



## Addressing Climate Change Challenges with Sediment Management

### Joint SedNet-Navigating a Changing Climate Workshop\*

\* Planned to be 2 days in Rome, Italy, 10-11 February 2021 but possibly an online event depending on how the COVID-19 situation evolves

### Announcement and request for presentations

Navigating a Changing Climate is a PIANC-led Global Climate Action initiative under the UNFCCC 'non-state actor' process, set up to promote the sharing of knowledge on how ports and waterborne transport infrastructure can reduce emissions and adapt to climate change (find out more at <https://navclimate.pianc.org/>). SedNet is the European network aimed at incorporating sediment issues and knowledge into European strategies to support the achievement of a good environmental status and to develop new tools for sediment management (see <https://sednet.org/>).

Navigating a Changing Climate and SedNet are collaborating to run a workshop exploring areas of common interest. The workshop, entitled "Addressing climate change challenges with sediment management", is planned to comprise two consecutive half-day sessions. Its aim is to facilitate knowledge exchange, disseminate good practice, highlight opportunities, and identify gaps in understanding or research needs in relation to the following topics, with an emphasis on ports, waterways, dredging and associated infrastructure/activities:

1. Role of sediment management in **carbon sequestration and storage**: opportunities to contribute to a net reduction in GHG emissions
2. Sediments and climate change adaptation: seeking flexible and **adaptive solutions** to strengthen **resilience** and adapt port and navigation infrastructure and operations
3. **Habitat enhancement** and creation, Working with Nature and other **nature-based solutions**: using nature to strengthen the natural resilience of ports and waterways including sediment use (e.g. sand-engine and dunes) for protection against flooding
4. Sediment management, **circular economy** and the **waste hierarchy**: reduce (e.g. reduce the need for extraction of virgin aggregate); reuse (e.g. shift perceptions of sediment from a waste to a resource); recycle (e.g. optimising sediment placement)
5. **Emerging issues and opportunities**: enabling contributors to the workshop to offer presentations on other sediment management and climate change-related topics, such as how to prevent climate change-induced flooding eroding and remobilising historically contaminated sediments and soils from upstream river banks and transporting them downstream; or how changed environmental conditions may affect sediment quality guidelines.

Those interested in making a presentation at this workshop are encouraged to use the provided template to prepare a one-page overview (abstract).

The completed [template](#) which should be received by **31 October 2020**, should be submitted as a Word document attached to an email to the SedNet Secretariat ([Marjan.Euser@deltares.nl](mailto:Marjan.Euser@deltares.nl)) and copied to [navclimate@pianc.org](mailto:navclimate@pianc.org). The email title line should be clearly marked with the main author's surname and 'NavClimate-SedNet workshop presentation offer'.