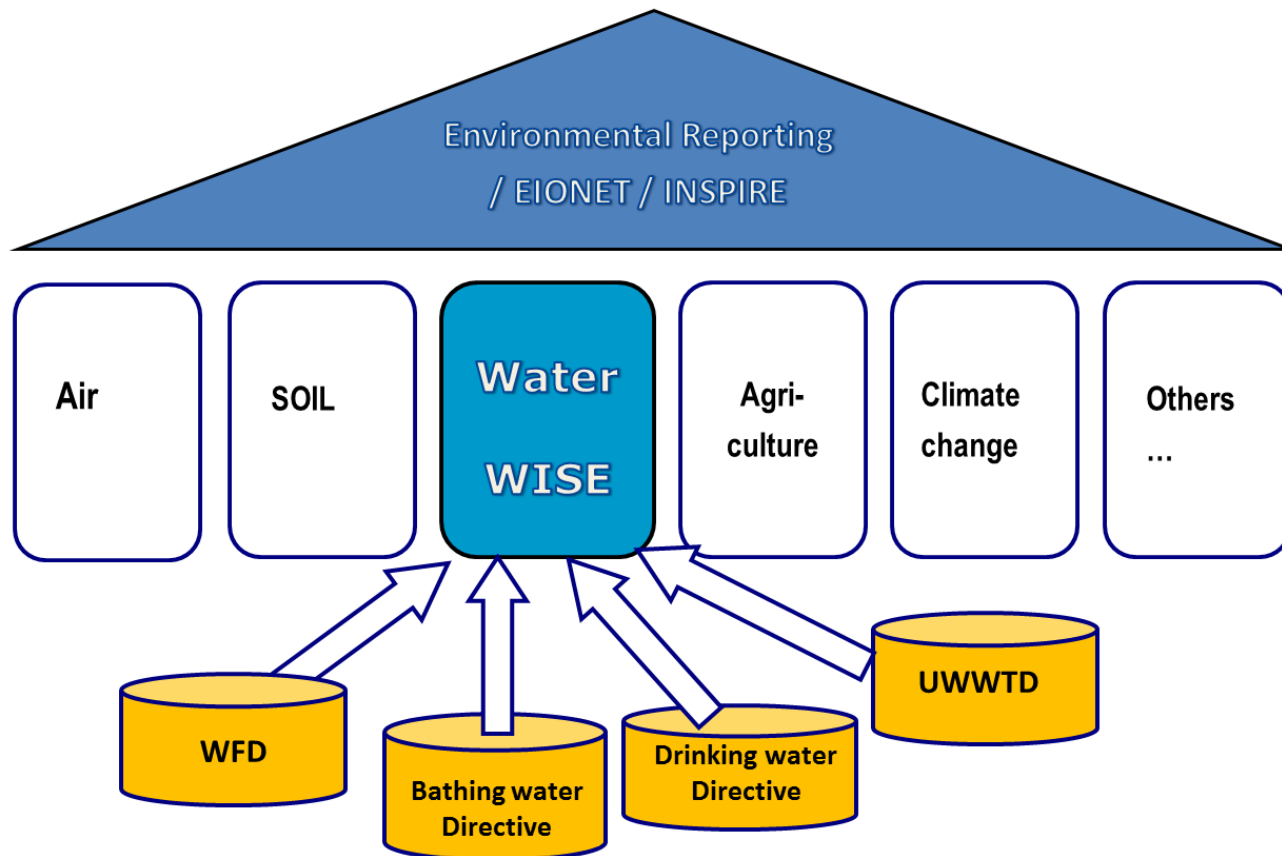
WISE is a collective database build around the subject of water management in Europe. It contains all the relevant information on this matter. And thereby constitutes a new, comprehensive, shared EU data and information system for water, including river basins.

The main objectives of WISE are:

- To provide a single entry point to access harmonised and high quality European water data and information provided by mainly Member States.
- To assess and compare environmental status and trends related to water and their associated pressures and impacts from human activities including the underlying socio-economic driving forces.
- To check the compliance with and implementation of European water legislation and national laws and inform the citizens thereof.
- To use the collected information to asses the effects and the effectiveness of the EU water policy.

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WISE wider context



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WISE Log on screen

The screenshot displays the EIONET Central Data Repository (CDR) website. The header features the EEA logo and a 'Login' button. The main navigation bar includes 'SERVICES', 'REPORTNET', 'TOOLS', and 'TOPICS (ETCS)'. Below this, a breadcrumb trail indicates 'You are here: Eionet » CDR'.

Services

- Search by obligation
- Search XML files
- Search for feedback
- Global worklist
- Notifications
- Help

Account Services

I have

- lost my password

Note

Subscribe to receive notifications if you want to stay updated about events in this site.

The Central Data Repository is part of the Reportnet architecture. The Central Data Repository is like a bookshelf, with data reports on the environment as submitted to international clients.

Each country either has a collection (📁) for its deliveries or a referral (🔗) to a different preferred repository. The data reports within each country collection are arranged under the relevant reporting obligations or agreements.

EEA Member countries

Austria	Belgium	Bulgaria
Croatia	Cyprus	Czech Republic
Denmark	Estonia	Finland
France	Germany	Greece
Hungary	Iceland	Ireland
Italy	Latvia	Liechtenstein
Lithuania	Luxembourg	Malta
Netherlands	Norway	Poland
Portugal	Romania	Slovakia
Slovenia	Spain	Sweden
Switzerland	Turkey	United Kingdom

Other countries and territories

Albania	Andorra	Armenia
Azerbaijan	Belarus	Bosnia and Herzegovina
Georgia	Gibraltar	Kazakhstan
Kosovo (UNSCR 1244/99)	Kyrgyzstan	Moldova
Monaco	Montenegro	Russia
Serbia	Tajikistan	The former Yugoslav Republic of Macedonia
Turkmenistan	Ukraine	Uzbekistan

International organisations

- [European Red List of birds](#)
- [European Union](#)

Global worklist

- Search by obligation
- Search for feedback
- Search XML files
- Recent uploads

- [PL LCP - article 72 IED inventory data](#)
- [HU LCP-article 72 IED inventory data](#)
- [SE Nationally designated areas \(CDDA-1\) delivery 2018](#)
- [AT E-PRTR data AT 2016 - v1](#)
- [AT E-PRTR data AT 2015 - v3](#)
- [AT E-PRTR data AT 2014 - v5](#)
- [AT E-PRTR data AT 2013 - v7](#)
- [GR MMR_Annex_X_2018\(March\)](#)

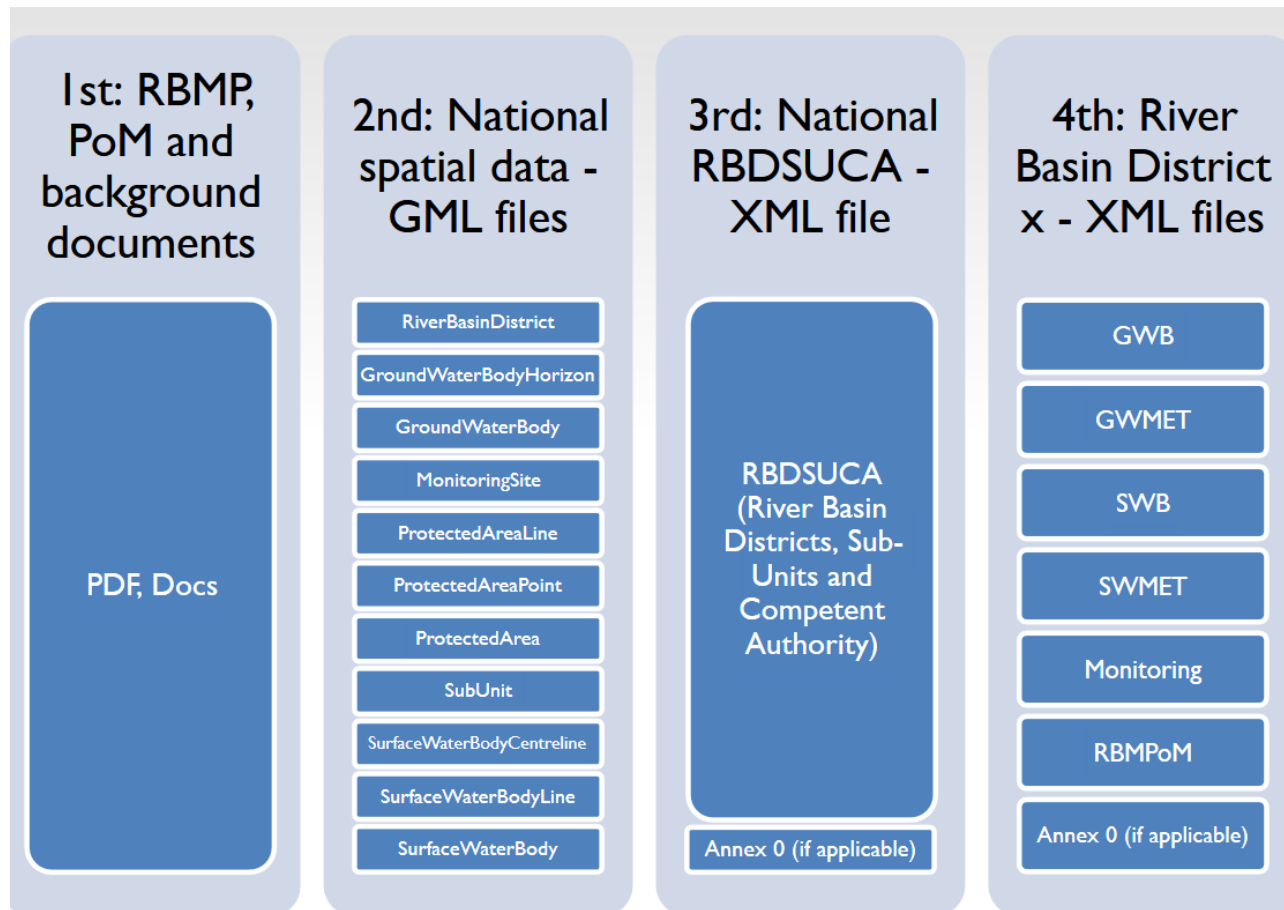
Need help? First try the [On-line CDR help](#) then ask the Eionet helpdesk: helpdesk@eionet.europa.eu.

Eionet helpdesk will provide assistance for: Upload access for new users, Password problem, Difficulties during upload procedure, Download problems

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WISE WFD - RBMP Reporting structure



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Second River Basin Management Plan (2016-2021) of Cyprus



LDK awarded the Second River Basin Management Plan (2016-2021) of Cyprus as leading consortium partner.

The Contract between the Government of the Republic of Cyprus and the Consortium of LDK Consultants (GR) and ECOS Consulting (GR) was signed on May 18th , 2015, at the headquarters of the Water Development Department in Cyprus.

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General Information

Cyprus has a population of 0.8 million and a total surface area of 9,250 km².

The two main mountain ranges are the Pentadactylos in the north and the Troodos in central and south-western part of the island. Between them is the fertile plain of Mesaoria.



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Data reporting

- River Basin District (with their subunits and competent authorities);
- Surface Water Bodies (categories – river, coastal, lakes or transitional, types, ecological status, chemical status);
- Groundwater Bodies (quantity status, quality status);
- Monitoring Stations (for surface and groundwater bodies);
- Protected Areas (nitrate vulnerable zones, sensitive areas, bathing coastal protection areas, groundwater bodies designated for water abstraction for water consumption);
- Pressures (agriculture, livestock units, wastewater treatment plants, uncontrolled solid waste disposal, landfills, industries, aquacultures, mines).

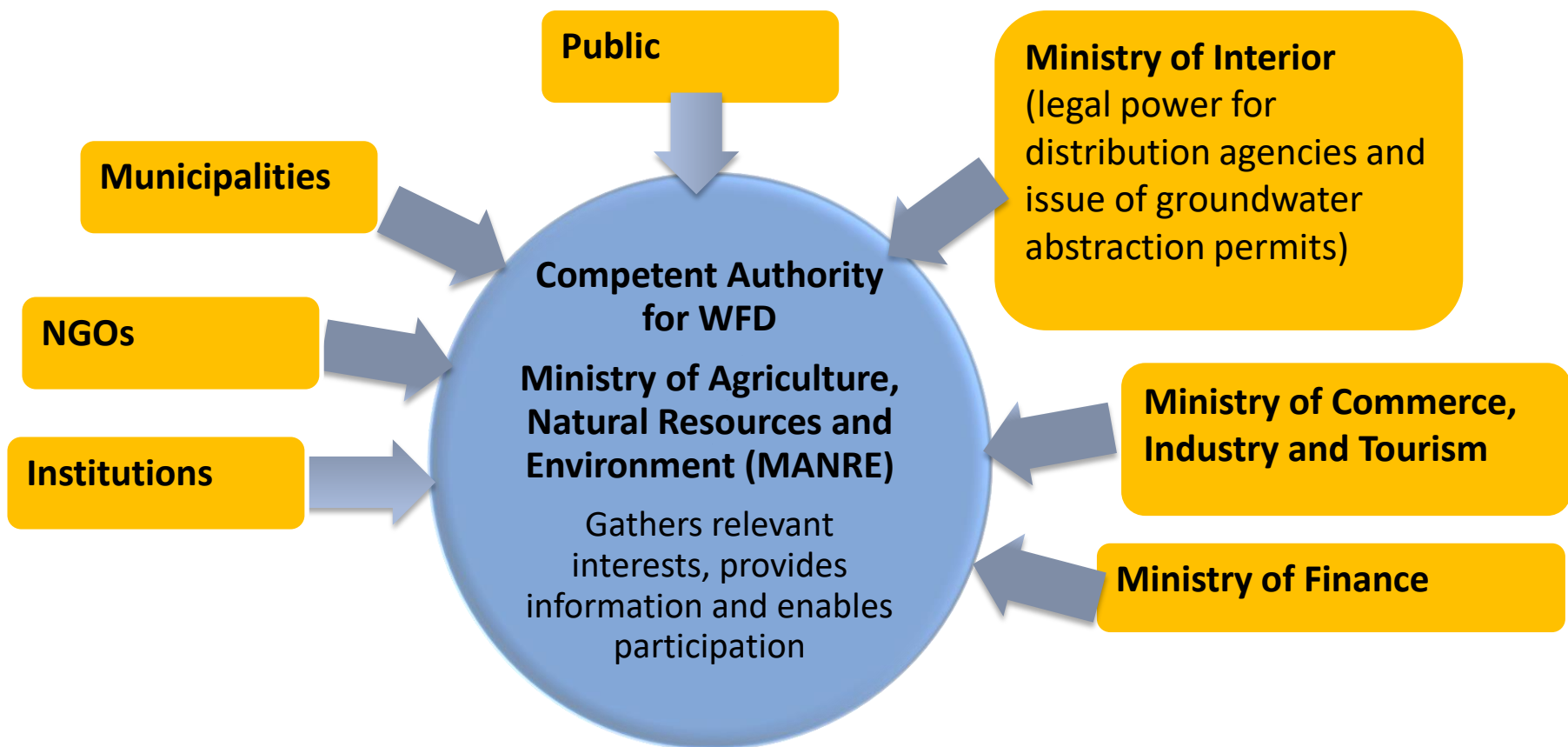
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Administrative scheme bodies

Authorities and organization (name)	public	private	Type of competence	assigned functions and competences
National level				
Ministry of Agriculture, Natural Resources and Environment (MANRE)	V		Policy	Policy makers
Ministry of Interior	V		Policy	Policy makers
Ministry of Commerce, Industry and Tourism	V		Policy	Policy makers
Ministry of Finance	V		Policy	Policy makers
Water Development Department (WDD)	V		Technical Administrative	a) collection, processing and classification of hydrological and other data necessary for the study, maintenance and safety of the water development works b) study, design, construction, operation and maintenance of works, such as dams, ponds, irrigation, domestic water supply and sewerage schemes, water treatment works, sewage treatment c) management of water resources in terms of quality and quantity
Environment Service	V		Administrative	a) protect natural resources b) contact Environmental Assessment Studies c) issue of Discharge Permits
Regional level				
District Officers	V		Administrative (Water Permits)	The district officers issue ground water abstraction permits and have legal power for distribution agencies (Water Boards)
Local level				
City Water Boards	V		Technical Administrative	Distribution agencies, domestic water distribution a) planning and execution of development projects, b) maintenance of the water distribution network, c) determination of water rates in order to finance the operating expenses and development projects of the Board, while remaining a non-profit making organisation. d) buy potable water in bulk from the Water Development department e) sell potable water to consumers
Community Councils	V		Administrative	Domestic water distribution
Municipalities	V		Administrative	Domestic water distribution
Irrigation Divisions		V	Administrative	Irrigation water distribution
Sewerage Boards			Technical Administrative	Study, design and operation of sewerage treatment plants Collection and treatment of urban wastewater Sell tertiary treated effluent in bulk to the Water Development
Village sewerage Boards	V		Administrative	Distribution of treated effluent for irrigation Sell effluent water in bulk to the Water Development Department
Desalination Plants		V	Technical Administrative	Build, Own, Operation and Maintenance of desalination plants Sell desalination water in bulk to the Water Development Department

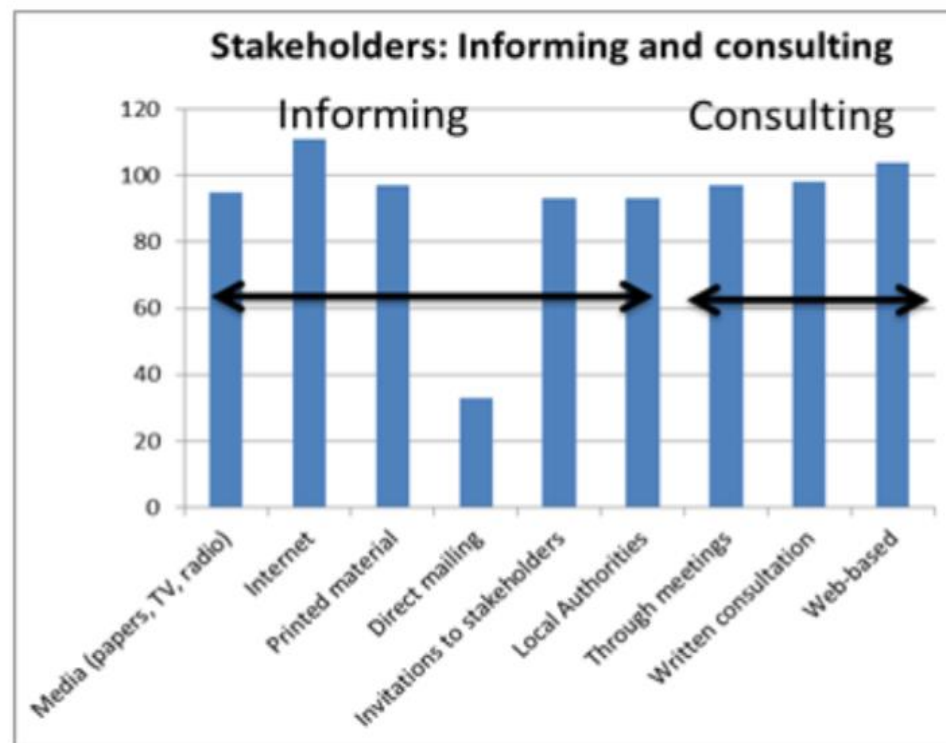
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Stakeholders and public participation



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Public and Stakeholders informing and consulting

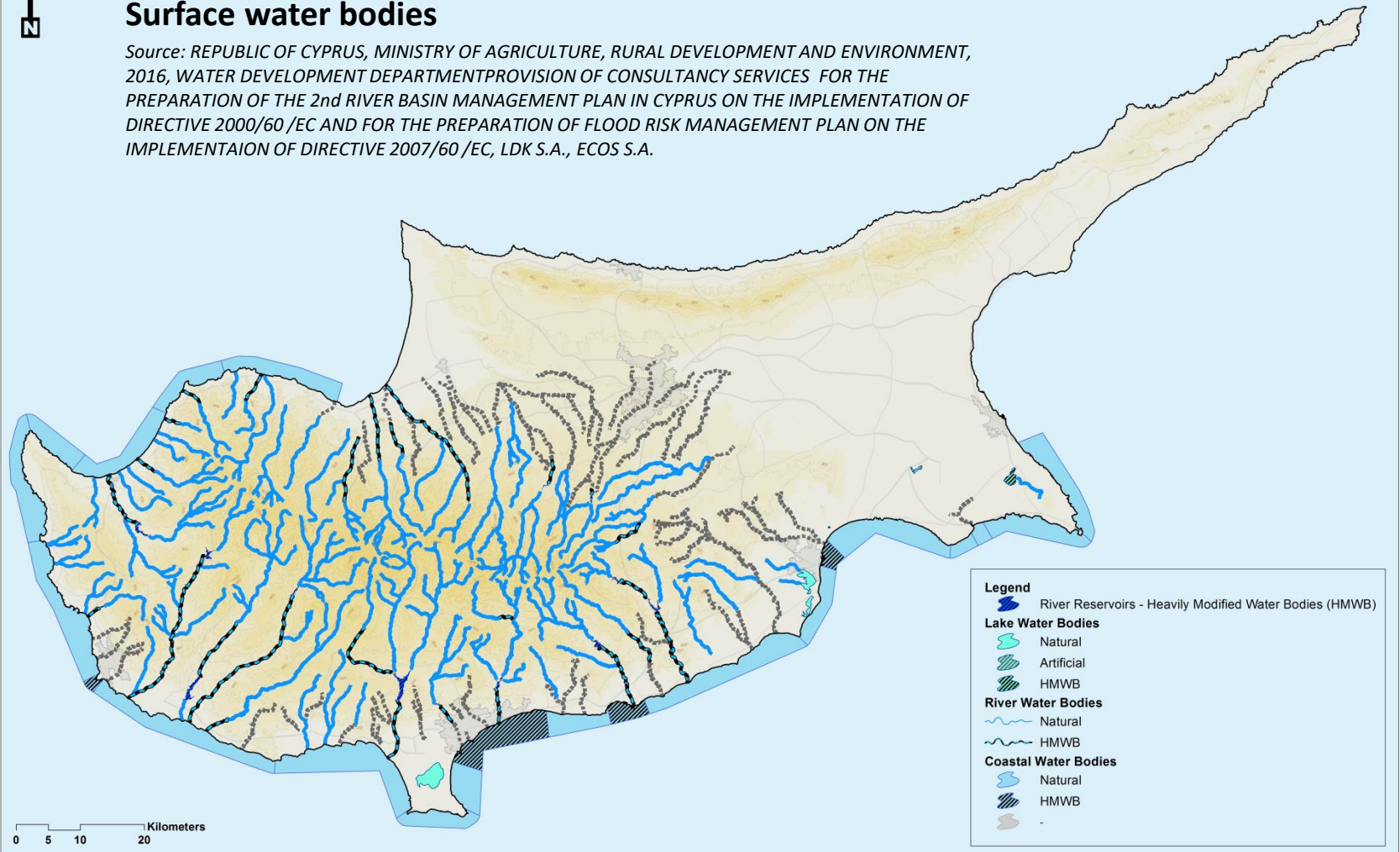


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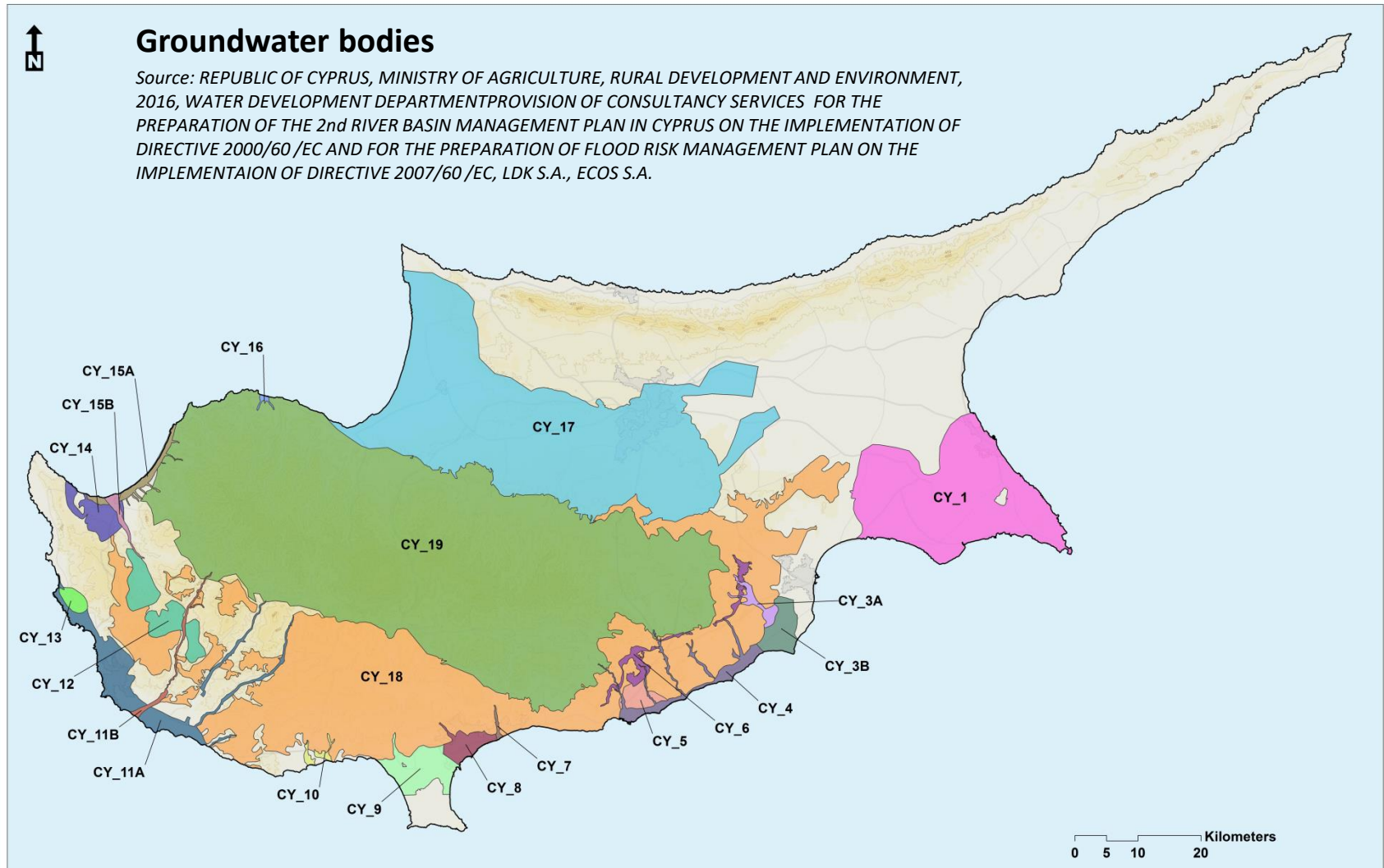


Surface water bodies

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTAION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.



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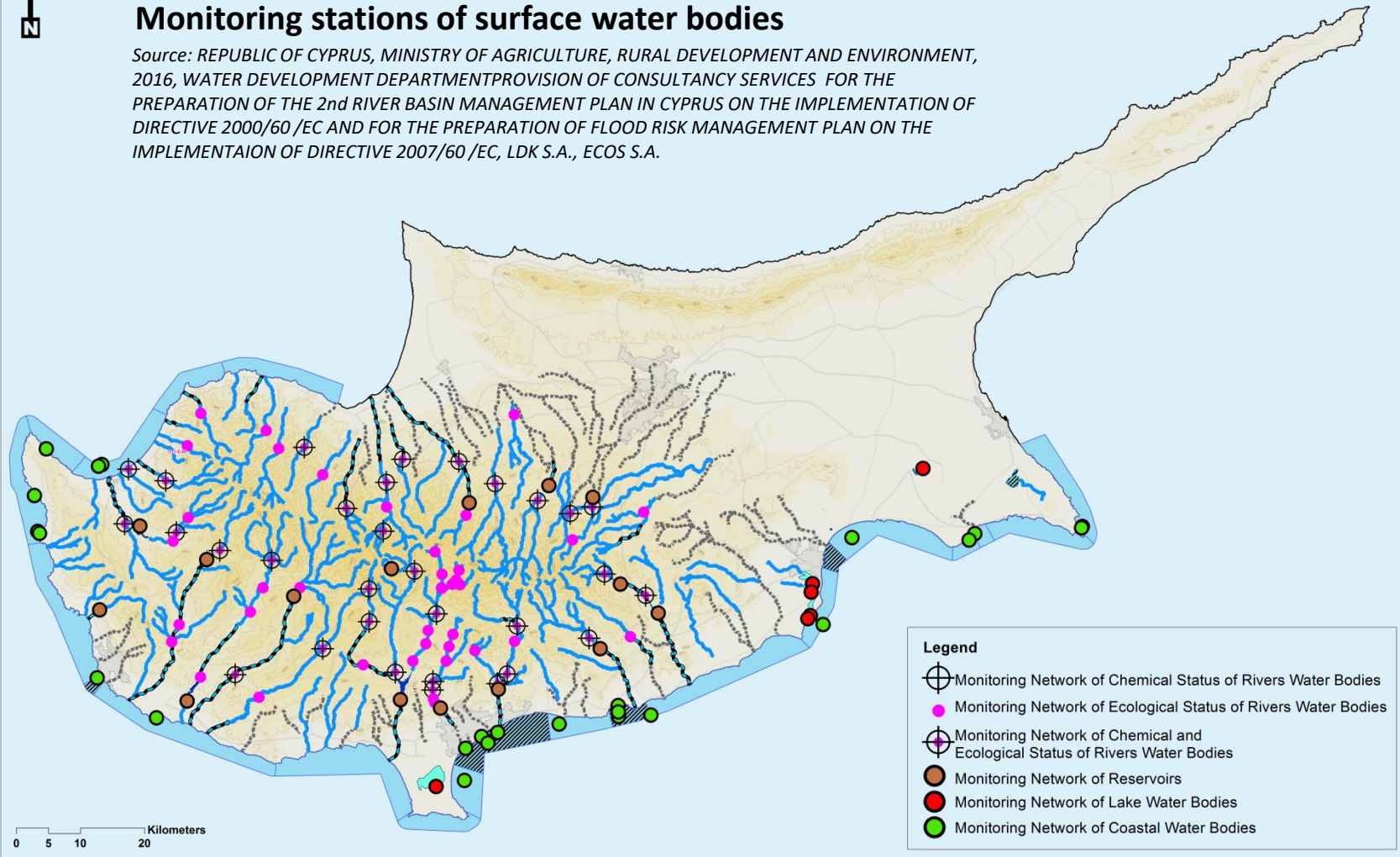


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Monitoring stations of surface water bodies

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTATION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.

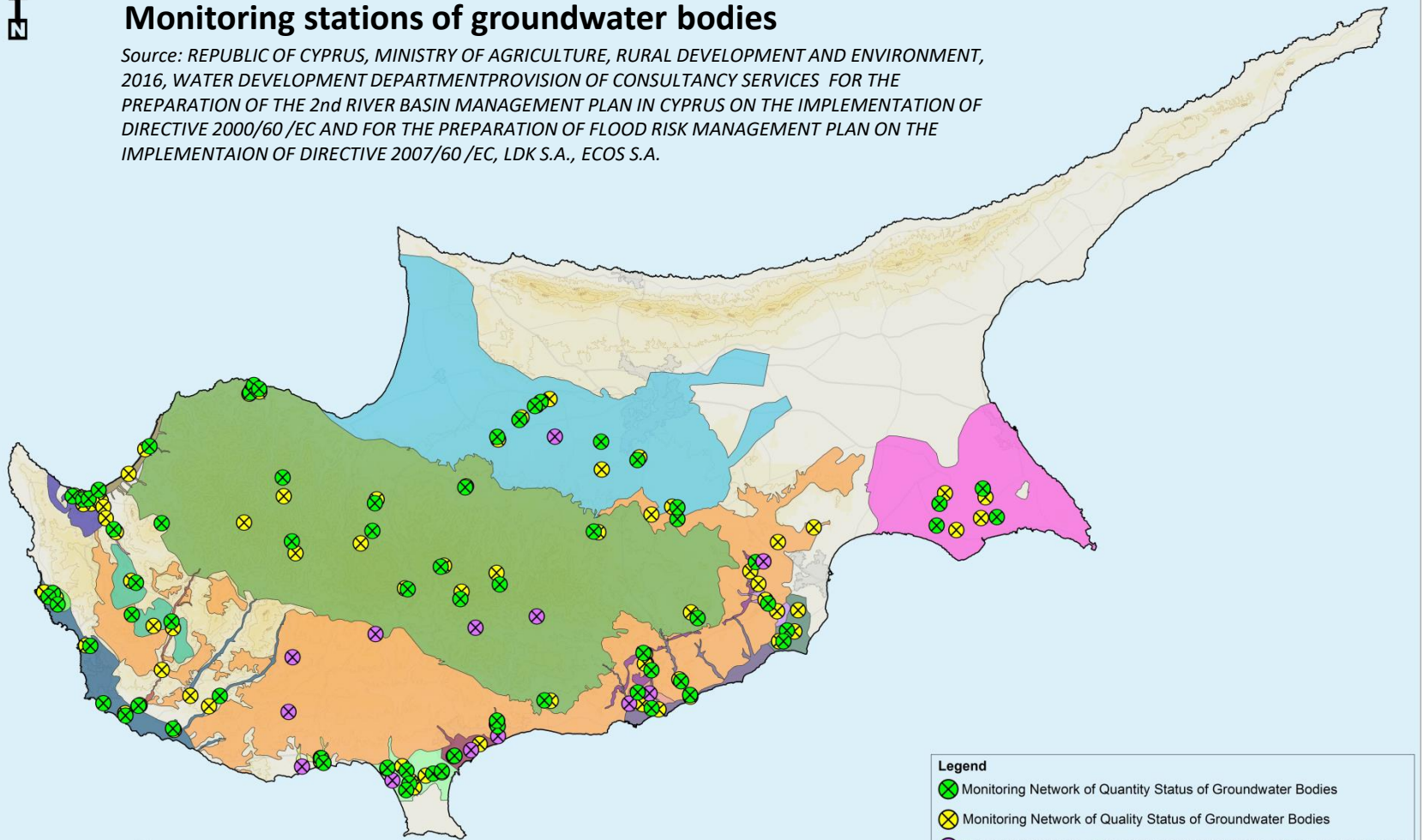


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Monitoring stations of groundwater bodies

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTATION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.



Legend

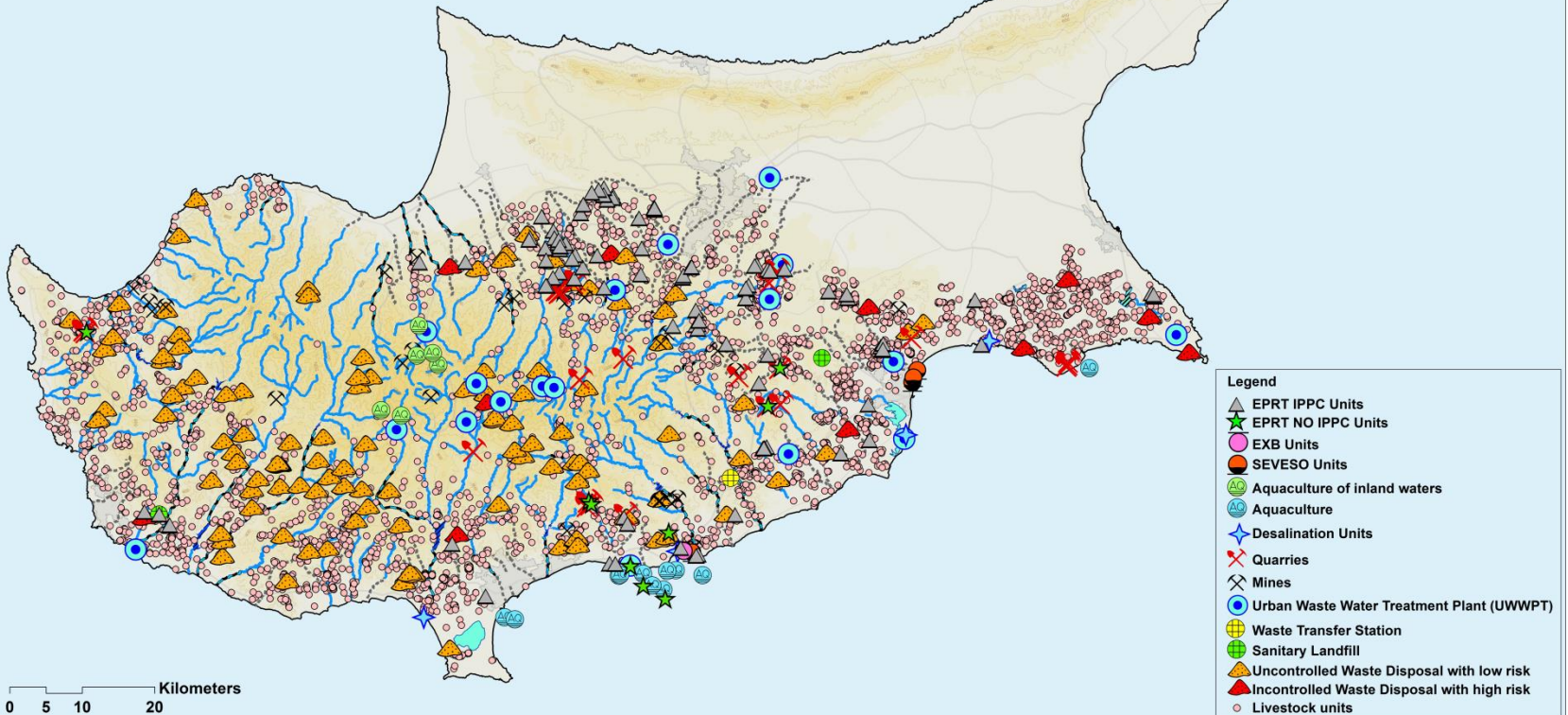
- Monitoring Network of Quantity Status of Groundwater Bodies
- Monitoring Network of Quality Status of Groundwater Bodies
- Monitoring Network of Quantity and Quality Status of Groundwater Bodies

Case example: Spatial data in the Water Information System for Europe (WISE) platform

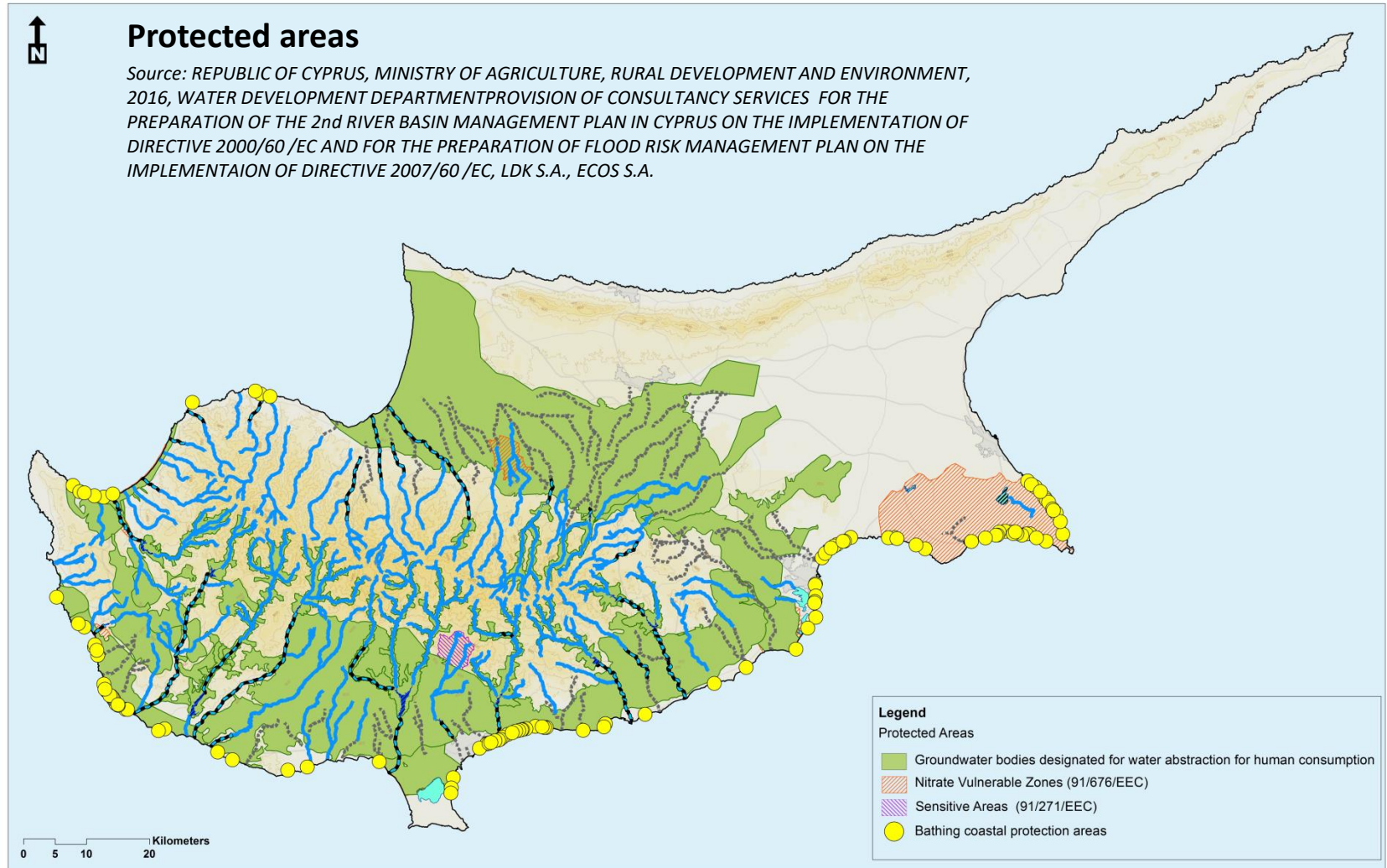


Pressures

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTATION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.

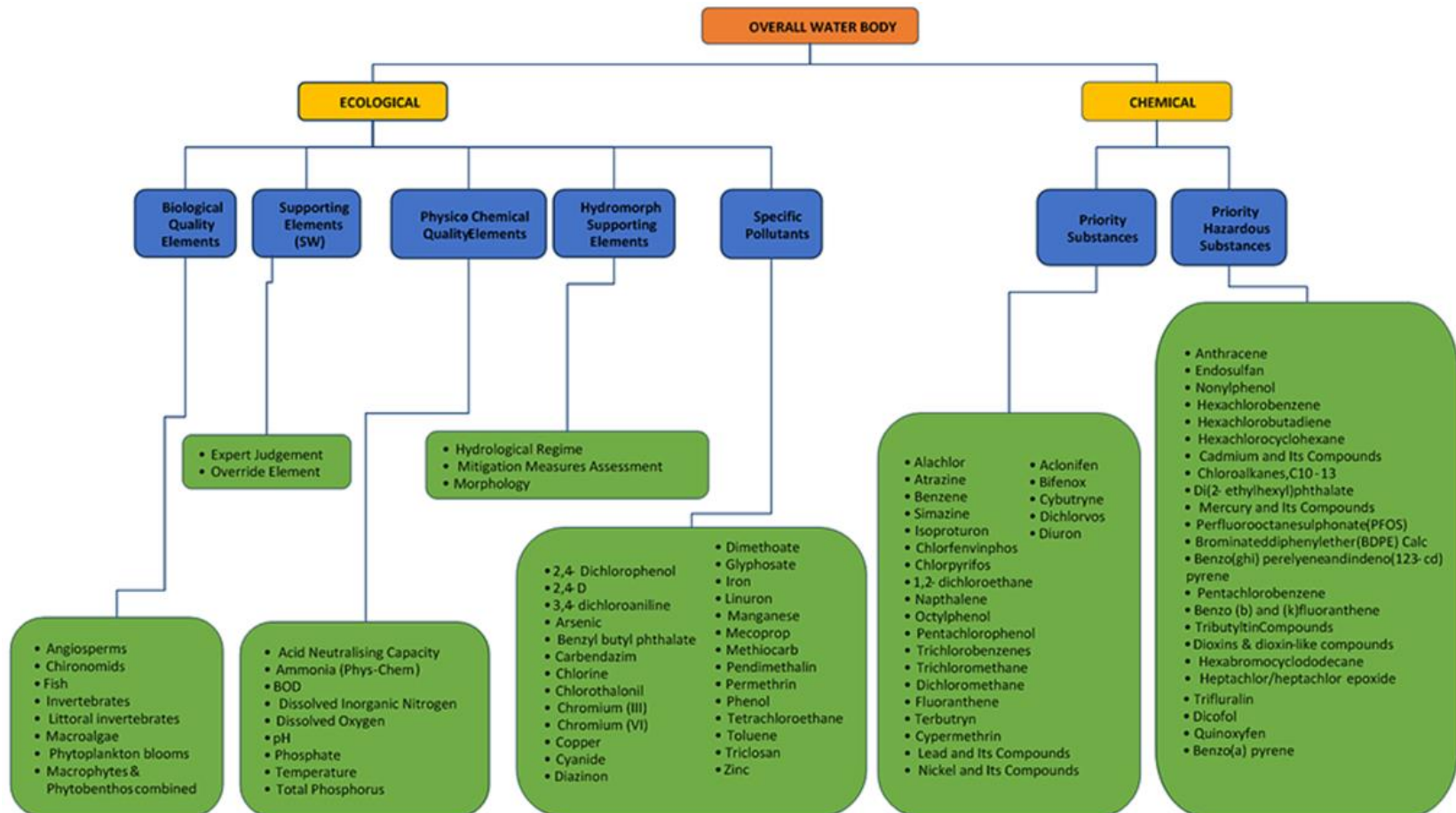


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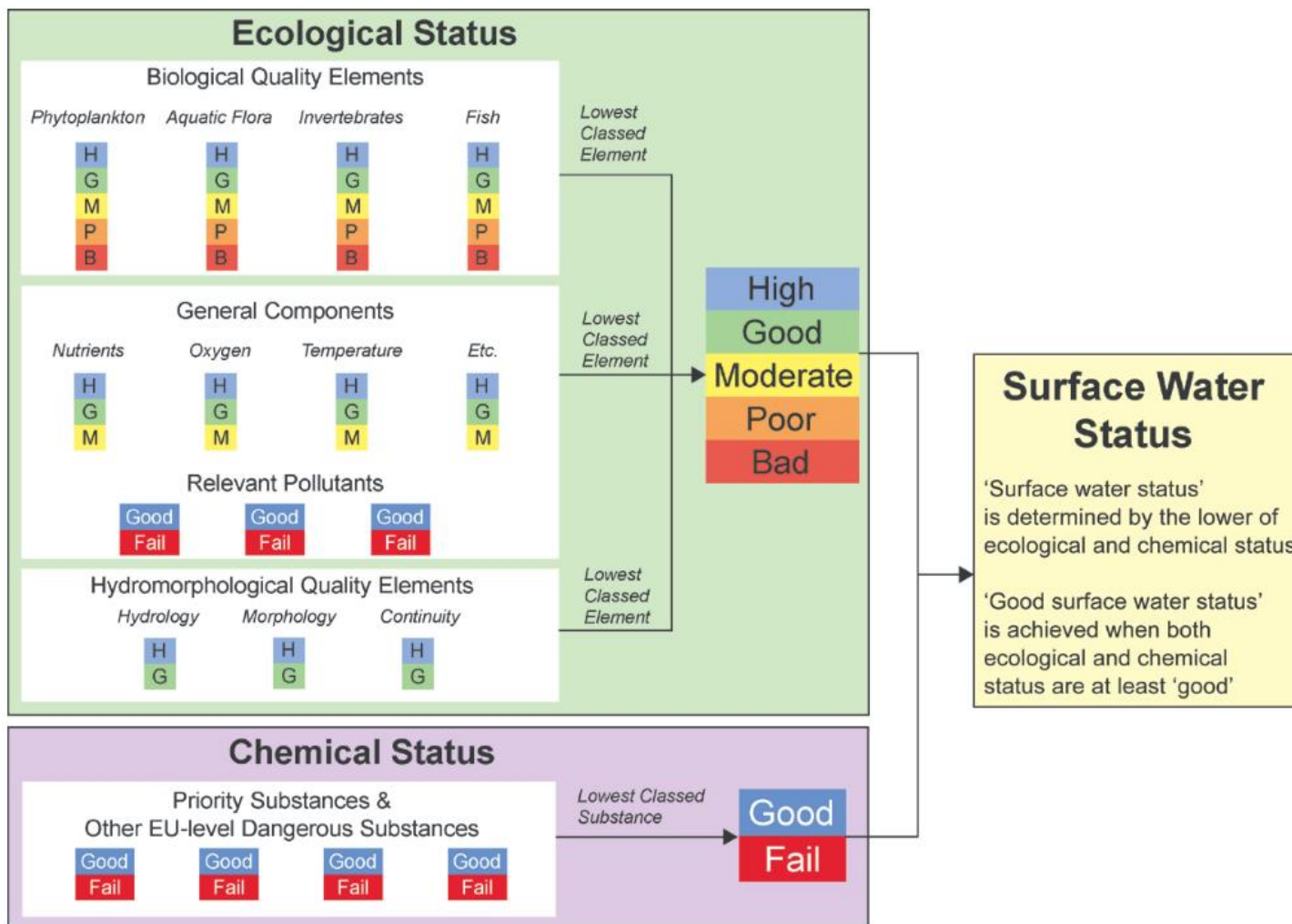
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Surface water bodies status elements

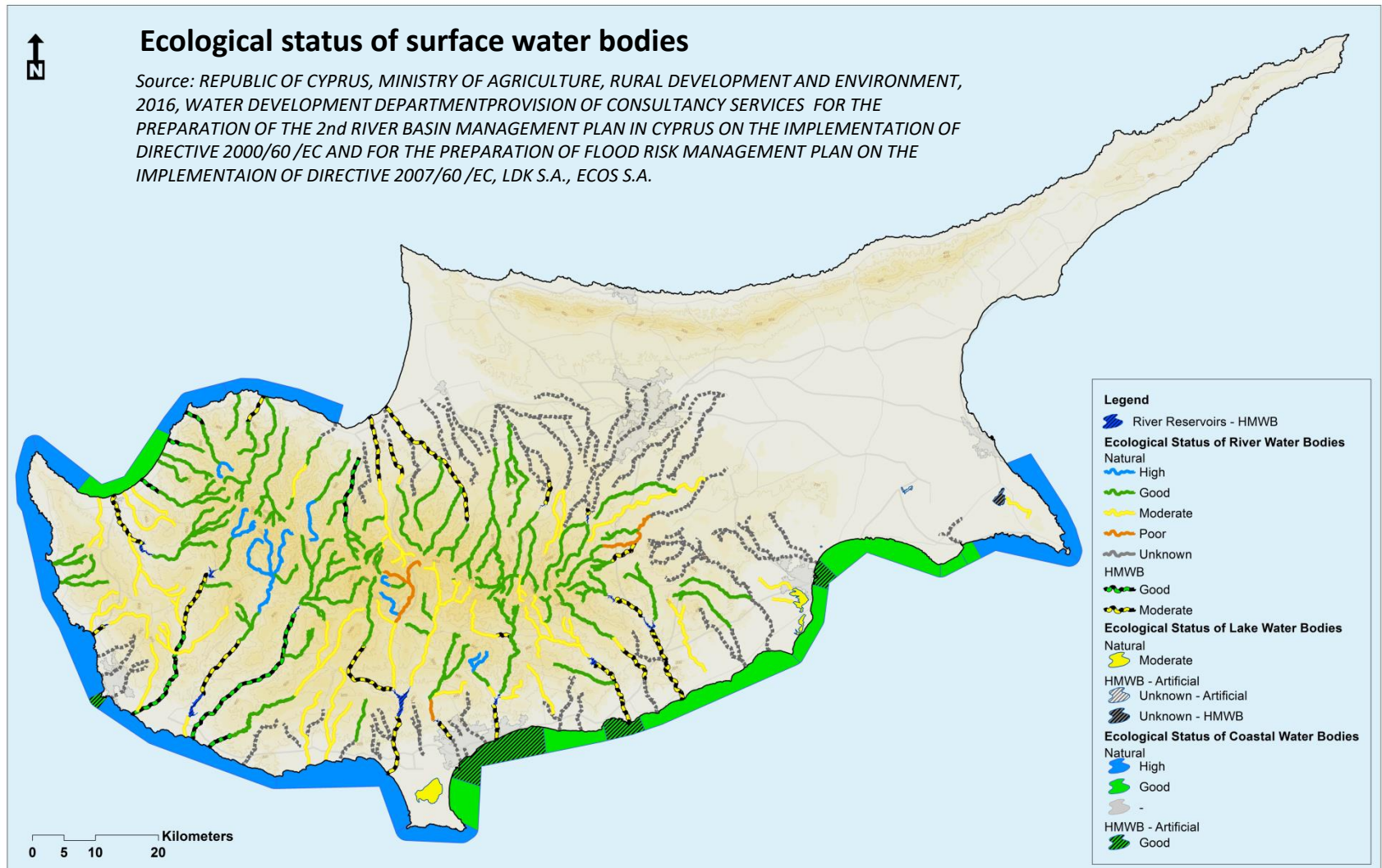


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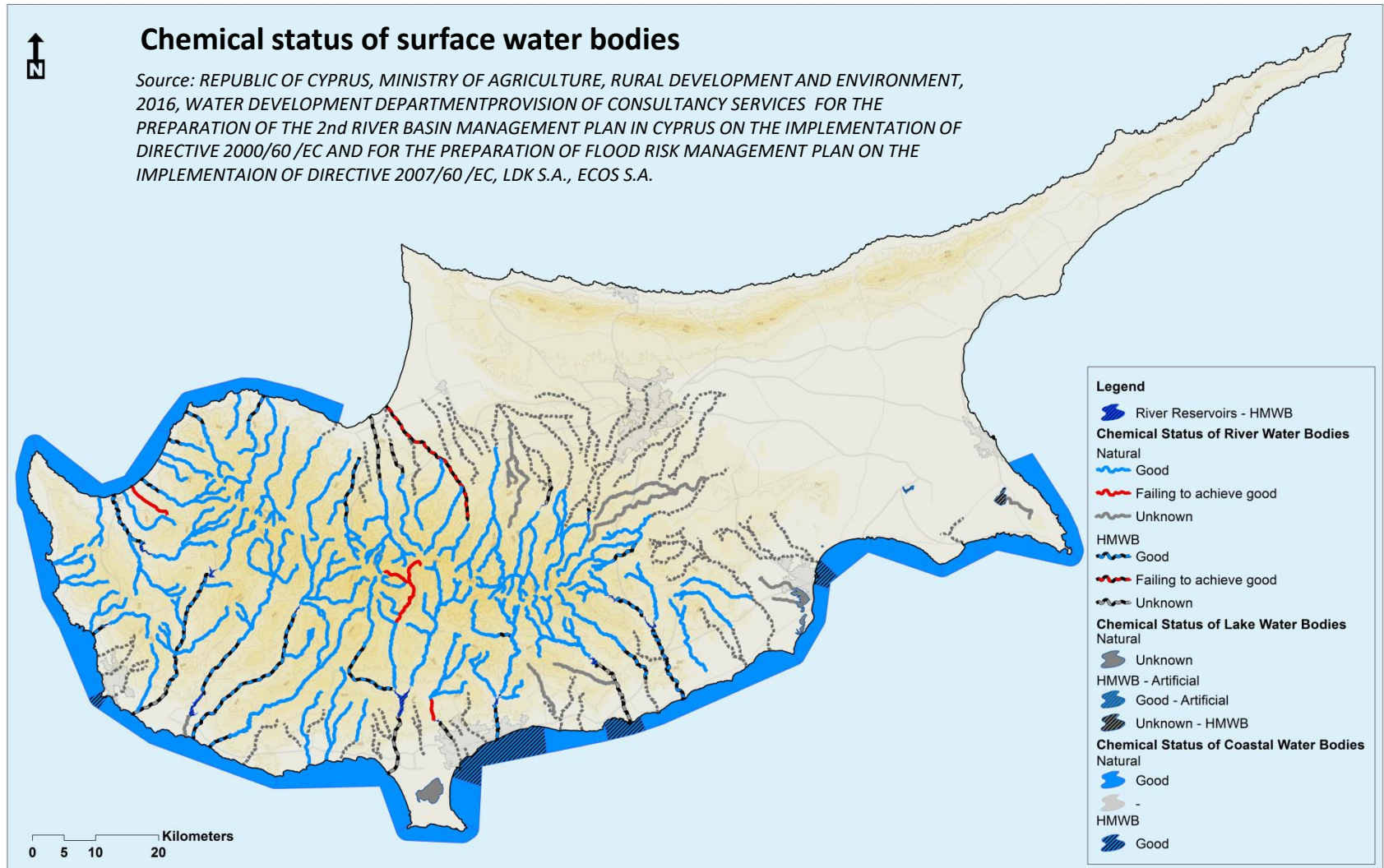
Surface water bodies status classification



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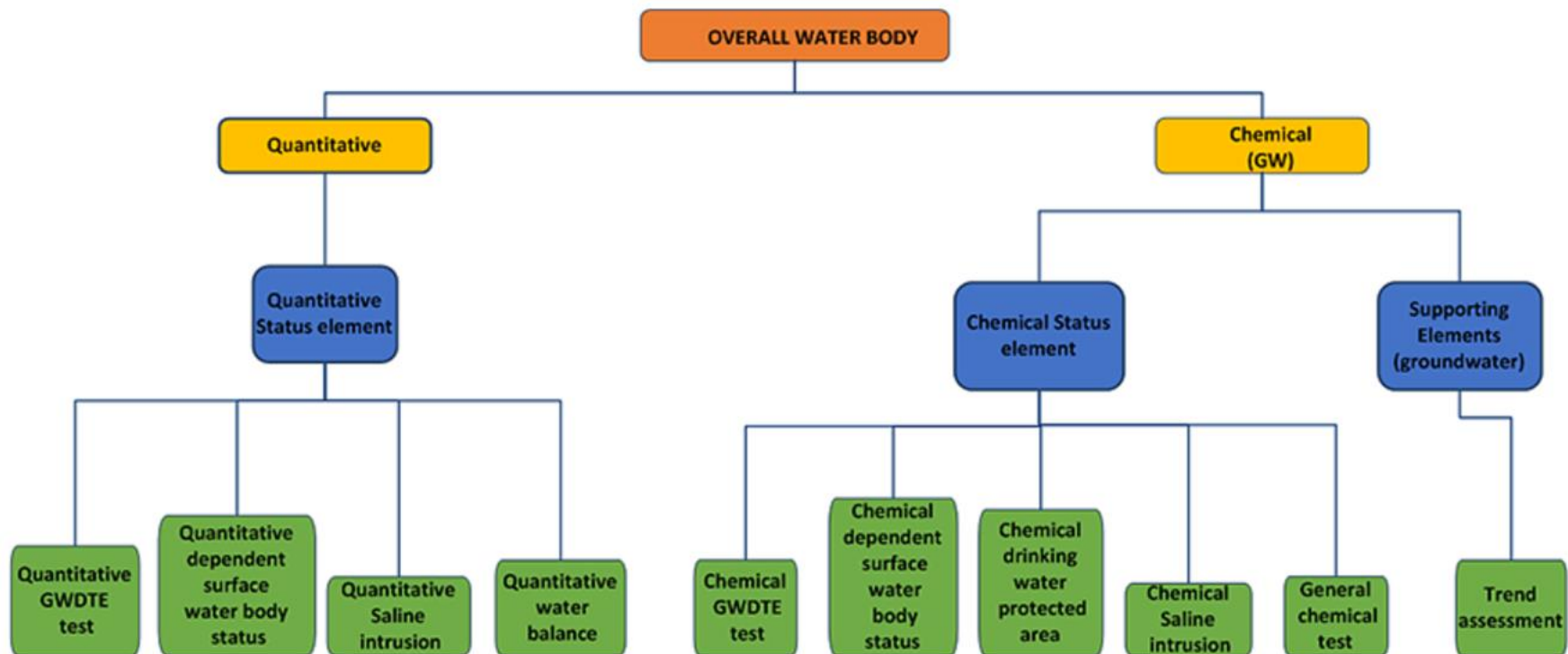


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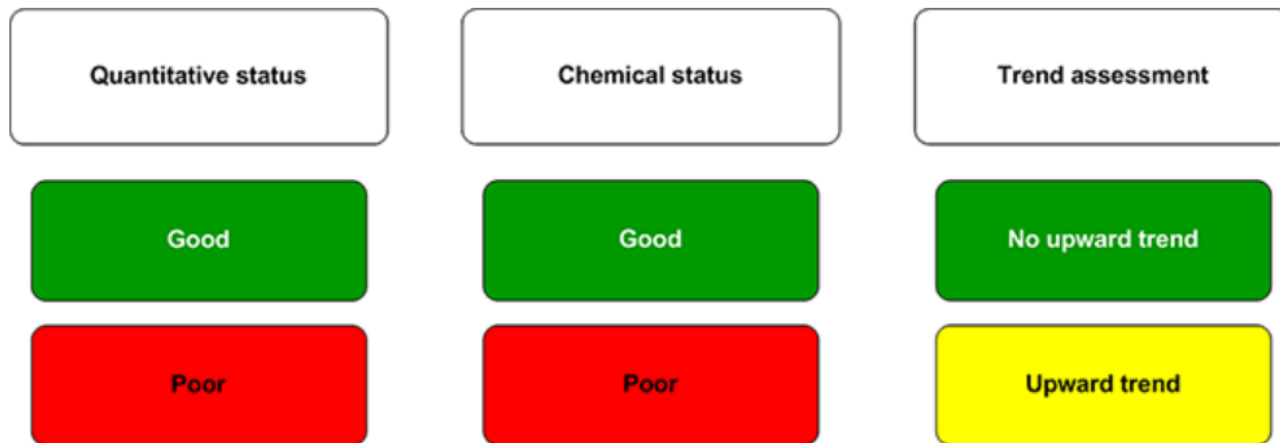
Groundwater status elements



**GWDTE: Groundwater Dependent Terrestrial Ecosystems*

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Groundwater status classification

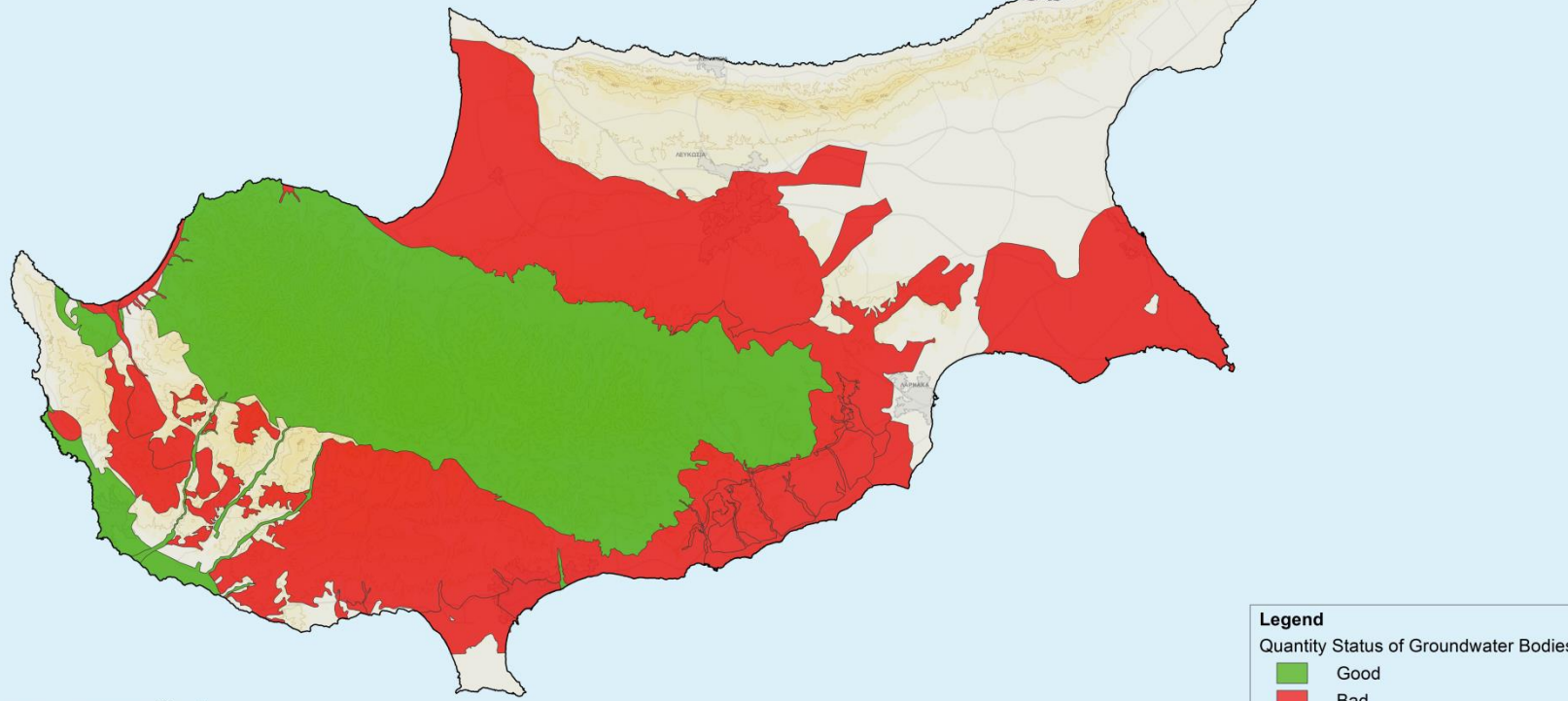


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Quantity status of groundwater bodies

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTATION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.

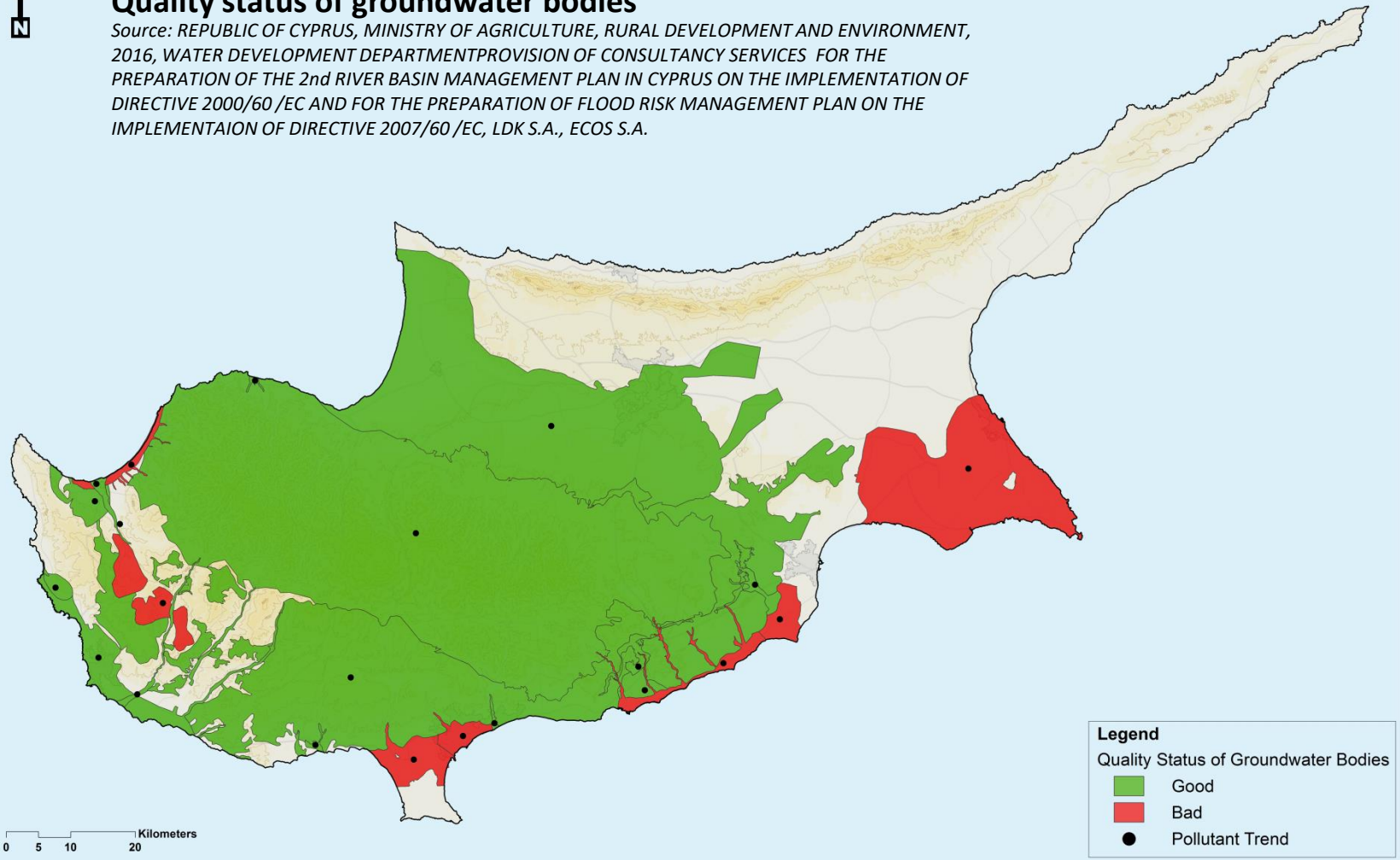


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Quality status of groundwater bodies

Source: REPUBLIC OF CYPRUS, MINISTRY OF AGRICULTURE, RURAL DEVELOPMENT AND ENVIRONMENT, 2016, WATER DEVELOPMENT DEPARTMENT PROVISION OF CONSULTANCY SERVICES FOR THE PREPARATION OF THE 2nd RIVER BASIN MANAGEMENT PLAN IN CYPRUS ON THE IMPLEMENTATION OF DIRECTIVE 2000/60/EC AND FOR THE PREPARATION OF FLOOD RISK MANAGEMENT PLAN ON THE IMPLEMENTAION OF DIRECTIVE 2007/60/EC, LDK S.A., ECOS S.A.



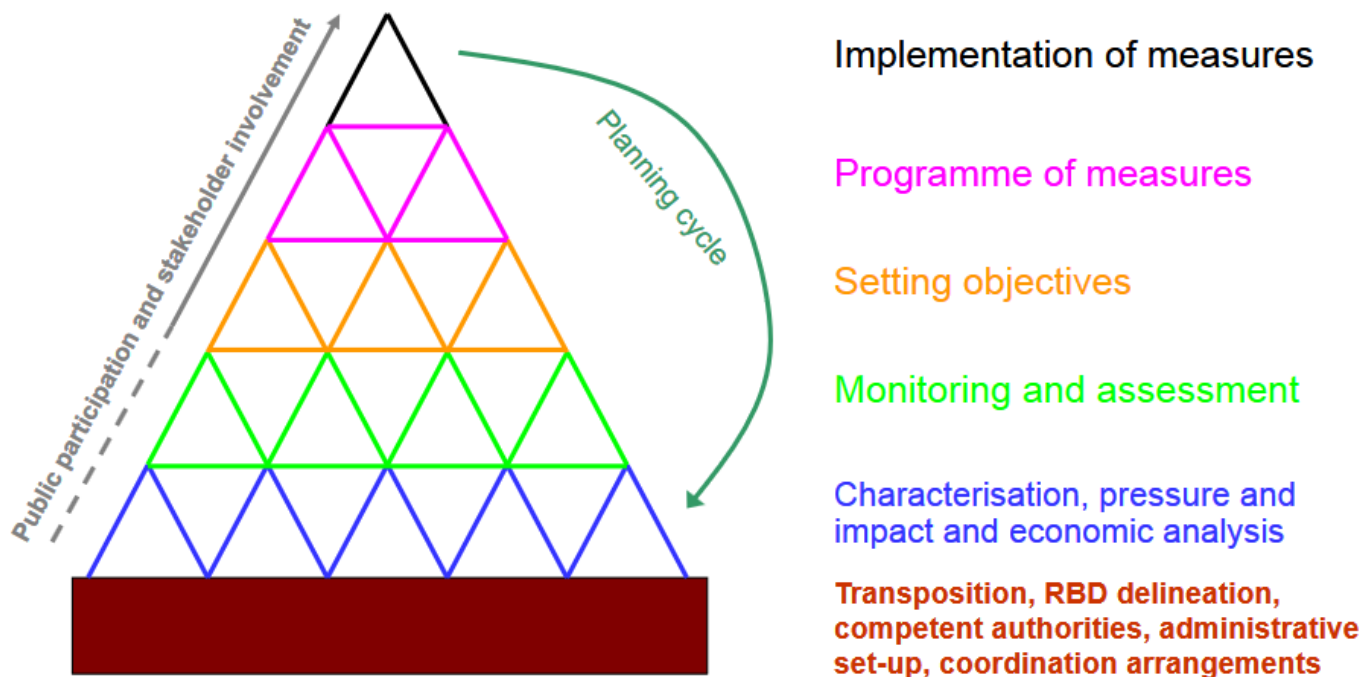
Legend

Quality Status of Groundwater Bodies

- Good
- Bad
- Pollutant Trend

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RBMP Planning process



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Thank you for your attention.

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