

MARINE STRATEGY FRAMEWORK DIRECTIVE (MSFD) Regional Training

18 - 20 May 2015

ECRAN

**Danube - Black Sea
Joint Technical Working Group**



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Structure of the presentation

Problems of the Danube

Solutions and challenges

MoU – ICPDR and Black Sea CDommission

DBS JTWG



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Cooperation with BSC



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Danube –Black Sea Joint Technical Working Group



on its way to success!

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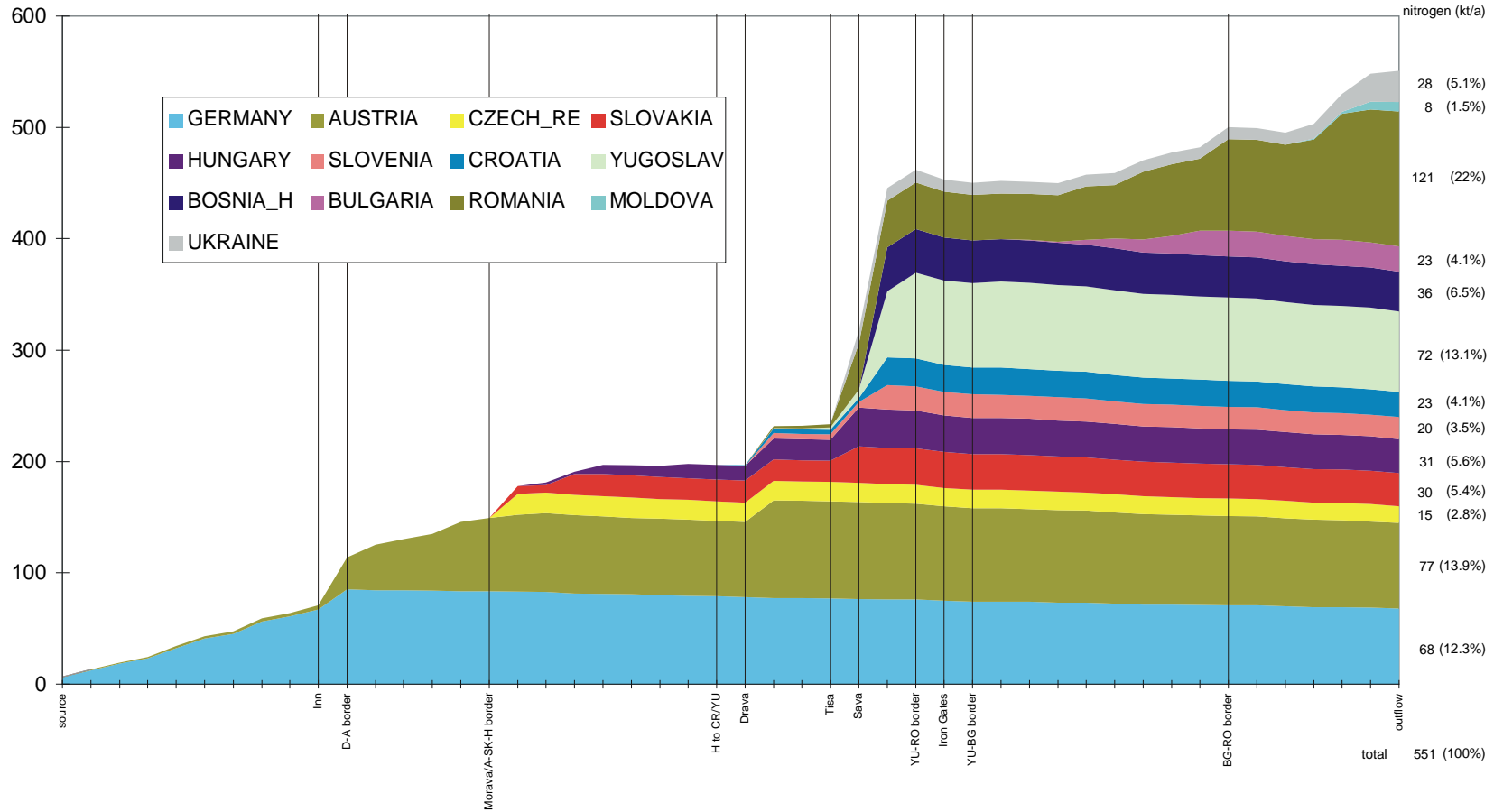
Problems of the Danube

Danube eutrophication!

- The Danube, as one of the major rivers discharging into the Black Sea, was estimated to introduce on average about 35,000 tonnes of P and 400,000 tonnes of inorganic N into the Black Sea each year.
- The present level of the P load in the Danube River system is about 20% higher than in the 1960s.



Annual Nitrogen Load in the Danube (in kt/y), subdivided over the countries of origin, with a high estimate for the in stream denitrification (= removal rate)

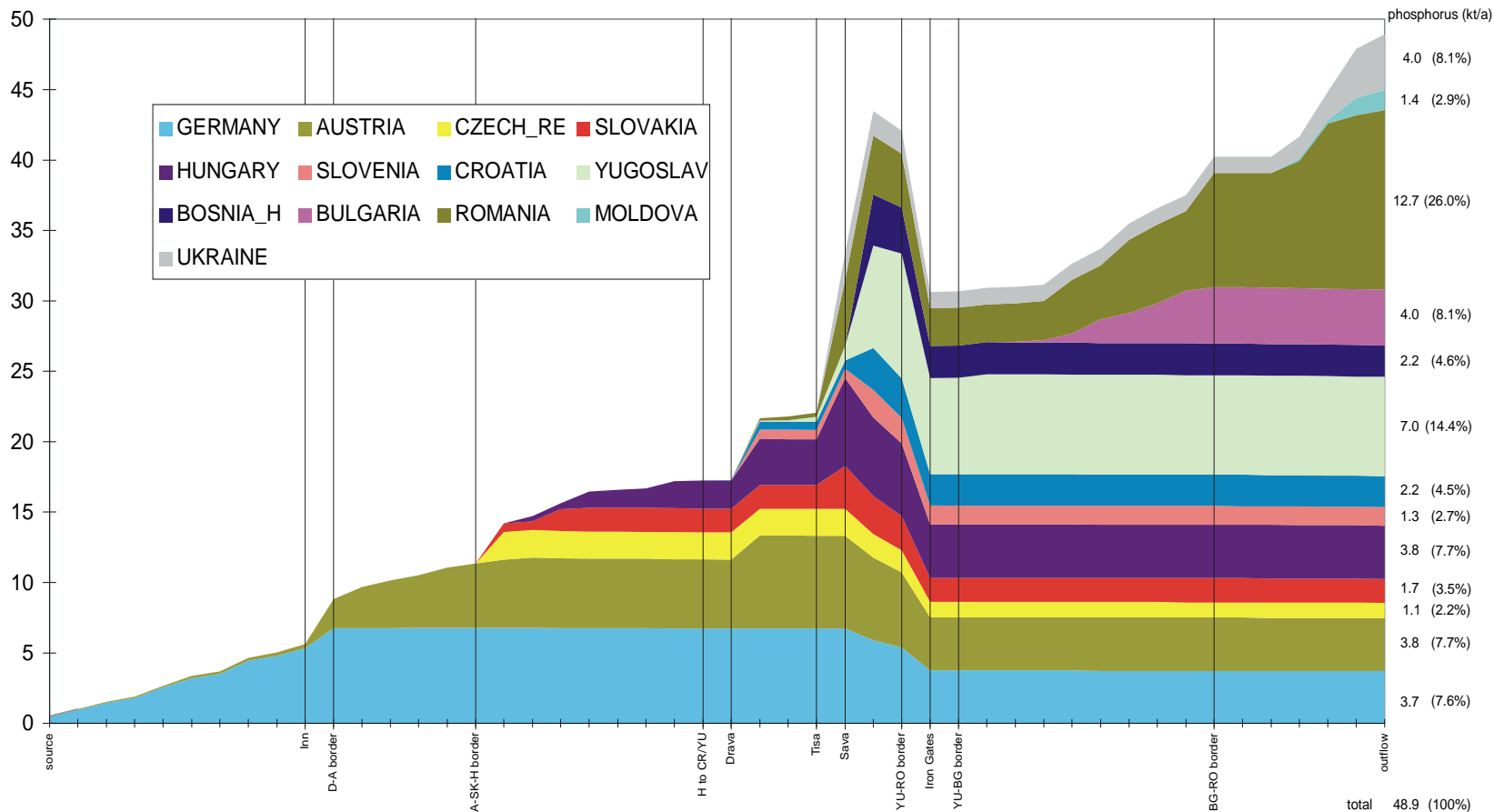


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 Internationale Kommission zum Schutz der Donau
 icpdr iksd

Annual Phosphorus Load in the Danube (in kt/y), subdivided over the countries of origin



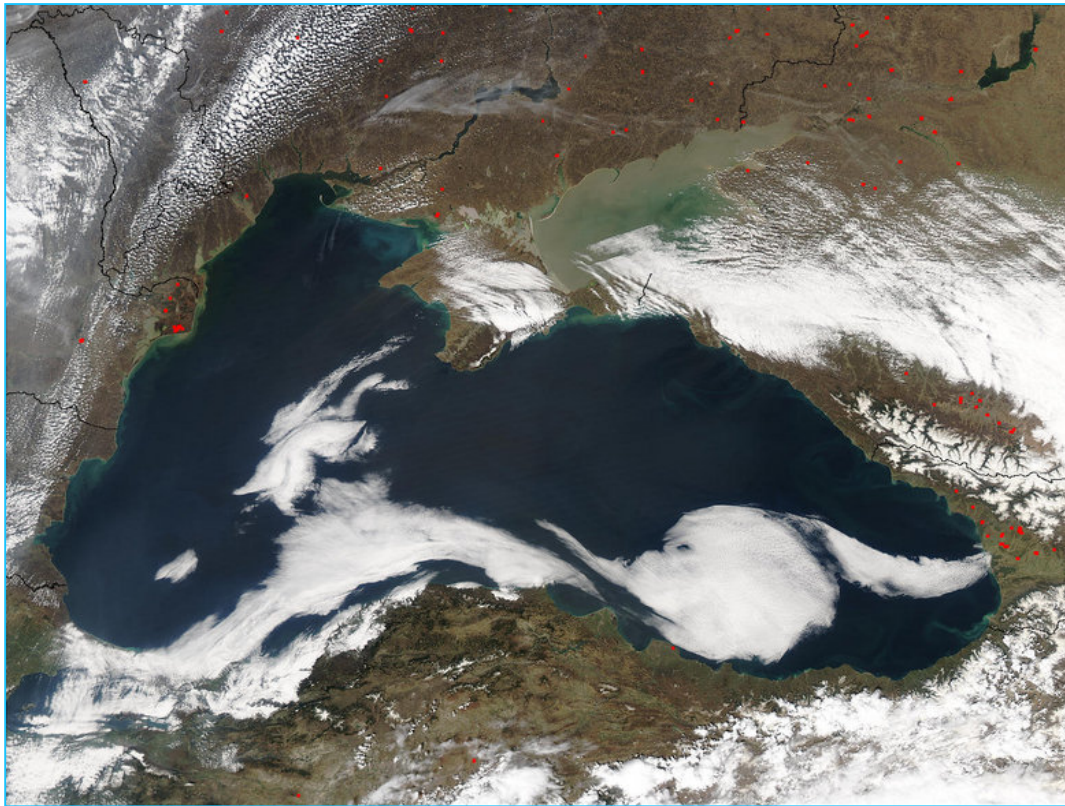
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Phosphorus: a Danube problem!



“There is clear evidence that further Phosphorus input reduction is needed in the Danube River Basin and Black Sea NW Shelf” (DRBMP, 2009).



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Current solutions not sufficient

- Tertiary treatment as required by the UWWT Directive is not sufficient to address the problem of excess P emissions
- Loads will still be in excess of the level discharged in the 1960s (DRBMP, 2009)
- Significant phosphorus reduction can be achieved by widespread adoption of P-free detergents.



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Memorandum of Understanding

between the International Commission for the Protection of the Black Sea (ICPBS) and the International Commission for the Protection of the Danube River (ICPDR) on Common Strategic Goals (2001)



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Restoring the Black Sea: MoU ICPDR and ICPBS, 2001

It is the framework for implementing common strategic goal:

The long-term goal in the wider Black Sea Basin is to take measures to reduce the loads of nutrients ... discharged to such levels necessary to permit Black Sea ecosystems to recover to conditions similar to those observed in the 1960s.



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High Level Ministerial Meeting Danube and Black Sea Countries

Danube Declaration

Commitment to reduce phosphates in detergents in the
Program of Measures/WFD:

***“Expressing support for other solutions for reducing
nutrient pollution such as measures for the
introduction of phosphate-free detergents”***



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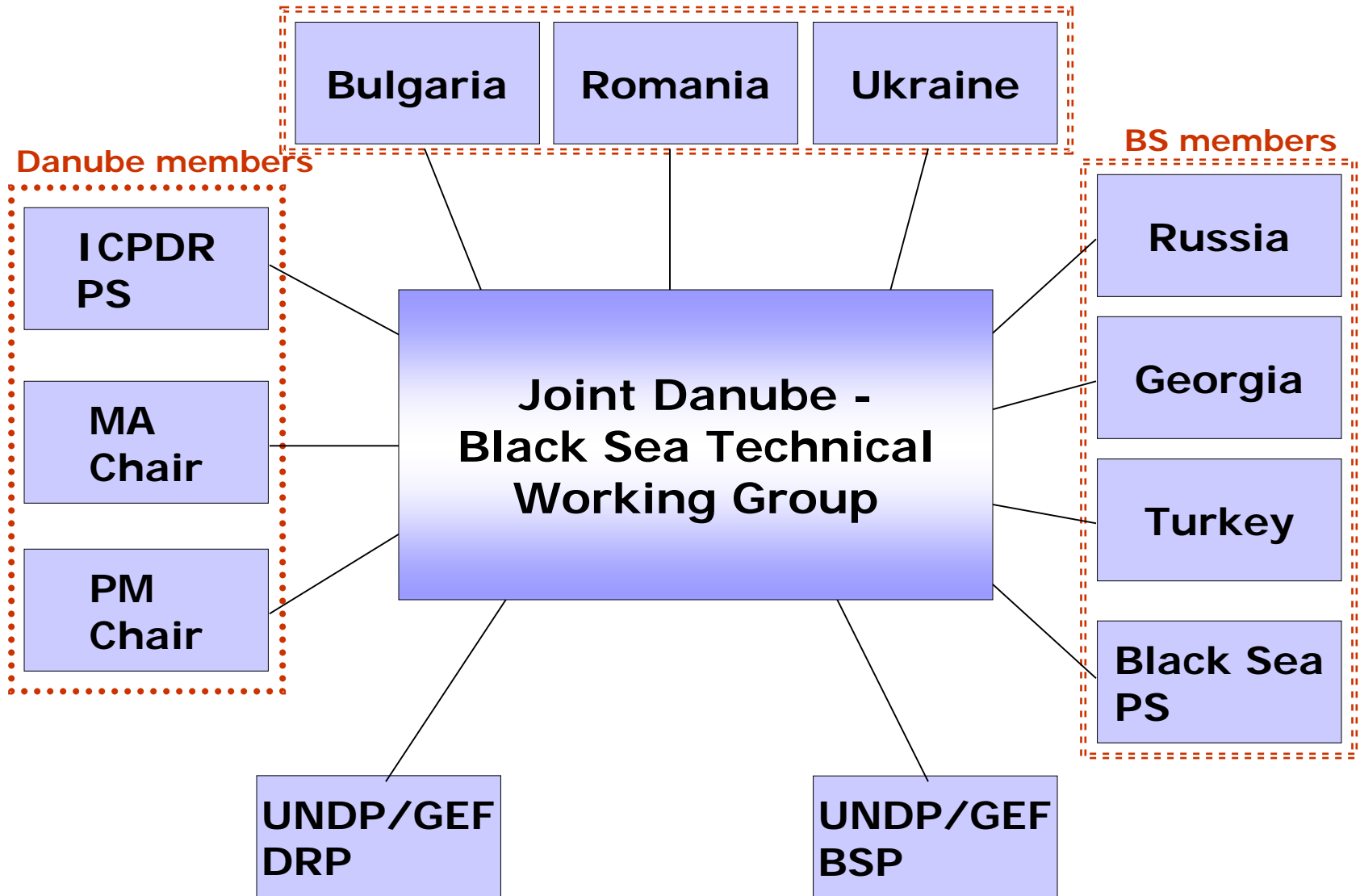


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Common Strategic Goals

- Long-term goal: to permit Black Sea ecosystems to recover to conditions observed in 1960s
- Intermediate goal: to avoid nutrients load exceeding those in the mid of 1990s
- Harmonization of standards to assure comparable assessment
- Assessment and reporting on ecological status and input loads
- Adoption of strategies for pollution reduction while assuring economic development in the region
- Analysis of results achieved by 2007 and review of measures to achieve the long term goal





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DBS JTWG Work Programme

- Assessment of existing monitoring systems (BSC area)
- Development of monitoring programme (BSC area)
- Development of ecological status indicators (BSC area)
- Assessment of pollution (causes) in the BSC area and of the ecological status of the Black Sea
- Develop methodological approach for the WFD, coastal waters
- Development of reporting formats in line with WFD cycle
- Recommendations to limit discharge of nutrients and hazardous substances
- Enhancing of information mechanisms



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New Challenge: Integrated River Basin & Coastal Area Management (1)

- The WFD stipulates the development of an integrated river basin management plan for the Danube river basin district.
- The ‘river basin district’ is the main unit for the management of river basins and means “the area of land and sea together with their associated groundwaters and coastal waters” (Art. 2 (15) WFD).
- ‘Coastal water’ are defined as “surface water on the landward side of a line, every point of which is at a distance of one nautical mile on the seaward side from the nearest point of the baseline from which the breadth of territorial waters measured” (Art. 2 (7) WFD).



New Challenge: Integrated River Basin & Coastal Area Management (2)

- The Danube river basin district will include the coastal waters of Romania along the full length of its coastline as well as the Ukrainian coastal waters extending along the hydrological boundaries of the Danube river basin. The coastal waters of Bulgaria have been assigned to another district.
- ICPDR and BSC are developing coordinating mechanisms for the implementation of the EU WFD in the coastal areas of the Danube river basin district (Black Sea Coastal Waters).



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ICPDR→BSC

- The DBS JTWG agreed the set of parameters for which the Danube loads will be reported by the ICPDR annually;
- All these parameters are included into Transnational Monitoring Network load assessment programme and published annually.



Thank you!



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