For our Environment

Umwelt Bundesamt

EIONET Freshwater Workshop 2016

Results of the 2nd RBMP – Tree short examples from Germany

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Section II 2.2 (Discharges and Inputs to Surface Waters)

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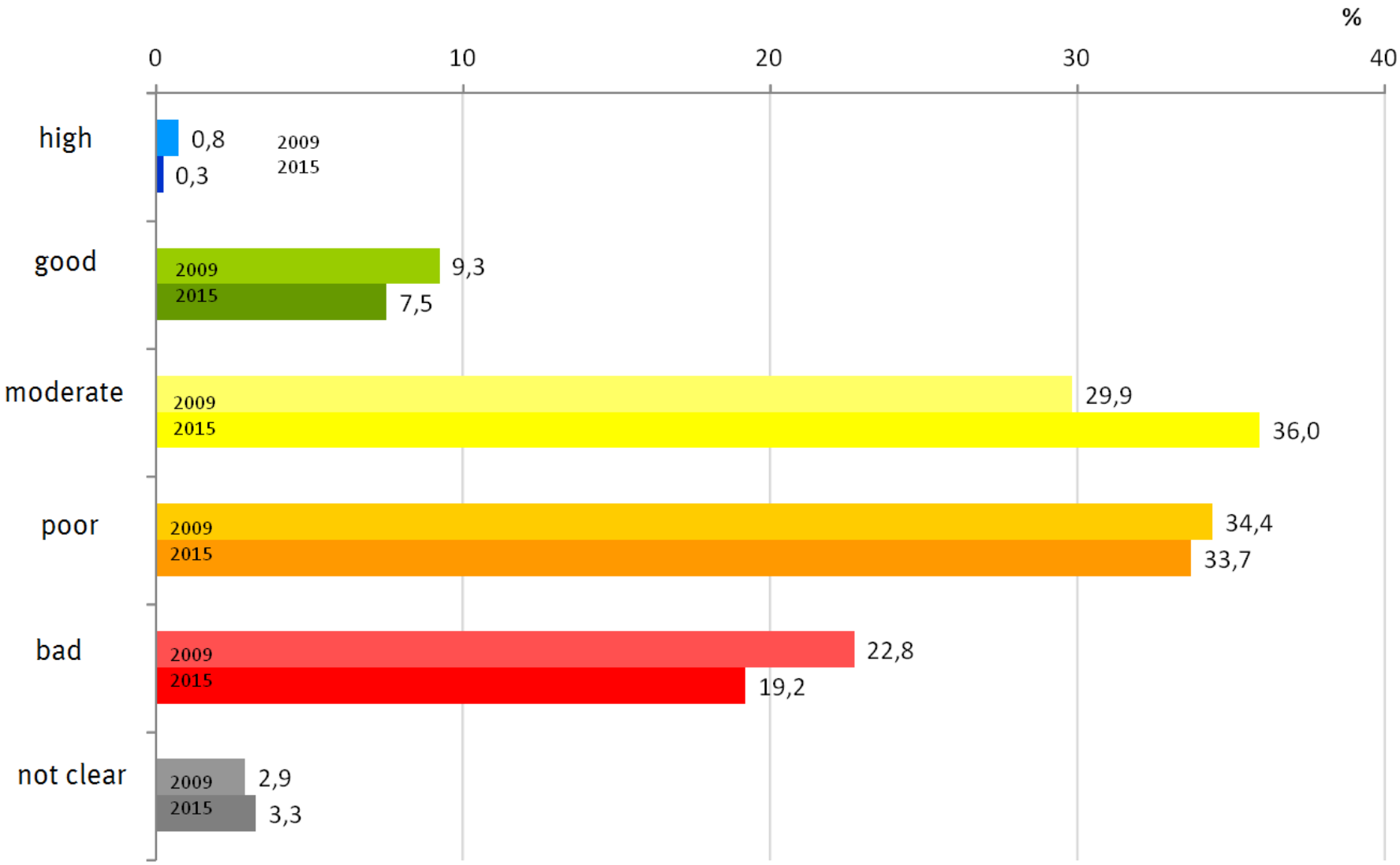
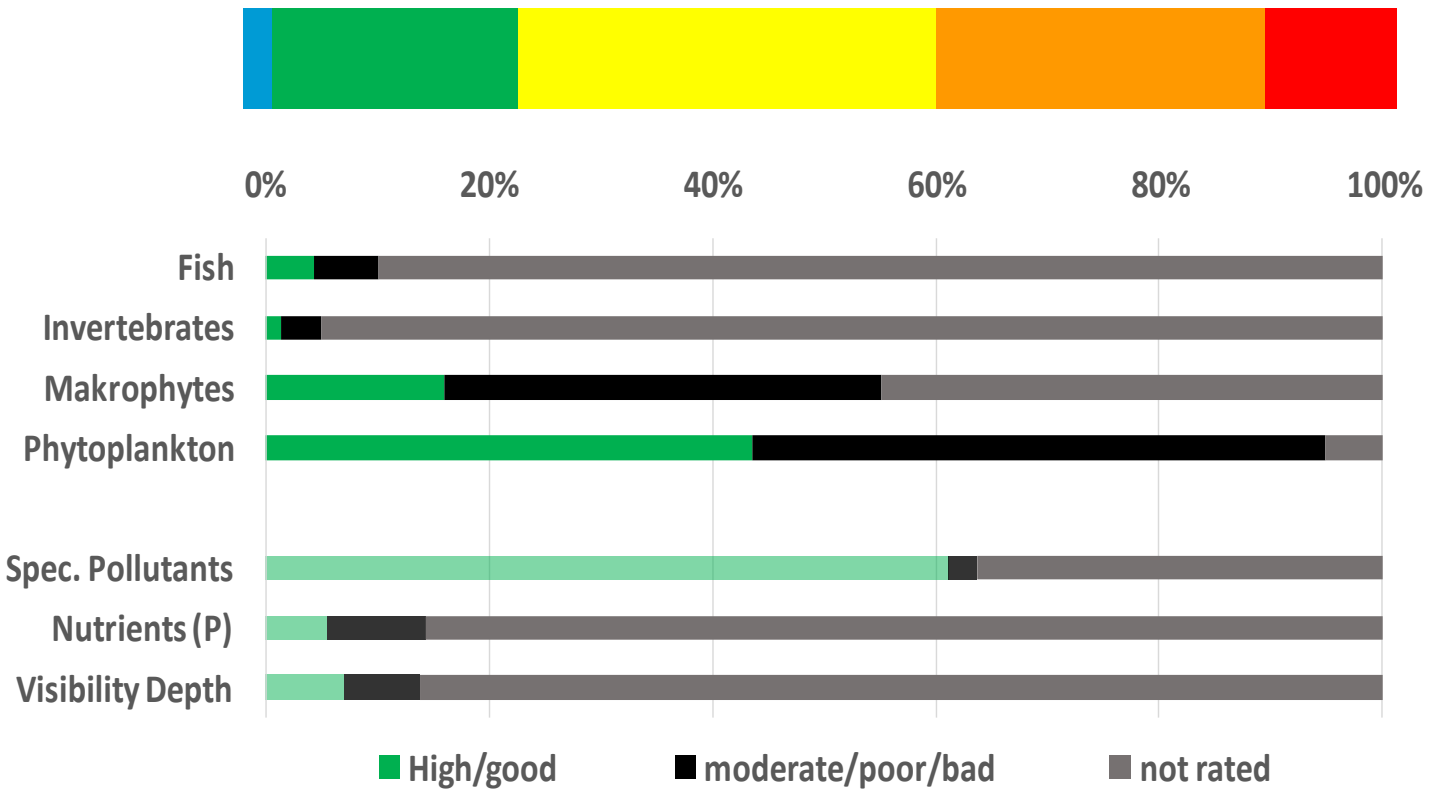
– Example 1 – Comparison 1st and 2nd RBMP (2009/2015)



Example 2 - Status of quality elements: Lakes



Example 3 – Priority substances in 10 German RBDs

Stoffname	Donau	Eider	Elbe	Ems	Maas	Oder	Rhein	Schlei/ Trave	Warnow/ Peene	Weser
Schwermetalle										
Blei										
Cadmium										
Nickel										
Ubiquitäre Stoffe										
Bromierte Diphenylether (BDE)										
Quecksilber										
Polycyclische aromatische Kohlenwasserstoffe (PAK)										
Tributylzinnverbindungen (Tributylzinn-Kation)										
Andere industrielle Schadstoffe										
1,2-Dichlorethan										
Anthracen										
Bis(2-ethyl-hexyl)phthalat (DEHP)										
Fluoranthen										
Hexachlorbenzol										
Hexachlorbutadien										
Naphthalin										
Nonylphenol										
Octylphenol										
Pentachlorbenzol										
Tetrachlorethylen										
Trichlorbenzole										
Trichlorethylen										
Trichlormethan										
Andere (ohne Überschreitungen)	Benzol, Tetrachlorkohlenstoff, C10-13 Chloralkane , Dichlormethan, Pentachlorphenol									
Pestizide										
4,4-DDT, DDT insgesamt										
Chlorpyrifos										
Diuron										
Hexachlorcyclohexan (HCH)										
Isoproturon										
Andere (ohne Überschreitungen)	Alachlor, Atrazin, Chlorfenvinphos, Drine, Endosulfan, Simazin, Trifluralin									
Nährstoffe										
Nitrat										

Conclusions

• only an apparent detoriation at high/good: 2009 assessment methods for some biological quality elements were not developed

• reduction poor/bad → moderate: first successes of measures

• Biological assessment of lakes mainly consists of phytoplankton and macrophytes: concentration of monitoring on eutrophication - Biological assessment of rivers mostly for macroinvertrebrates, fish and macrophytes/phytobenthos: concentration of monitoring on morphology and eutrophication

• spezific polltants are unproblematic in lakes; in rivers they are also seldom problematic

• mercury exceeded in all RBDs, heavy metals are a problematic in big RBDs (Elbe, Danube, Rhine)

• for 12 priority substances (some pestizides and industrial chemicals) never exceeded standards – could be candidates for deletion from directive

Thanks for your attention!

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