

## LEGMC role in WFD implementation

### According to Water Management Law, LEGMC:

- develops water quality monitoring programmes, performs regular monitoring of inland surface waters and groundwater;
- develops river basin managements plans and programmes of measures;
- coordinates implementation of PoMs;
- develops flood risk management plans;
- reports RBMPs and FRMPs to the Commission.

# LEGMC role in WFD implementation

To develop RBMPs, LEGMC collaborates with other institutions:

- Ministry of Environment Protection and Regional Development (MEPRD);
- Ministry of Agriculture (ZM);
- State Environmental Service (VVD);
- Institute of Aquatic Ecology (LHEI);
- University of Latvia, Institute of Biology (LU BI);
- Latvian University of Agriculture (LLU);
- State Forest Service, etc.

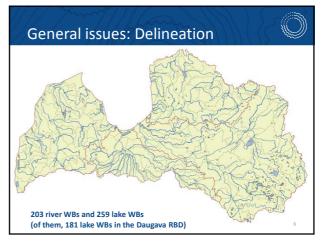
# LEGMC role in WFD implementation

Information included in the RBMPs is coordinated with MEPRD

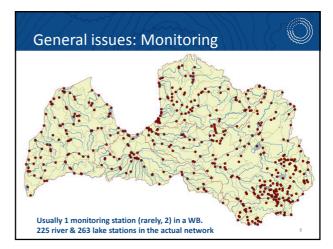
First (2009) and second (2015) RBMPs were legally approved by Minister of Environmental Protection and Regional Development

RBMPs are legally binding for the institutions supervised by MEPRD





# General issues: Delineation 6 types of rivers River WBs: for the most part, with catchment area > 100 km2 Of 203 river WBs, 27 are HMWBs 10 types of lakes Lake WBs: lake surface area > 0.5 km2 Of 259 lake WBs, 4 are HMWBs 1 transitional WB and 4 coastal WBs (previously 6 coastal WBs)



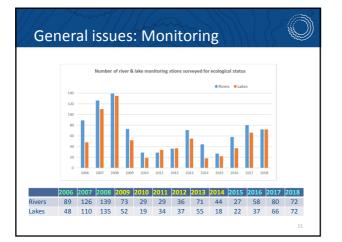
## General issues: Monitoring

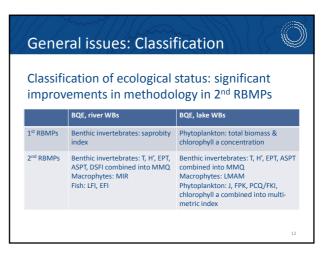
Before 2006: monitoring of surface waters generally designed to assess impact from the sources of pollution

Additional tasks – monitoring under HELCOM, ICP-Waters, cross-border agreements

Starting with 2006: monitoring **re-designed** in accordance with WFD principles (monitoring station representative of a water body) New locations; large number of new lake stations

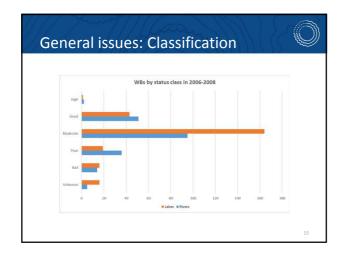
# General issues: MonitoringTo develop first RBMPs: first monitoring cycle – 3<br/>years long (2006 – 2008)All new monitoring stations had to be covered in<br/>3 years' timeSecond monitoring cycle: 2009 – 2014<br/>Third monitoring cycle: 2015 – 2020New requirements posed by EQS directive:<br/>significantly higher costs (& limited financing)<br/>Need to reduce the number of stations surveyed

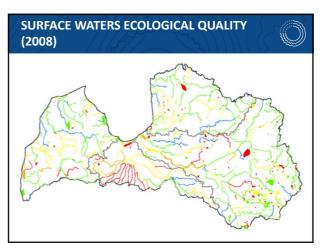


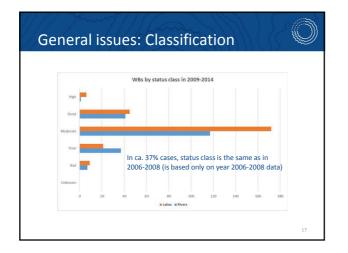


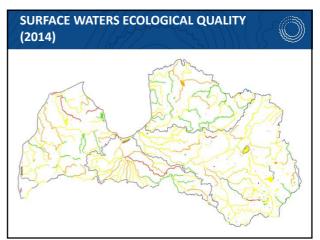
2.4000	Number of QEs significantl increased
2nd RBMPs re-assessment	Taxonomic composition &
1st RbMPs	abundance taken into account
2006 2007 2008 2009 2010 2011 2012 2013 2014	First monitoring cycle data assessed for 2 <sup>nd</sup> RBMPs
first monitoring cycle under the WFD second monitoring cycle under the WFD	

Number of QEs significantly increased	Data gaps: number of stations per year. In many cases, only 2006-2008 year data available
Taxonomic composition & abundance taken into account	Data gaps: number of QEs in a given station & year
First monitoring cycle data re- assessed for 2 <sup>nd</sup> RBMPs	In most cases, low status assessment confidence
	ovements / progress in ecological a 1 <sup>st</sup> and 2 <sup>nd</sup> RBMPs









20

## General issues: Pressures

1)Lack of precise biogenic loads:

- to Baltic sea and Gulf of Riga;
- from agricultural activity;
- from cross-border pollution;
- from decentralized sewage systems 2)Lack of data for pressure modelling:
- aquaculture data;
- fertilizer amount to fields;
- decentralized sewage system amount;
- precise data about clear-cuts;

3) Lack of assessment of pressures from lakes, because of all lake catchment areas are not defined

 $\bigcirc$ 

# General issues: Development of PoMs

- PoM is binding to state institutions subordinated to Ministry of Environment;
- For rest of the institutions, farmers, NGOs etc. PoM has only reccomendative status;
- PoM has no Cost effectiveness analysis;
- The effect of measures is not known in some cases;
- Financing of measures is not known for most of the measures;
- Implementation status is not known in most cases

