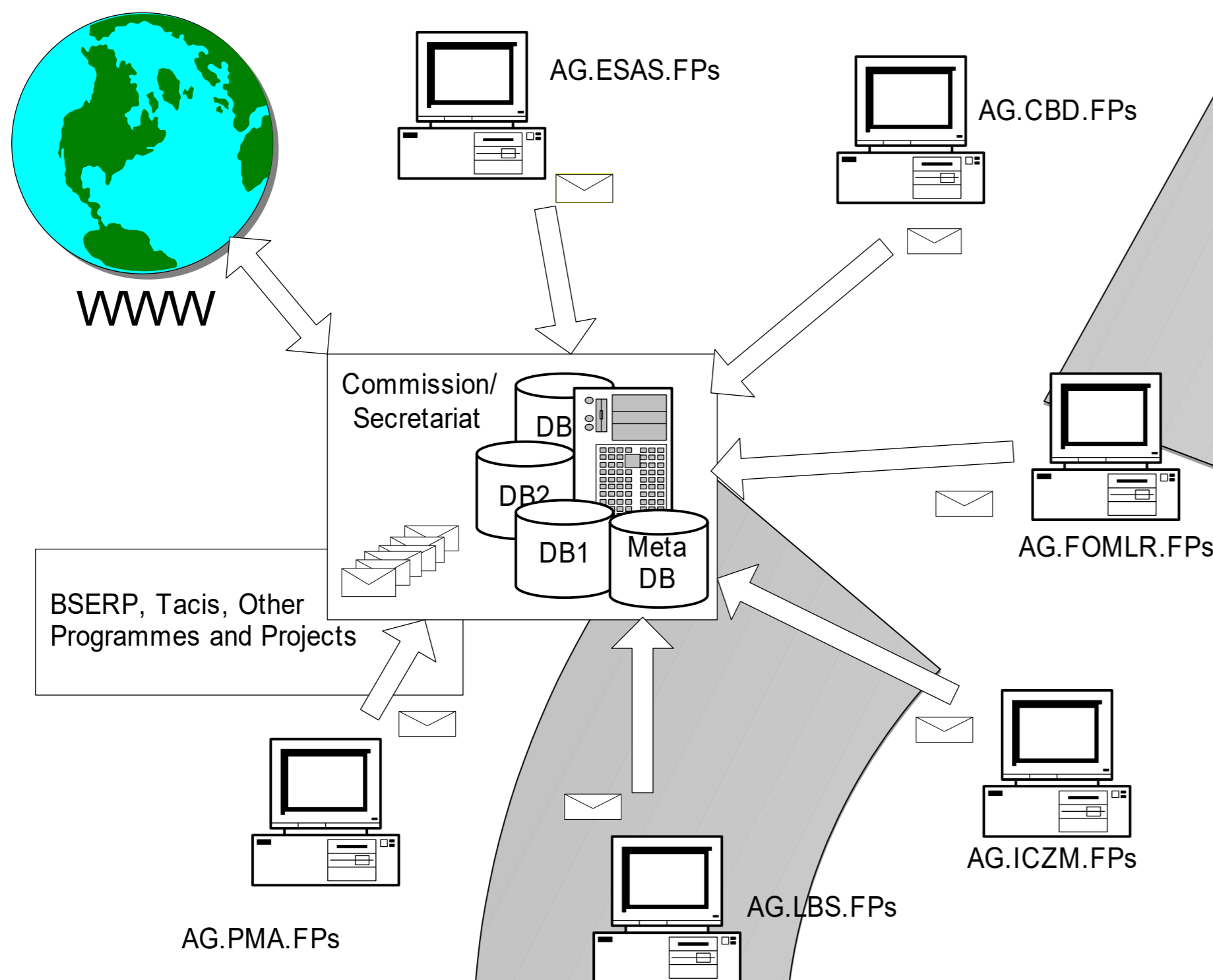# UNDP GEF Black Sea Ecosystem Recovery Project
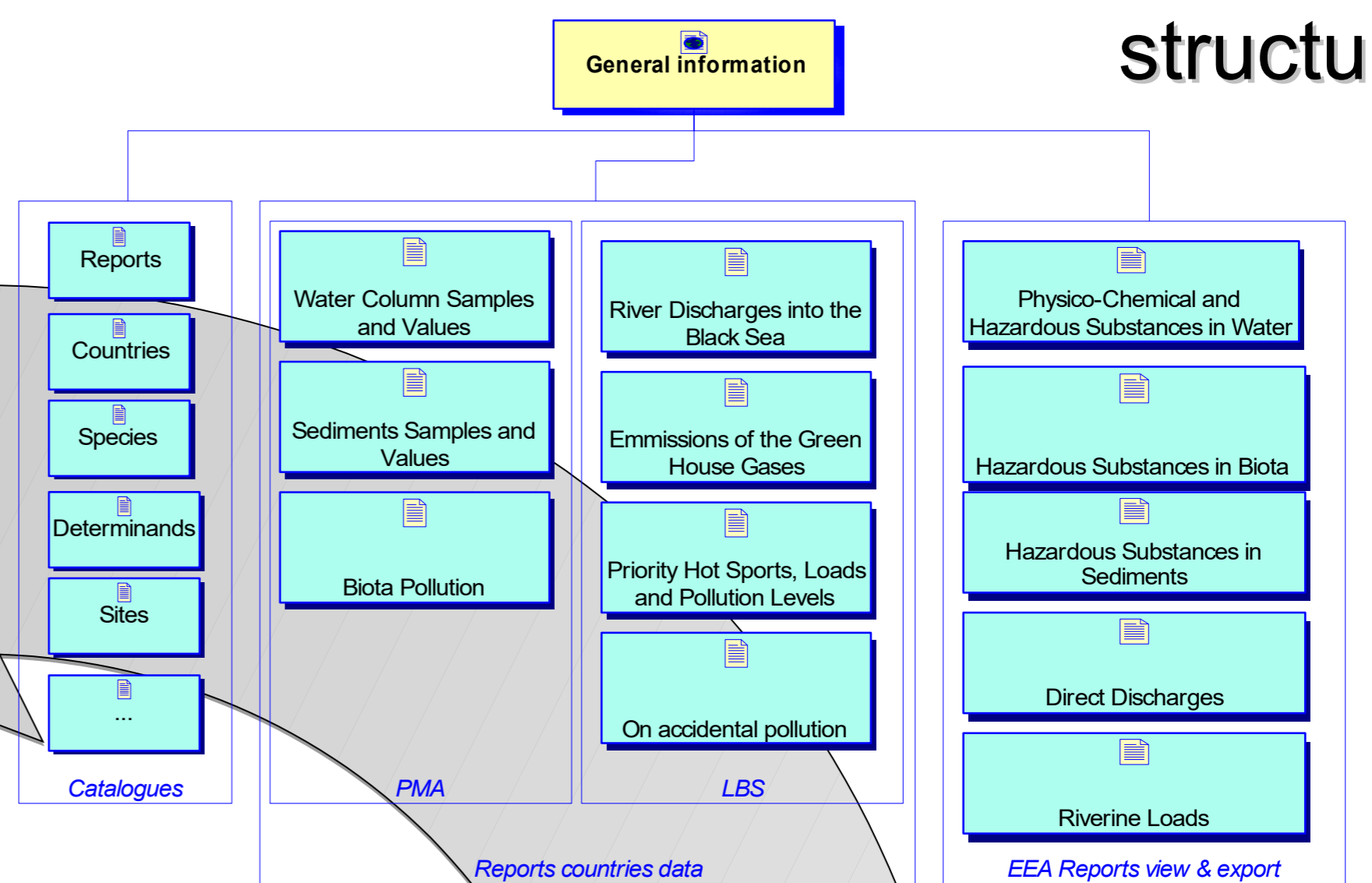
BSERP

The Black Sea Information System (BSIS)

Three principles of the BSIS:

1.Countries use local applications for each advisory group to enter data, send or upload to the Commission's server through secure internet channels
2.Commission's staff checks and imports the data into the central database
3.Output data from the central database available to BSIS users through local network and/or in the wed through a WEB application
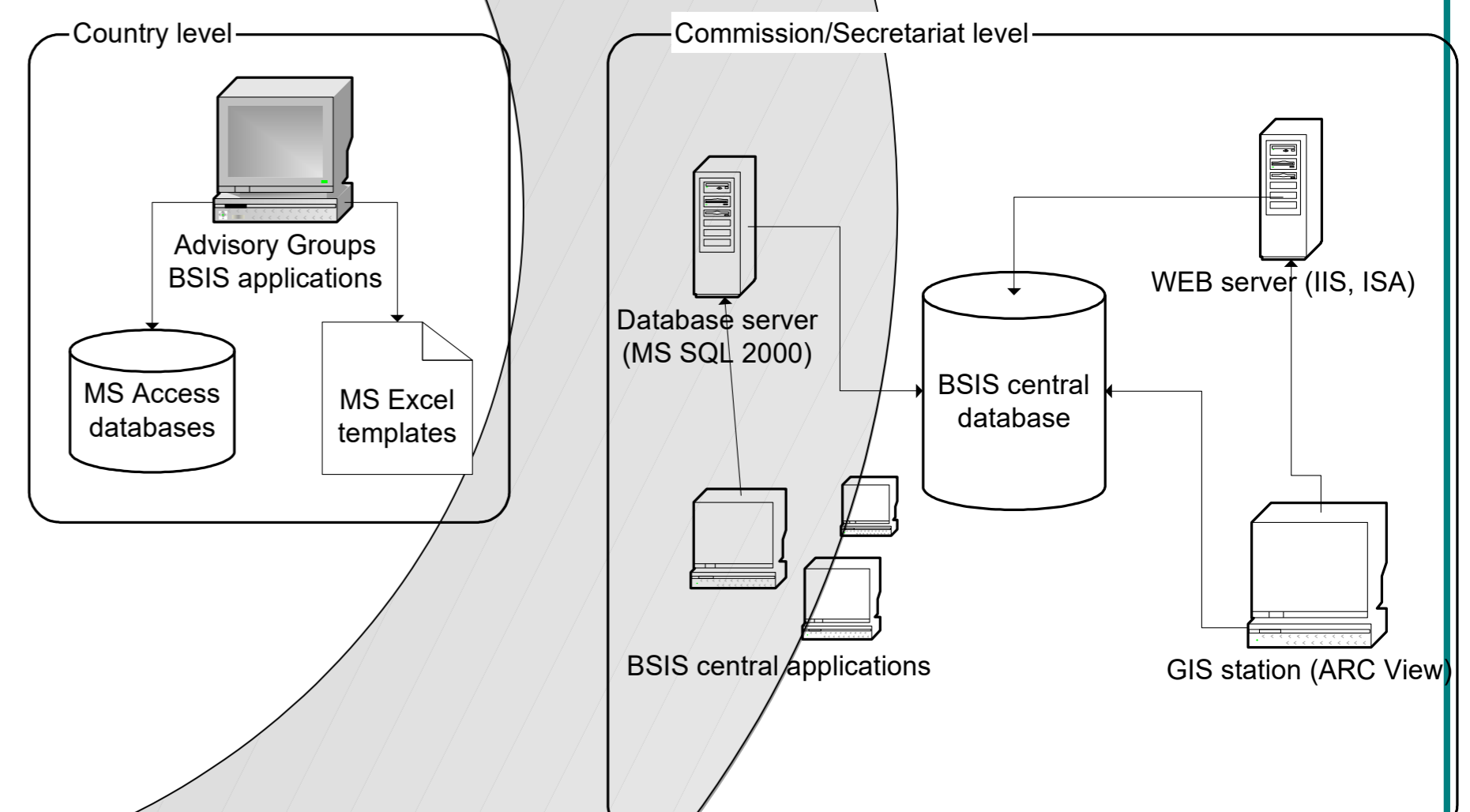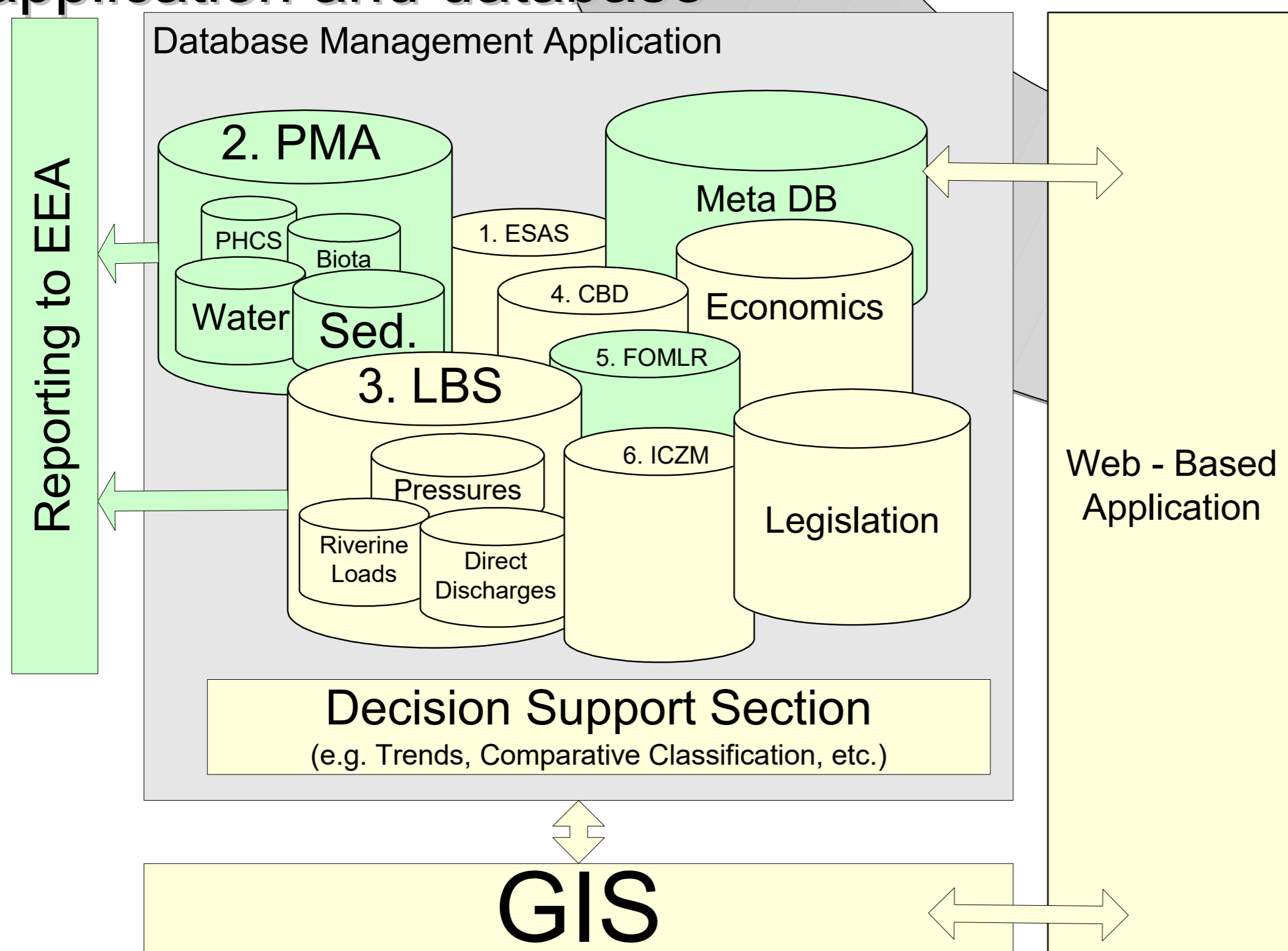
General BSIS scheme and data exchange diagram

AG.ESAS.FPs

AG.CBD.FPs

WWW

Commission/ Secretariat
DB
DB2
DB1   Meta DB

AG.FOMLR.FPs

BSERP, Tacis, Other Programmes and Projects

AG.ICZM.FPs

AG.LBS.FPs

AG.PMA.FPs

Web-based application structure

General information

Reports	Water Column Samples and Values	River Discharges into the Black Sea	Physico-Chemical and Hazardous Substances in Water
Countries	Sediments Samples and Values	Emmissions of the Green House Gases	Hazardous Substances in Biota
Species	Biota Pollution	Priority Hot Sports, Loads and Pollution Levels	Hazardous Substances in Sediments
Determinands		On accidental pollution	Direct Discharges
Sites			Riverine Loads
...			

Catalogues — *PMA* — *LBS* — *EEA Reports view & export*

Reports countries data

BSIS Technologies

Country level

Advisory Groups BSIS applications

MS Access databases — MS Excel templates

Commission/Secretariat level

Database server (MS SQL 2000)

BSIS central database

WEB server (IIS, ISA)

BSIS central applications

GIS station (ARC View)

Structure of the central BSIS application and database

Reporting to EEA

Database Management Application

2. PMA
PHCS   Biota
Water   Sed.
1. ESAS
4. CBD
5. FOMLR
6. ICZM
Meta DB
Economics

3. LBS
Pressures
Riverine Loads   Direct Discharges
Legislation

Decision Support Section
(e.g. Trends, Comparative Classification, etc.)

Web - Based Application

GIS

BSIS VPN Network

RAC.ESAS
DBN
DB
DB1
IP-address

RAC.CBD
DBN
DB
DB1   IP-address

RAC.FOMLR
DBN
DB
DB1
IP-address

Commission/ Secretariat
DB
DB2   IP-address
DB1   Meta DB

VPN

WWW

IP-address

RAC.ICZM
DBN
DB1

RAC.PMA
DBN
DB
DB1   IP-address

RAC.LBS
DBN
DB
DB1   IP-address