

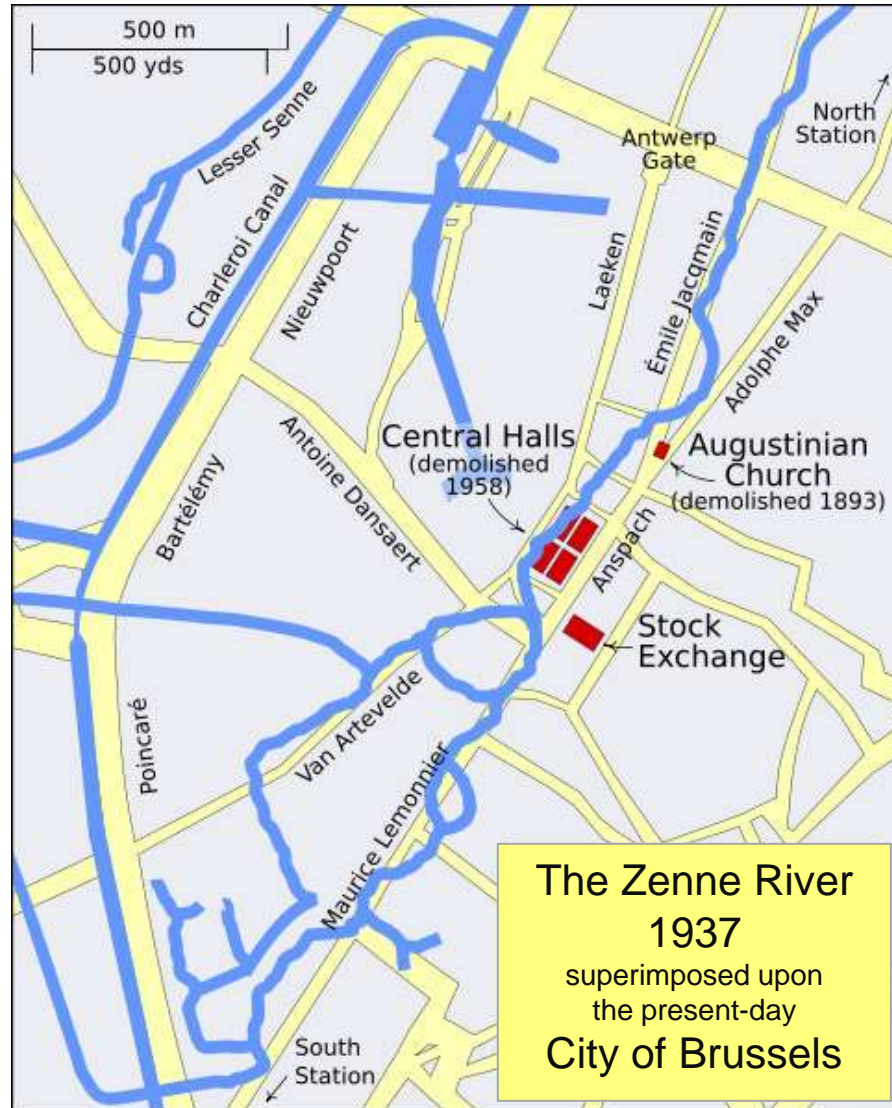
The state of rivers in Europe

Dr Hans Bruyninckx
Executive Director, European Environment Agency

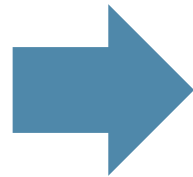
European Environment Agency



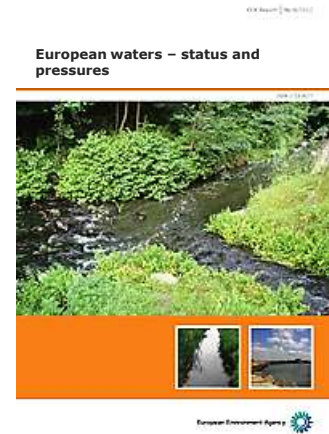
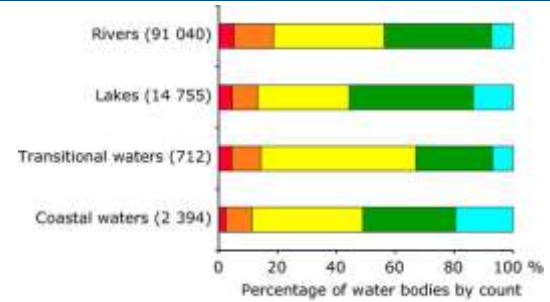
Adaptation of rivers



EEA water information centre

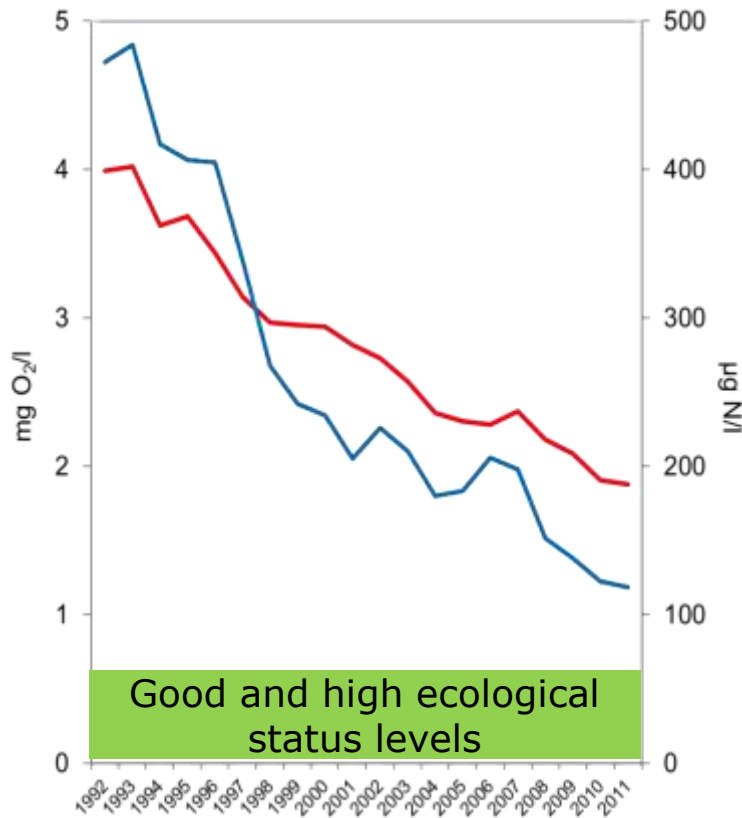


WISE
WATER INFORMATION
SYSTEM FOR EUROPE

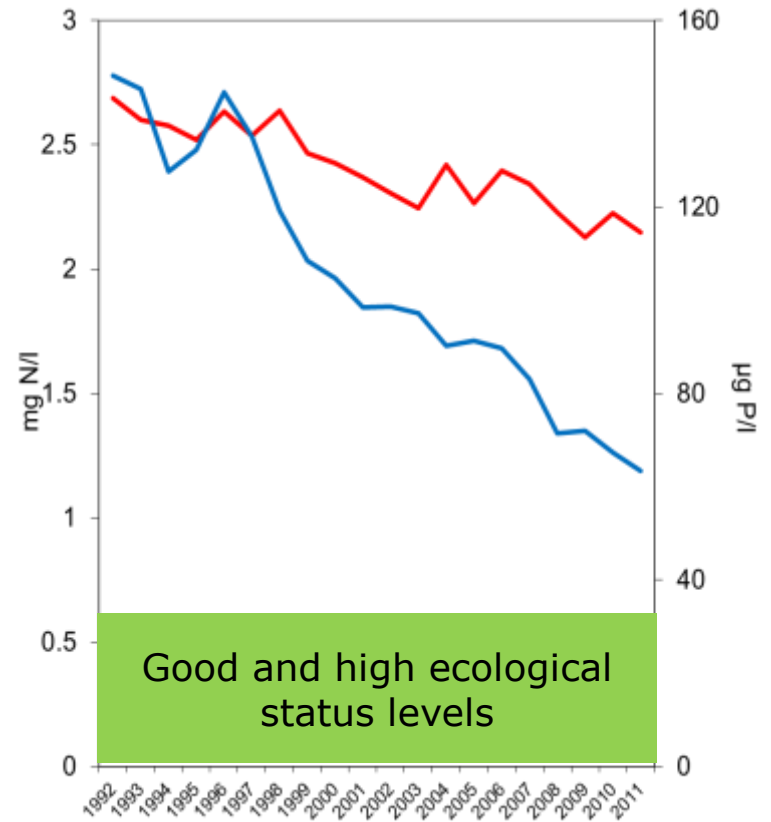


Rivers are getting cleaner (1992-2011)

— BOD
— Total ammonium



— Nitrate
— Orthophosphate



River basin management

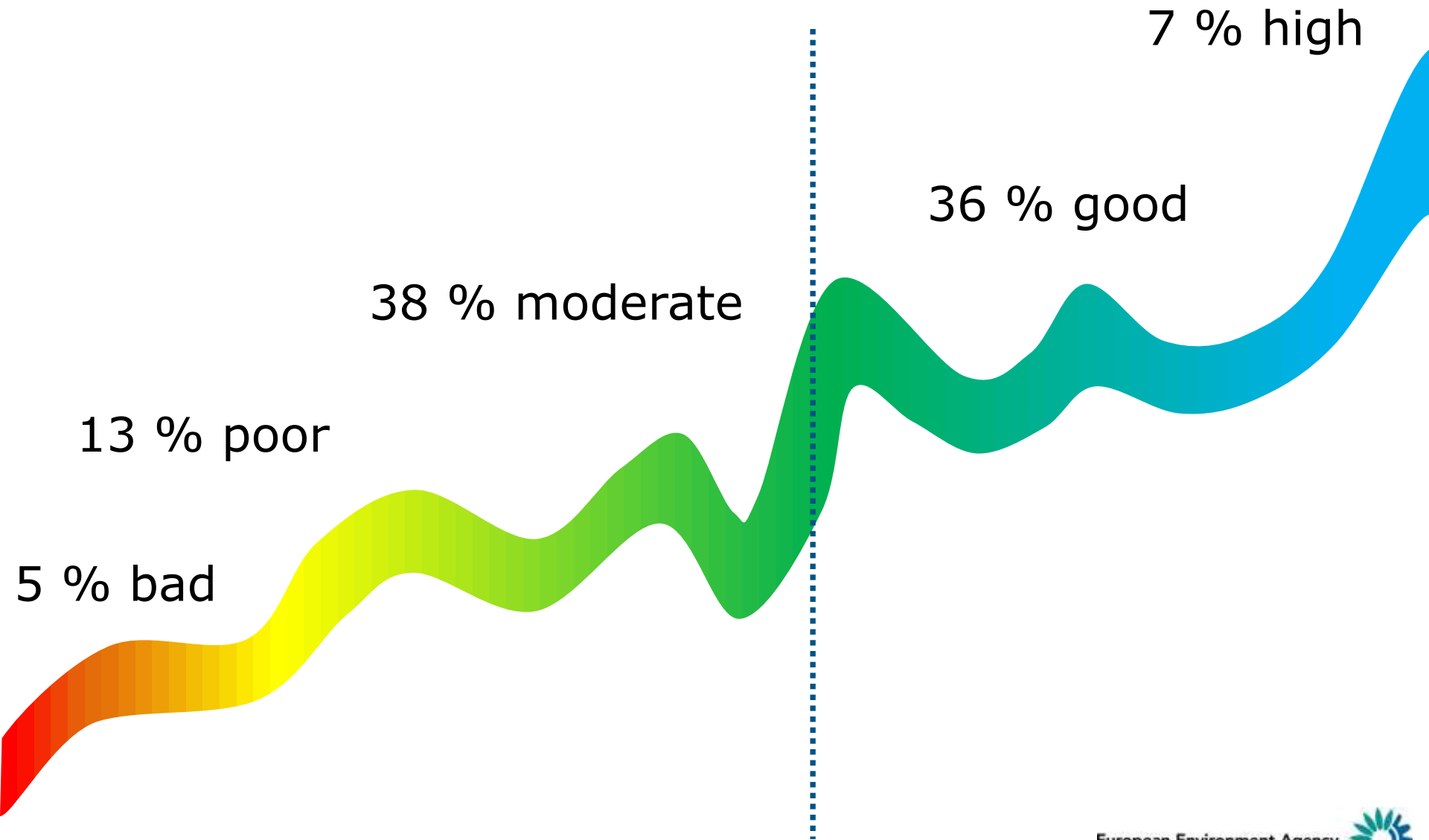
Move from quality standard approach ...



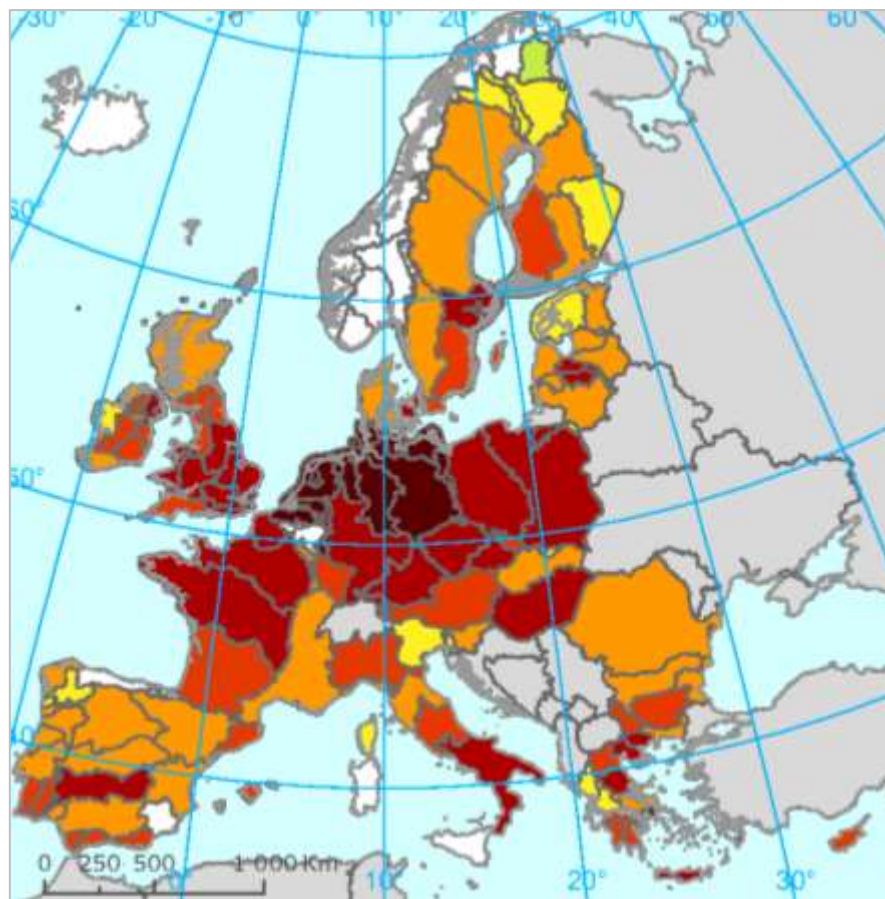
to an integrated, ecological approach.



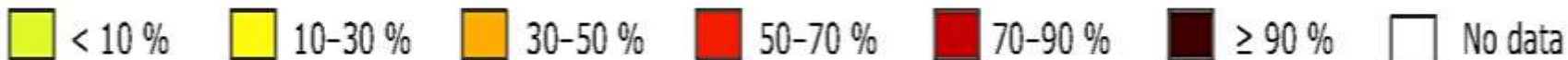
Ecological status of Europe's rivers



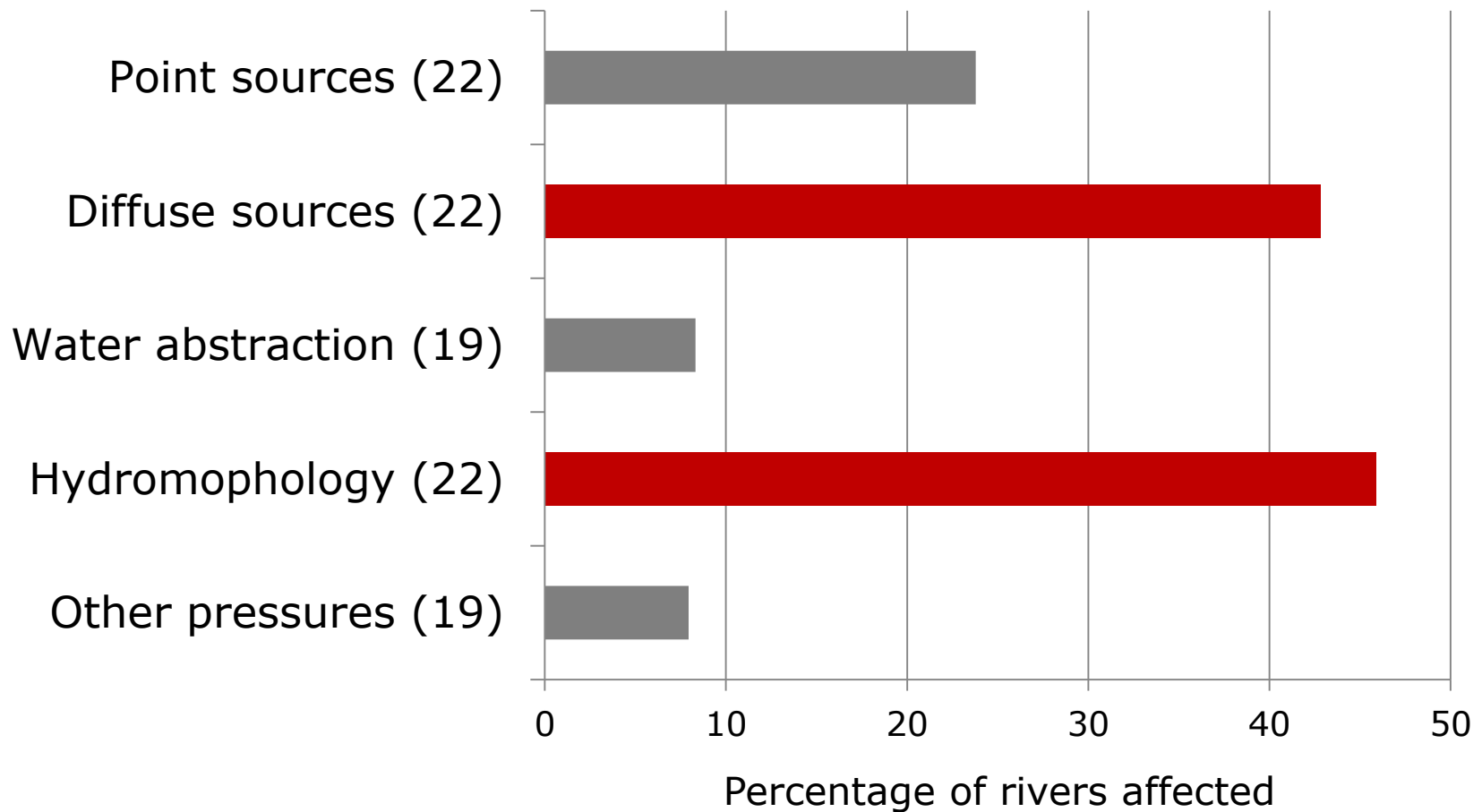
Ecological status of Europe's rivers



moderate-to-bad ecological status

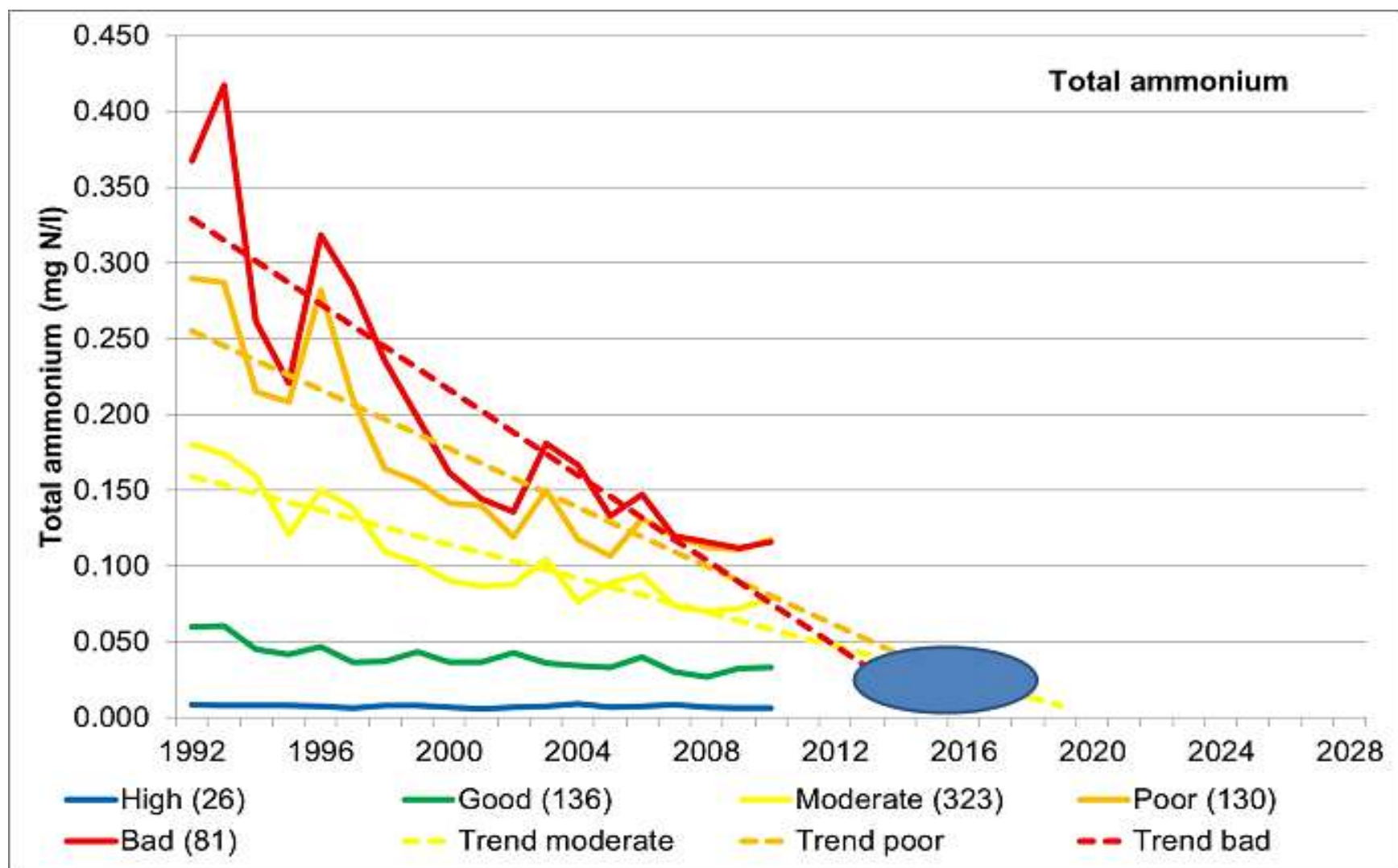


Pressures on Europe's rivers

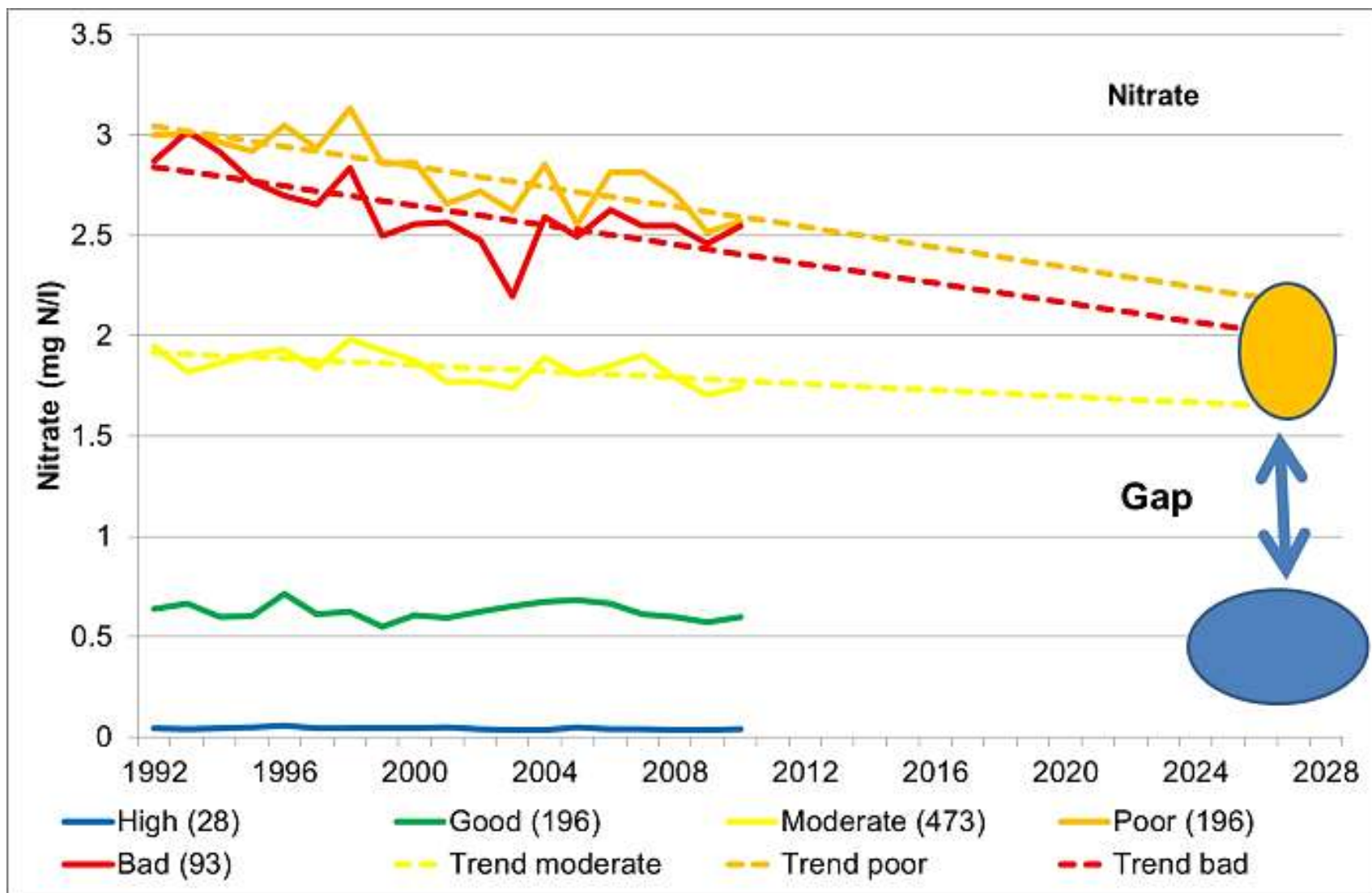


() = Number of EU Member States that reported the pressure, out of 22.

Pollution reduction from point sources



Pollution reduction from diffuse sources



Sources of pressures

Driving forces

Agriculture

Urban

Industry

Hydropower

Navigation

Flood Protection

Climate change



Pressures

Water pollution
From wastewater and
diffuse sources

Water storage, and
abstraction

Barriers (dams, weirs
etc.)

Bank reinforcements
channelisation and
straightening



State

Poor water
quality

Altered and
degraded river
habitats



The River Zenne today



River Liesing

Heavy flood events in 1954



Post-flood river modifications



More information



eea.europa.eu



water.europa.eu