



**HELCOM Baltic Sea Action Plan
Stakeholder Conference 2010
Helsinki, Finland, 3 March 2010**

Ulla-Britta Fallenius

Swedish Project Manager, RusNIP

Swedish Environmental Protection Agency

RusNIP

A joint co-operation project between Russia and Sweden

Overall objectives

- To strengthen the capacity of Russian authorities to meet the requirements of the Baltic Sea Action Plan (BSAP) in the most effective way.
- To contribute mainly concerning eutrophication, to the implementation of BSAP and its goal to achieve good environmental status in the Baltic Sea by 2021,
- The project is divided in three phases, phase I: 2009-2010
phase II: 2010-2011, phase III: 2011-2015

Project objective phase I

- To have Proposals for the National Implementation Plan for the Russian part of BSAP elaborated with regard to the nutrient reduction requirements for point sources and to propose institutional conditions necessary for the implementation of the NIP”.

Implementation of the Baltic Sea Action Plan (BSAP) in the Russian Federation; eutrophication segment, point sources. Results from the RusNIP project.



Reduce emissions from waste water treatment plants

- Leningrad Oblast:
- Investigated 25 waste water treatment plants and St Petersburgs waste water treatment plants which recieves waste water from more than 10 000 pe:
- Most cost-effective to take measures downstream of Lake Ladoga and Lake Pepsi due to retention
- Measures taken, ongoing and planned
- Selected the priority plants

Sewage treatment plants within St Petersburg VODO_KANAL

Plants within St Petersburg							
VODO-KANAL		Without	Reduced	Operation	Without	Reduced	Operation
		measures	amount	and main-	measures	amount	and main-
		ton P / year	ton P/year	tain cost	ton N/year	ton N/year	tain cost
				rubel/kg P			rubel/kg N
<i>St Petersburg City</i>							
South West		555	507		2650	1686	
North		2445	2172	285	10950	7775	80
Kolpino		82	71	2094	368	264	563
Petrovrets		59	53	1485	285	200	197
Metallostroy		30	24	3279	237	152	518
Sertolovo		64	58	1527	307	214	412
		3235	2885		14797	10291	

Kaliningrad Oblast

	Without measures ton P / year	Reduced amount ton P/year	Operation and main- tain cost rubel/kg P	Without measures ton N/year	Reduced amount ton N/year	Operation and main- tain cost rubel/kg N
Kaliningrad city	219	197	1732	1916	1533	223
Zaostrovje (OKOS)	36,5	33	1782	175	140	430
Chernjahovsk	38	35	1782	184	145	430
Gvardejsk	14	13	1560	66	53	383
	308	278		2341	1871	

Current load and results of proposed measures, Gulf of Finland

	Nitrogen (tonnes/year)	Phosphorous (tonnes/year)
Obligation according to preliminary burden sharing	4 145	1 661
Average load 1997-2003 BSAP figures	78 792	5 302
Proposed measures industry downstream of Lake Ladoga *	135	17
Proposed measures (including ongoing measures) within priority municipal waste water treatment plants downstream of Lake Ladoga *	11 054	3 094
Remaining need for action **	+ 6 909	+ 1 433

Current load and results of proposed measures, Baltic Proper

	Nitrogen (tonnes/year)	Phosphorous (tonnes/year)
Obligation according to preliminary burden sharing	2 821	724
Average load 1997-2003 BSAP figures	10 594	1 266
Proposed measures industry *		30
Proposed measures municipal waste water treatment plants *	1 871	278
Remaining need for action ***	- 950	- 446

Remaining activities phase I, spring 2010

- ToR for pre-feasibility studies
- Training course concerning cost-effective analysis
- "Stakeholder meeting"; Baltic Sea Day may be also in Kaliningrad

Activities in future phases

- Elaborate tools for cost-effectiveness
- Monitoring and assessment together with BaltHazAR
- Pre-feasibility studies, depending on whether Russia is interested

in connection with that:

- 1) review legal, administrative and financial prerequisites and financing options
- 2) Implement pilot projects



Thank You