

 *Coalition Clean Baltic*
For protection of the Baltic Sea environment

**Do not «fertilize»
the Baltic Sea!**

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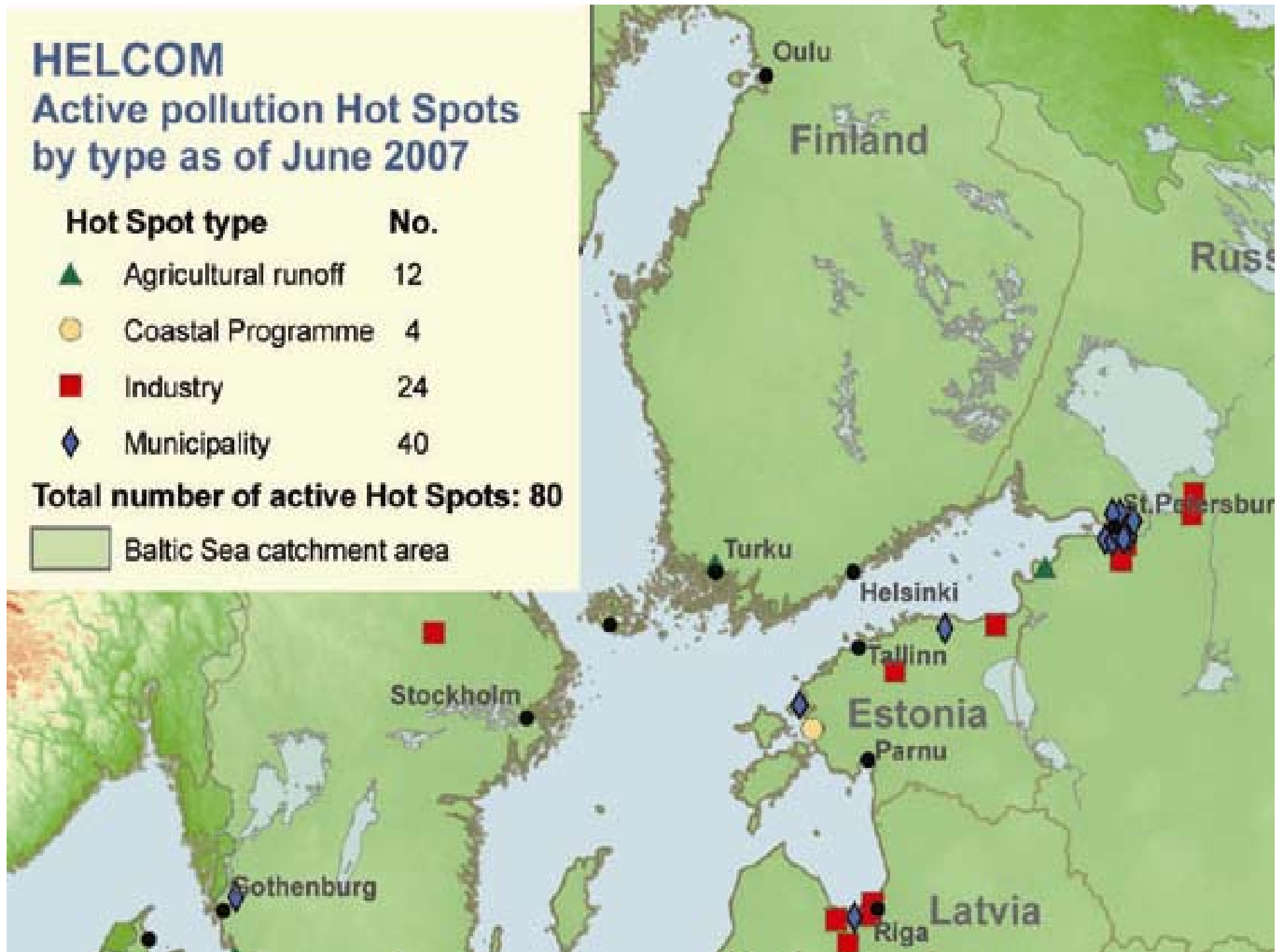
HELCOM

Active pollution Hot Spots by type as of June 2007

Hot Spot type	No.
▲ Agricultural runoff	12
● Coastal Programme	4
■ Industry	24
◆ Municipality	40

Total number of active Hot Spots: 80

■ Baltic Sea catchment area





Sources of nutrients

- **Untreated wastewater of cities/towns** on the rivers and sea coast.
- Wastewater to the surface waters running to the rivers and Sea - from **small settlements, individual houses** (dachas, gardening communities).
- **Farm waste.**
- **Fertilizes** from the agricultural lands.

Waste water from the coastal towns

Example:

Lomonosov town

40 000 population

The tube with the
sewage goes directly into
the Gulf of Finland

**yearly 160 t N, 35 ton P
+ tens towns in Leningrad
and Kaliningrad region**

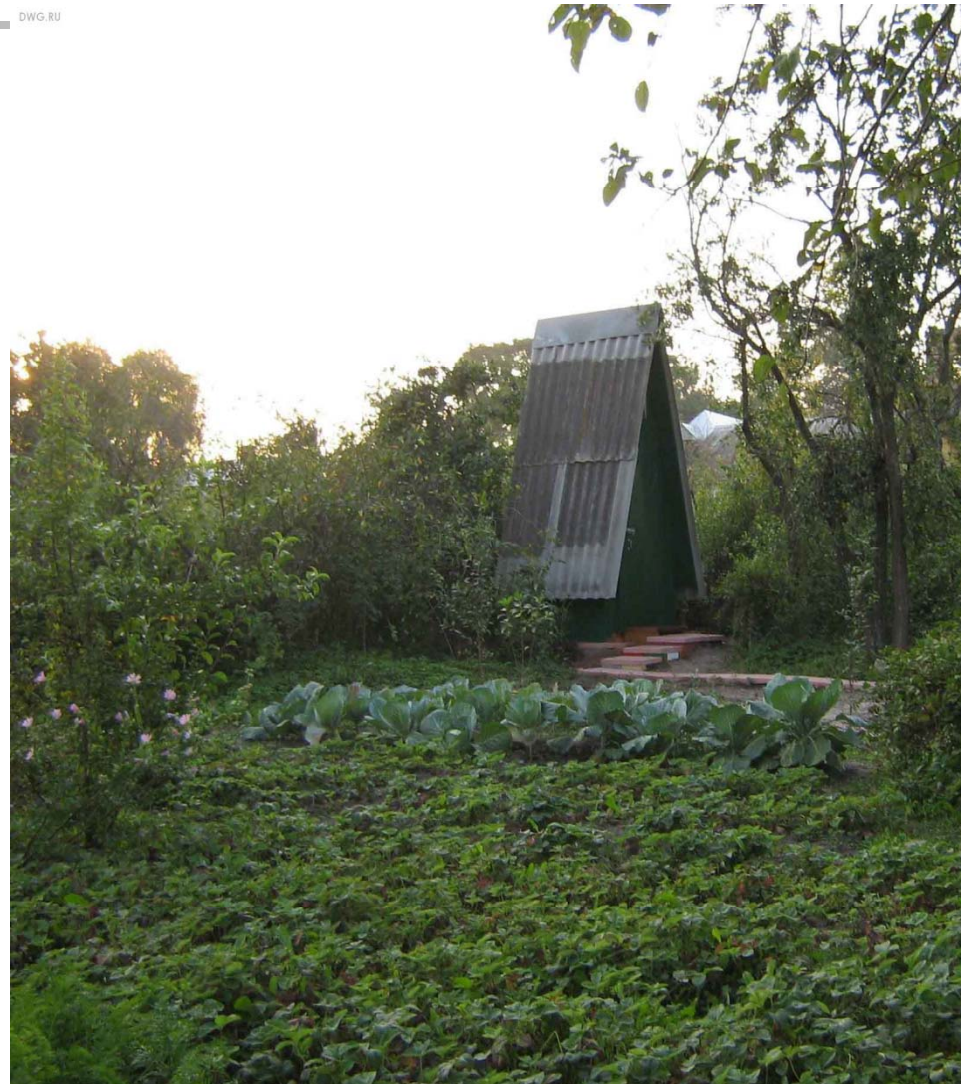


Wastewater from the dachas and gardening communities

**Leningrad oblast
200 gardening
communities**

- **About 1 mln people**
- **30 days per year**
- **Pit latrine**

**1000 ton N, 250 t P
annually**



Eco-toilet



Wastewater from the farm waste

Per year:

1,2 – 4 mln ton waste

14000 ton N

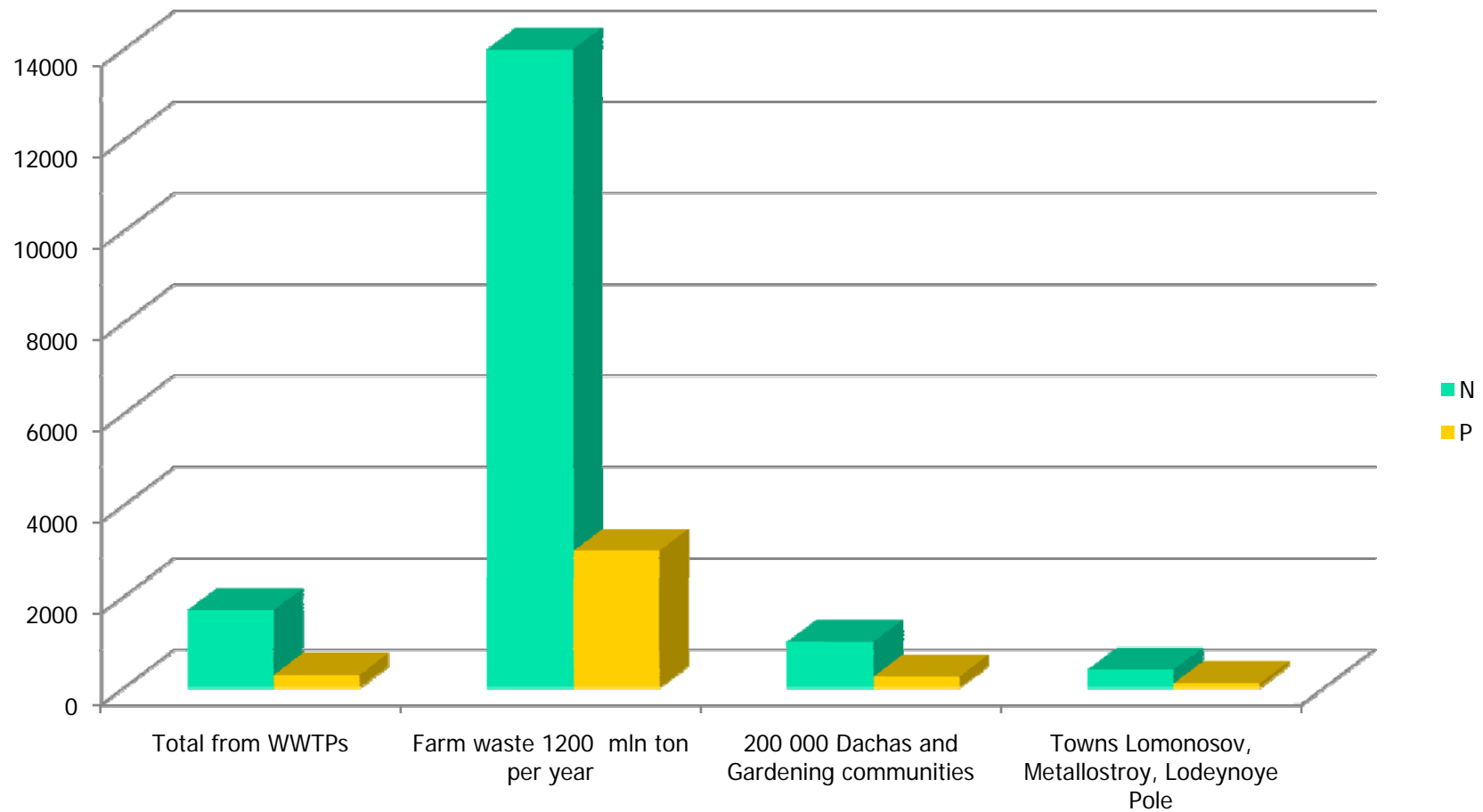
3000 ton P

Extremely bad
conditions of storages
often near the rivers



Nutrient load

Leningrad oblast



Do not “fertilize” the Baltic Sea



N & P to the soil – grow of plants.

N& P to the Sea – promotes of grow and rotting algae and other marine plants, extra-consumption of oxygen, grows of blue-green algae, worsen conditions for marine inhabitants, destruction of recreational/swimming/fishing areas.

SOLUTIONS – to be included to the Russian Action Plan

Waste water treatment facility for EVERY COASTAL TOWN – without exclusions.

Local waste water treatment solutions for small scale communities and individual houses – dry toilets with composting.

Safe utilization and recycling farm waste – producing biogas.

Limitation of mineral fertilizers to the agricultural lands (N - 60 kg/ha), promotion of organic agriculture.

Limitation of phosphates in the detergents (0,2-0,5%) .

Promotion of Green Consumerism – consumer demand to phosphates-free detergents, organic products,

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Save the Baltic Sea together!
Thank you!