

A scenic photograph of the Vistula Lagoon. The foreground is dominated by tall, green reeds and grasses, with a cluster of yellow flowers in the lower center. The water is calm and reflects the sky. In the background, a dense line of green trees borders the lagoon under a cloudy sky.

RECOMMENDATIONS FOR THE VISTULA LAGOON



1

Set up of a COMMON POLISH/RUSSIAN MONITORING PROGRAM of the Vistula Lagoon, Baltiysk Strait and discharging rivers, as well as conduct frequent intercalibrations of measurements !!!

Including following parameters:

Meteorological,

Hydrological including measurements of velocities in the lagoon at several depths,

Water quality,

Biological



2

COMMON POLISH/RUSSIAN DATA BASE

Including parameters collected during monitoring program

3

USAGE OF OPERATIONAL MODEL, AS COMPLEMENT TO ACTUALLY MEASURED DATA

Both countries have access to HIROMB and HIRLAM operational models, therefore they are proposed to be used in case data from one country is not available to the other country.

4

SAME MODELLING TOOLS

Easier to compare, better information and experiences exchange

5

CLASSIFY AS TRANSITIONAL OR HEAVILY MODIFIED WATER BODY

Influenced by sea waters.

Impacted by human activity: modified from Vistula River delta to lagoon.

Nearly totally cut off from Vistula River



6

**ESTABLISH REFERENCE CONDITIONS WITH USE
OF NUMERICAL MODELS**

**Hind cast assuming „clean” rivers, sea, sediment,
atmosphere**

7

**ASSESSMENT OF ECOLOGICAL STATUS BASING
ON ESTABLISHED CLASSIFICATION SPECIFIC
FOR THIS TYPE OF LAGOON**

Expert judgement for defining the classification