

To:

Prof. Tone Muthanna

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Letter of support for the project OASY

The Environment and Health Administration at the City of Stockholm, will be supporting the OASY (Innovative and systemic Approaches to environmental and policy analysis and solutions for persistent and mobile contaminants) project to be submitted under the Horizon 2020 call LC-GD-8-1-2020 (Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals), which is being coordinated by NTNU.

The work proposed done by OASY aims to approach from a holistic point of view the fate of persistent and mobile pollutants (PMCs) in the water cycle and model their effects and pathways. Further OASY will develop a holistic framework for implementation of treatment options for PMC chemicals associated with the different source waters and products in the natural and urban water cycle – including risk assessment, treatment, and management. OASY will:

- Provide an overview of the models currently used in regulatory risk assessment and identify opportunities for improvement.
- Enhance our knowledge of the pathways of PMCs through natural and anthropogenic system. Transformation processes, temporary or permanent sinks and remobilization conditions.
- Build new online monitoring options for PAHs and PFAS.
- Build new treatment technology and optimize the current state of the art for PMC treatment options.

Miljöförvaltningen

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- Make treatment technology with ambition to generate useful secondary by-products and zero hazardous waste.
- The project will contribute to a toxic free resource recovery from wastewater resources based on identifying the best practice (location and type) for treatment intervention.
- The project will make digital tools to further our knowledge and understanding especially towards management and control using digital twins, and large-scale data analytics.
- Make an open access, user-friendly database of best practice with respect to sustainability (UNSDG 6, 9, 11, 14, and 15), LCA, etc. for treatment technology for each characteristics water (clusters of characteristics)

As institution responsible for supervising the compliance of the legislation related to environmental protection, we believe in the relevance of this project proposal, and we would be interested in collaborate and interact with OASY when appropriate.

For The Environment and Health Administration

Your sincerely



Anna Hadenius
Director, Environment and Health Administration

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