



## Press Release

14 June 2021

### SCIPPER Stakeholders Workshop

On the 8<sup>th</sup> of June 2021, the SCIPPER project held the online Stakeholder Workshop on Monitoring Maritime Emission Compliance. Participants from port authorities, ship owners, technology providers, international and European institutions and organisations, national authorities and research institutions attended the workshop.

The purpose of the workshop was twofold; to disseminate up-to-now project activities and to collect input from stakeholders on maritime emission monitoring and compliance based on their experiences, current activities, and future developments.

Prof. Leonidas Ntziachristos from Aristotle University of Thessaloniki and Coordinator of SCIPPER project presented the project's objectives and concept and the latest developments on SCIPPER measurement campaigns.

Prof. Johan Mellqvist from Chalmers University of Technology presented the results of the first SCIPPER measurement campaign in the port of Marseille (France) that took place on September of 2020. The results focused on the comparison of the different remote measurement instrumentation, i.e., a mini-sniffer operated on drone and a shipborne medium sniffer.

Dr. Jörg Beecken, Researcher at the German Federal Maritime and Hydrographic Agency presented the results of the second SCIPPER measurement campaign in Wedel (Germany) that took place between 7 September and 15 October 2020. Emissions of SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub> and particulate matter from several passing ships were monitored using land-based sites as well as Unmanned Aerial Vehicles (UAV). In parallel, 60 fuel samples were taken on-board of 34 selected vessels in order to retrieve Fuel Sulphur Content.

Dr. Tim Smyth, Head of Science at Marine Biogeochemistry and Observations at Plymouth Marine Laboratory discussed about cost effective technologies for real-time ship to shore emission data reporting and presented the different sensors to be tested in SCIPPER measurement campaigns.

Roger Strevens, Head of Sustainability at Wallenius Wilhelmsen discussed about the enforcement of emissions compliance from the shipowner perspective. He also stressed out the importance of compliance for a shipping company and the challenges for good data, jurisdictional rights, penalties, and enforcement measures.

Leo Buckers, Coordinator-Senior Inspector at Human Environment and Transport Inspectorate of Dutch Ministry of Infrastructure and Water Management, discussed about the handling of the sulphur noncompliance, the necessity of instruments and methodology to check that the actual ship emissions are in accordance with those at the time of certificating of the engine (for enforcing NOX/Tier) and the deployment of on-board measurement instruments.

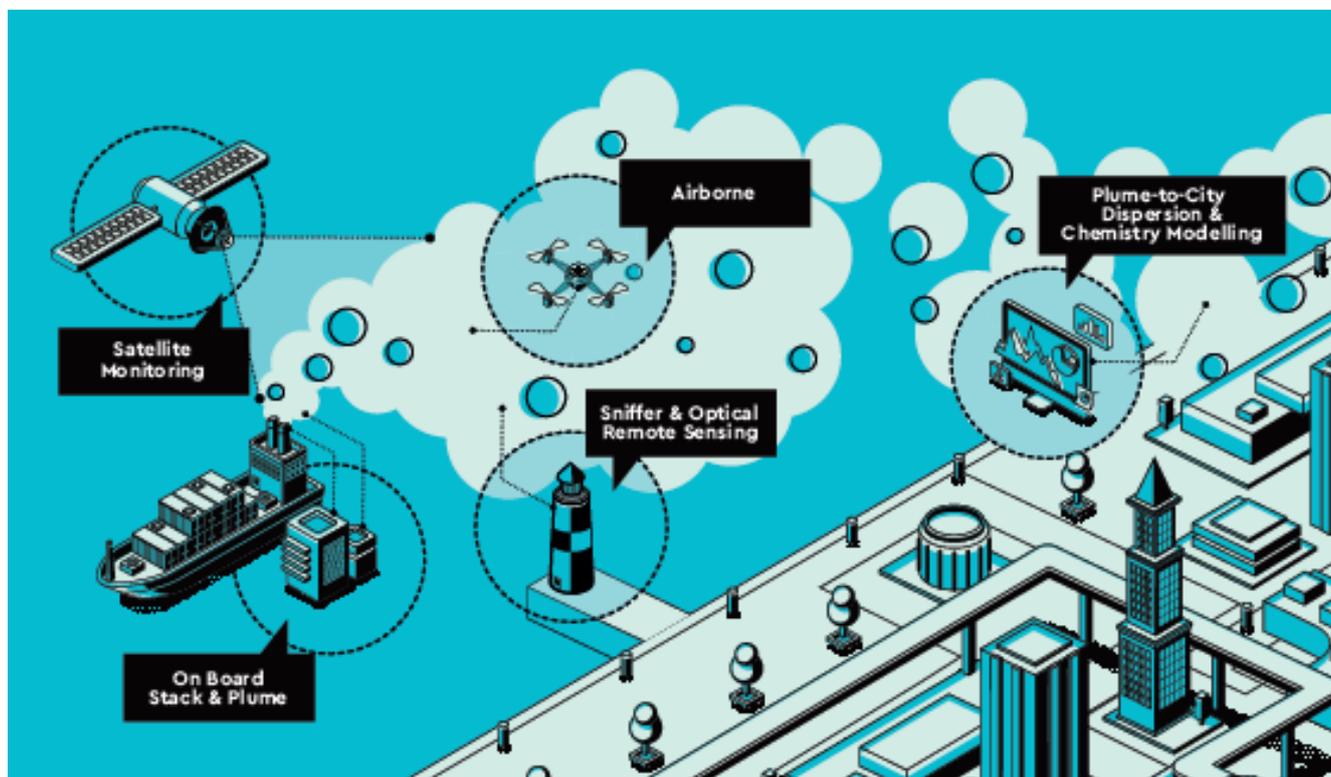
Dr. Olaf Trieschmann, Senior Project Officer at European Maritime Safety Agency presented the present status and further development of EMSA Remotely Piloted Aircraft Systems (RPAS) services and discussed the necessary developments that EMSA sees to further improve remote compliance monitoring.

This workshop is part of a series of SCIPPER Stakeholder Workshops that aim to exchange knowledge on technical approaches and research findings to further feed regulatory developments on maritime emissions.

The presentations can be found at <https://www.scipper-project.eu/library>

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*The concept of SCIPPER project*

