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SuMaNu



HELCOM Workshop on nutrient recycling measures

5-6 February 2020, Helsinki, Finland

The HELCOM workshop on nutrient recycling measures is organized by the Ministry of Environment and Ministry of Agriculture and Forestry of Finland, HELCOM, European Union Strategy for the Baltic Sea Region Policy Area Nutri and Bioeconomy as well as SuMaNu and BSR Water project platforms.

The workshop is aimed at representatives of authorities and research organizations of the Baltic Sea countries, representatives of the European Union, and HELCOM Observers.

Background

HELCOM Ministerial Meeting 2018 committed to elaborating by 2020 a Baltic Sea Regional Nutrient Recycling Strategy that aims for reduced nutrient inputs to and eutrophication of the Baltic Sea. MD2018 agreed that the strategy is to be established with a step-by-step approach and propose a common vision and objectives for nutrient recycling. The Ministerial Meeting further decided to develop, as a follow-up to the Strategy, possible nutrient recycling measures to be included in the updated Baltic Sea Action Plan beyond 2021.

The HELCOM Group on Sustainable Agricultural Practices (Agri group) is leading the work in cooperation with the HELCOM Working Group on Reduction of Pressures from the Baltic Sea Catchment Area (Pressure Working Group). Finland is the lead country for the work and developing the Baltic Sea Regional Nutrient Recycling Strategy is one of the priorities of the HELCOM chairmanship of Finland 2018 - 2020.

The HELCOM Workshop on regional nutrient recycling strategy was organized by the Ministry of Agriculture and Rural Development of Poland and HELCOM in cooperation with the European Union Strategy for the Baltic Sea Region Policy Area Nutri on 7 November 2018 in Warsaw, Poland. The workshop discussed a draft vision and suggested possible objectives for the strategy. The draft objectives were further worked on by the nutrient recycling drafting group and the Agri and Pressure groups (AGRI 7-2019 and PRESSURE 10-2019). The HELCOM Heads of Delegation endorsed the vision and objectives of the strategy in HOD 56-2019 meeting. The vision and objectives of the strategy are included as an annex to the provisional programme.

Aim

The aim of the workshop is to outline possible measures that could increase recycling of nutrients in the Baltic Sea Region, achieve the agreed objectives of the strategy and be included in the updated Baltic Sea Action Plan. The workshop will deal with measures related to both agriculture and waste water sector, and their synergies. After the workshop, the work on measures will continue in the HELCOM Agri and Pressure groups.



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Provisional programme

5 February 2020

Venue: Radisson Blu Royal Hotel (Runeberginkatu 2, Helsinki)

Chair: Sari Luostarinen, Chair of HELCOM Agri group

Time	Activity
12:00-13:30	<p>Welcome by Finland</p> <p>The vision and objectives of the Baltic Sea Regional Nutrient Recycling Strategy <i>Marja-Liisa Tapio-Biström, Ministry of Agriculture and Forestry of Finland</i></p> <p>Nutrient flows in the Baltic Sea region <i>Ludwig Hermann and Julia Tanzer, Proman Consulting</i></p> <p>Measures for efficient use of nutrients and cost-effective nutrient recycling in agriculture <i>Minna Sarvi, SuMaNu project platform</i></p> <p>Measures for efficient use of nutrients and cost-effective nutrient recycling in waste water sector <i>Taavo Tenno, BSR Water project platform</i></p>
13:30 – 14:00	Coffee break
14:00 – 17:00	<p>Group work, part I</p> <p>Facilitated discussion with the aim to propose at least one measure/action for each objective</p>
18:00 -	Joint dinner

6 February 2020

Venue: Radisson Blu Royal Hotel (Runeberginkatu 2, Helsinki)

9:00 – 10:30	<p>Recap of the first day</p> <p>Group work, part II</p>
10:30 – 11:00	Coffee break
11:00 - 12:30	Joint discussion of group work outcomes aimed at discussing each objective
12:30 - 13:00	Conclusions



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Vision and objectives of the Baltic Sea Regional Nutrient Recycling Strategy

VISION

Nutrients are managed sustainably in all HELCOM countries, securing the productivity of agriculture and minimizing nutrient loss to the Baltic Sea environment through efficient use of nutrients and cost-effective nutrient recycling.

OBJECTIVES

Objectives and sub-objectives
<p><i>Baltic Sea region as a model area for nutrient recycling</i></p> <ul style="list-style-type: none"> - Increasing nutrient use efficiency - Increasing the circulation of the available nutrient resources and reducing nutrient inflows to the region - Utilizing nutrient rich organic residues originating from areas with high nutrient surplus for production of fertilizer products
<p><i>Reducing environmental impacts</i></p> <ul style="list-style-type: none"> - Reducing nutrient losses to the Baltic Sea area and closing nutrient cycles - Reducing greenhouse gas emissions - Reducing ammonia emissions - Utilizing appropriate solutions to recycle nutrients for the specific conditions preventing contamination of the environment - Improving soil quality and enhancing carbon sequestration by using organic fertilizers - Promoting/advancing site specific optimized fertilization plans
<p><i>Safe nutrient recycling</i></p> <ul style="list-style-type: none"> - Minimizing the risks for humans and environment posed by contamination
<p><i>Knowledge exchange and awareness raising</i></p> <ul style="list-style-type: none"> - Promoting new research and technological development - Increasing research and knowledge sharing on risks and safe practices - Facilitating knowledge transfer and information exchange on nutrient recycling - Cooperating with other regions and global organizations to exchange information on the most up-to-date knowledge and techniques - Raising awareness of the benefits of nutrient recycling - Promoting holistic view of food production
<p><i>Creating business opportunities</i></p> <ul style="list-style-type: none"> - Encouraging new business models with cross-sectoral cooperation - Improving the economic viability of nutrient recycling
<p><i>Improving policy coherence</i></p> <ul style="list-style-type: none"> - Increasing cooperation of governmental agencies to improve policy coherence - Updating legal framework to facilitate nutrient recycling