



Water management and implementation of the Water Framework Directive in the French part of the Rhine river basin district



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ÉTABLISSEMENT PUBLIC DU MINISTÈRE DE L'ÉCOLOGIE, DE L'ÉNERGIE,
DU DÉVELOPPEMENT DURABLE ET DE L'AMÉNAGEMENT DU TERRITOIRE



Water management in France

Water management in France combines

- Regulation
- Polluter pays principle
- Participation of stakeholders
- Planning on a river basinwide scale

Water agencies to apply the polluter pays principle



➤ 6 water agencies in France

➤ Budget : € 2 billion / year
(from charges)





Rhine-Meuse basin natural and human environment

- A strong international context at the border with Switzerland, Germany, Luxemburg and Belgium
- 2 international river basin districts :
Rhine district (9 countries concerned)
Maas district (4 countries concerned)

Population : 4,2 million inhabitants

Area : 31 400 km²



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Rhine-Maas Water Agency

- **Budget** : 200 million euros
- **Manpower** : 230 officials
- **Missions** :
 - Bring financial help for the protection of water resources
 - Improve knowledge about the natural environment
 - Plan – Elaborate programmes
 - Inform, increase public awareness, educate





Stake : ecological continuity

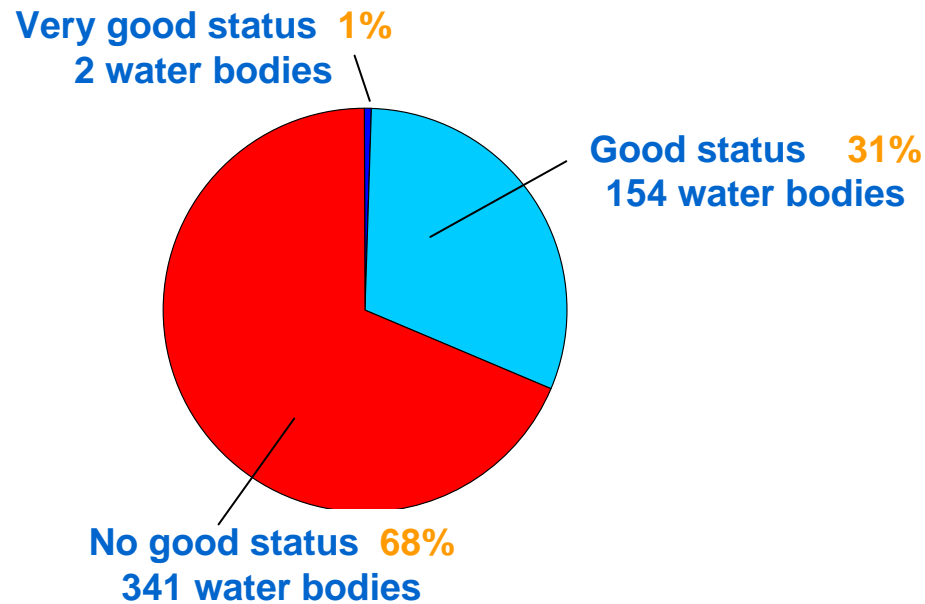
- **Water and biodiversity :**
Salmon's return into the Rhine and its affluents :
passing through big dams





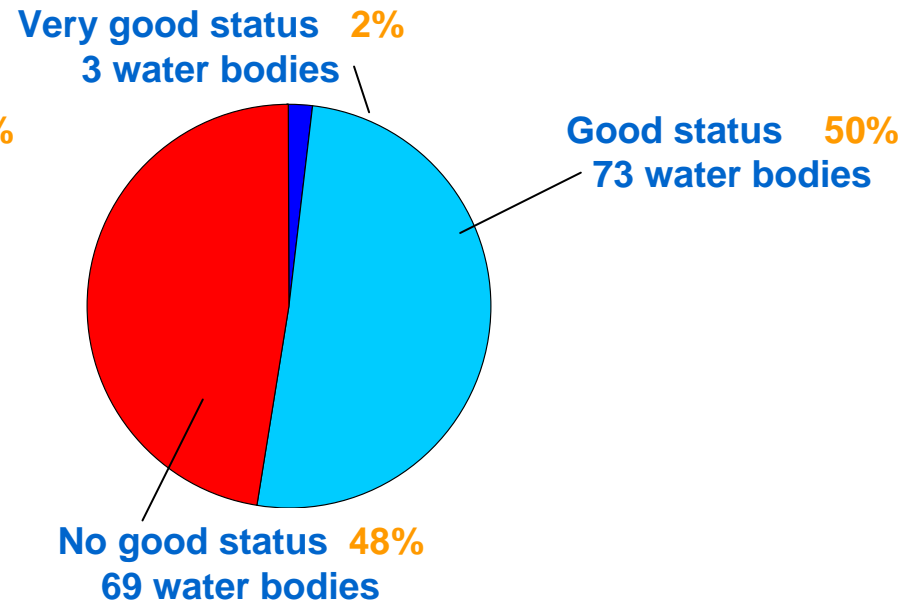
Present status of surface waters (ecological status)

■ RHIN



498 water bodies

■ MAAS



145 water bodies

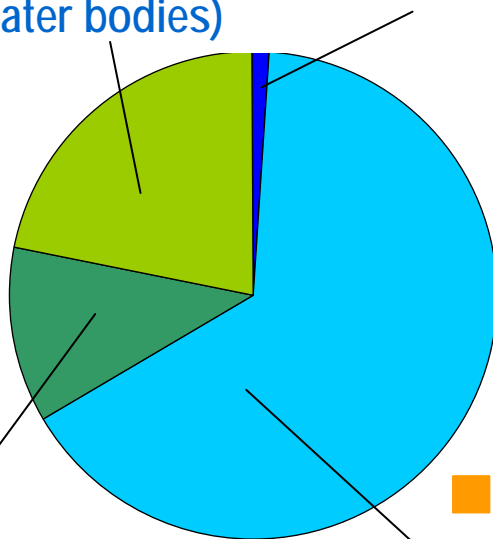




Reconquest objectives regarding the good status of surface waters

Good status or potential 2027 : 22%
(109 water bodies)

Very good status 2015 : 1%
(5 water bodies)



■ **RHINE**

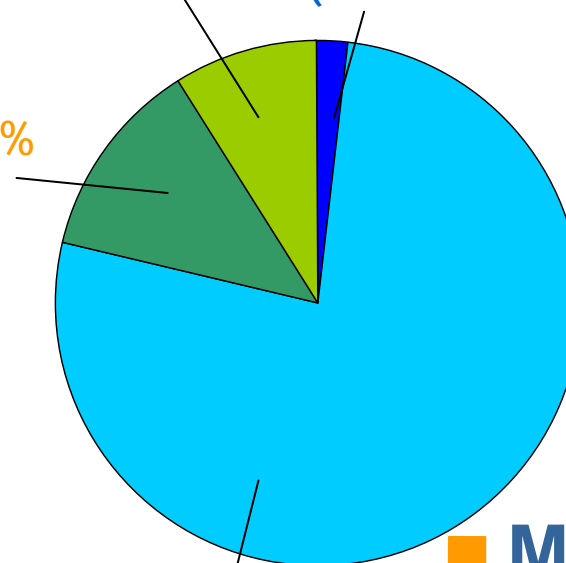
Good status or potential 2021 : 12%
(55 water bodies)

Good status or potential 2015 : 65%
(325 water bodies)

Good status or potential 2027 : 9%
(13 water bodies)

Very good status 2015 : 2%
(3 water bodies)

Good status or potential 2021 : 12%
(18 water bodies)



■ **MAAS**

Good status or potential 2015 : 77%
(111 water bodies)



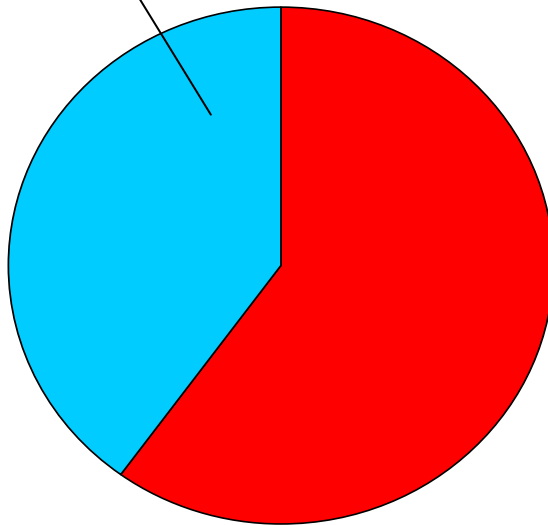


Present status of ground waters

■ RHINE

Good status 40%

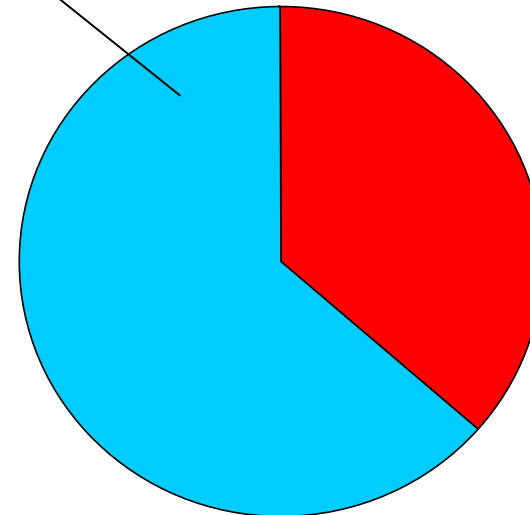
6 water bodies among 15



■ MAAS

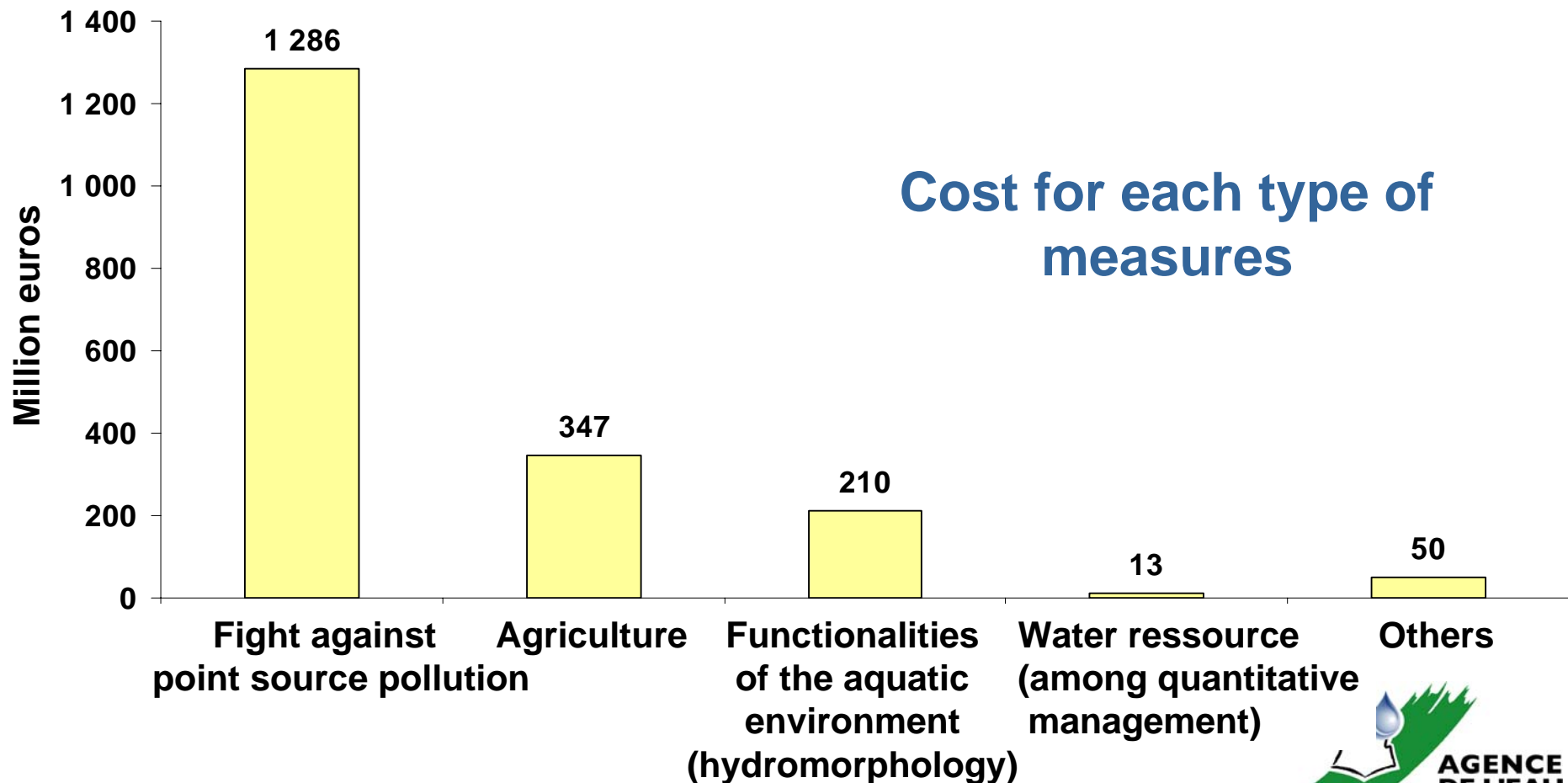
Good status 64%

7 water bodies among 11





Rhine-Maas basin's 1st Programme of measures: Costs (2010-2015)





Costs of the measures

- 1900 million euros to reach the good status for 2/3 of the water bodies in 2015
→ 75 euros / inhabitant / year
- 4000 million euros to reach the good status of all the water bodies in 2027
→ 1000 euros / inhabitant