Proposals for NORMAN Joint Programme of Activities 2024

Title	AI for environmental monitoring and assessment of chemicals and their mixtures
Type of activity	Workshop
Leader	UBA, UFZ, EAWAG for NORMAN SC
Topic / activities	The transformative potential of Artificial Intelligence (AI) contributes to the achievement of the goals of a green transition in Europe. One example is non-target screening (NTS) and e.g. the characterisation of chemical mixtures in samples from the environment, the derivation of quantitative exposure data, the harmonisation of HRMS data, and the modelling of environmental effects. ***Description of the proposed activity and expected outcomes for 2024:*** In the 1.5-day workshop we intend to – gather perspectives and needs on AI-based methods in environmental monitoring from different stakeholders from policy, authorities, industry and research, – present AI-based use cases in chemical monitoring and assessment from NORMAN partners, – discuss the harmonisation of QA/QC metrics to benchmark and evaluate AI-based methods, – organise thematic group discussions on AI in environmental monitoring and assessment, – initiate an AI strategy for the NORMAN network. ***Added value / Link with other NORMAN activities and / or other projects*** – AI strategy for NORMAN, – NORMAN can become a frontrunner for EU activities in the field of AI-based environmental chemistry and toxicology, – due to the broad application of AI-based methods, there are links to all NORMAN working groups and the NORMAN database system.
Participants	NORMAN partners, EU COM, Member States, Industry
Proposed in-kind contribution	October 2024
Contribution needed from NORMAN Association[1]	Catering, 5 T€

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[1] Please, provide here a transparent justification of the requested resources and of the in-kind contribution, thereby distinguishing between the costs associated with "person-months" for the organisation, the "travelling costs" for invited speakers and the costs for the logistics (e.g. meals, room rental etc.)