

Project "InPhos – Sustainable Management of Phosphorus in Baltic countries"

# Background of the project

Phosphate rock is included on list of critical raw materials (CRMs) for EU (COM no. 490, 2017). Phosphorus (P) is an essential element for human nutrition, yet limited resource, which cannot be replaced by any other element. As Europe has no significant P mines, it is highly dependent on the import of P ore. In last years, European countries have already taken actions in order to achieve P security on continent. In Switzerland and Germany, a regulatory framework relating to the recovery of phosphorus has been introduced. It can be expected that in other countries, such regulatory framework will be introduced in the near future. Due to fact that in Baltic supply chains, P current usage involves waste and losses at every stage of its lifecycle, one of the most interested area with has a significant problems associated with improper management of P is the Baltic region.

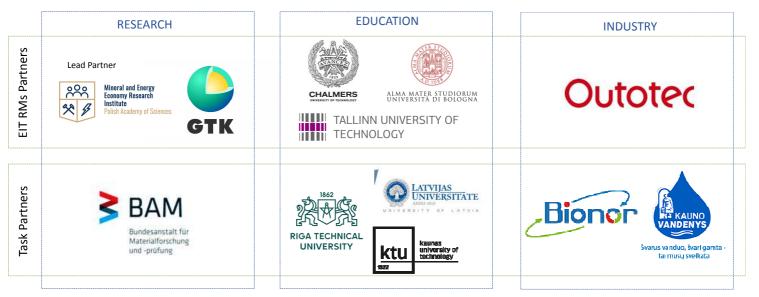
# **Objectives of the project**

The main goal of the project is to DEVELOP A PHOSPHORUS STRATEGY FOR THE BALTIC REGION, laying out a solid foundation and developing long-term solutions for the sustainable management of this critical raw material.

Strategic InPhos objectives consist of the following:

- 1) identification of best management practices of sustainable phosphorus usage existing in developed countries,
- 2) identification of the recovery potential for phosphorus in the Baltic region,
- 3) transfer of knowledge and design of solutions for the sustainable use of phosphorus in the Baltic region,
- 4) promotion of the closing of the phosphorus cycle in the Baltic region,
- 5) building of a 'phosphorus responsible society',
- 6) educational development- improvement of the skill basis of the knowledge triangle in the Baltic region.

# InPhos Consortium – integration of Knowledge Triangle in the Baltic region



## Outcomes of the project

The outlined objectives will be achieved by setting up a working group of experts, coming both from developed countries and the Baltic region, who will conduct and supervise a LONG-TERM COLLABORATIVE PROGRAM ON THE IMPLEMENTATION OF SUSTAINABLE PHOSPHORUS MANAGEMENT SOLUTIONS IN THE BALTIC REGION.

Contact	
Project Leader: Dr Marzena Smol Smol@meeri.pl, info@inphos.info	Recently and Energy Economy Bestarch Initiate Pitch Academy of Sciences
Project Officer: Krzysztof Kubacki krzysztof.kubacki@eitrawmaterials.eu	Cett RewMatchials
InPhos project no. 17022 (2018-2019), that is financed by the EIT Raw Materials	

#### WP 5. Promotion of sustainable Phosph WP 2 of knowledge nd table disse Events Critical Raw Idea Camp sustainable norus the Baltio Educationa Semminars developmen Collaboration & Team Building Workshop II Collaboration with Open on-line team working Activities stakeholders disscusion Workshop I Workshop III Data eych Comeptition Collaboration & Data acquisition Data exchange Web page

### InPhos action plan

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