

SedNet



Mission:

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.

Identity:

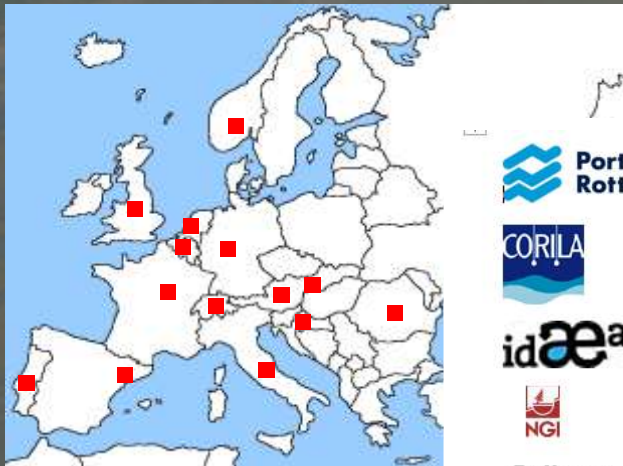
- Network of sediment professionals (since 2002)
- Independent platform to expert advice
- Positioned between science and stakeholders
- Window on sediment issues to EC DG Environment

Focus:

- Sediment quality AND quantity issues
- River basin scale
- Including marine / estuarine sediments in a ICZM context

More info: www.sednet.org

SedNet Steer Group (SG) – new members welcome



Port of Rotterdam Authority
Marc Eisma (*Chairman SedNet Steering Group*)



CORILA
Andrea Barbanti



IDAEA-CSIC
Damià Barceló



Norwegian Geotechnical Institute (NGI)
Gijs Breedveld



Deltares
Jos Brils and Katherine Cronin



Hamburg Port Authority
Henrich Röper



Federal Institute of Hydrology (BfG)
Vera Breitung



Hamburg University of Applied Sciences
Susanne Heise



Port Authority Antwerp
Agnes Heylen and Eric de Deckere



International Commission for the Protection of the Danube River (ICPDR)
Igor Liska



BRGM
Bruno Lemière and Philippe Negrel



ISPRA, Italian National Institute for Environmental Protection and Research
Antonella Ausili and Elena Romano



CSIC – Institute of Construction Sciences
Eduardo Tenreiro (ICTECSIC)
Marta Castellote Armero



Dutch Ministry of Infrastructure and Water Management
Pieter de Boer and Edwin van der Wel



Ecotox Centre
Carmen Casado and Benoît Ferrari



University of Lisbon
Cristina Lira



Flemish Government, Dept. Mobility and Public Works
Edward Van Keer and Jürgen Suffis



OVAM, Public Waste Agency of Flanders
Goedele Vanacker



University of Natural Resources and Applied Life Sciences, Vienna (BOKU)
Helmut Habersack and Marlene Haimann



Rothamsted Research – North Wyke
Adrian Collins



GeoEcoMar
Adrian Stanica



Ruder Bošković Institute
Jasmina Obhodaš



ELSA – Remediation of contaminated Elbe sediments
Ilka Carls

Circular economy of sediments

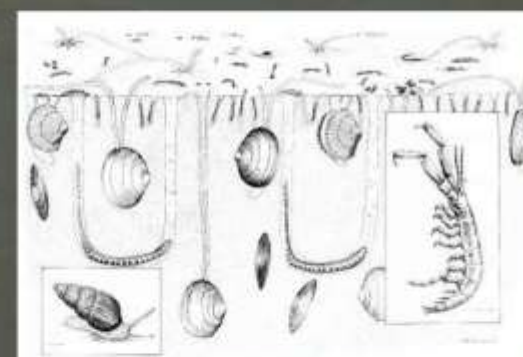
The workgroup started on 3 april 2019 in Dubrovnic:

- Dredged sediments are one of the biggest potential waste flows, according to regulations
- Dredged sediments are mostly disposed of, at sea or on land
- Sediments are part of our potential mineral resources (but also of our environment)

=> Sediments are eligible to circular economy thinking

Nothing new, SedNet thoughts in 2004 ...

Too much sediment	Too little sediment	Sediment as resource
Obstruction of channels Rivers fill and flood Reefs get smothered Turbidity	Beaches erode Riverbanks erode Wetlands are lost River profile degradation	Construction material Sand for beaches Wetland nourishment Soil enrichment Habitat and food for life



Sediment = **“no waste”** =
essential & integral element of river systems

SedNet CE WG topics at the start in 2018:

1. Reuse pathways, which, where and how far?
2. Demonstration, Good practice and securing confidence for decision makers
3. Markets, SME's and jobs benefits of sediment reuse
4. The Causal loops approach and sediment reuse
5. Regulations, barrier or incentive for circular approaches?
6. Sediment agglomeration vs aggregate -sustainability?
7. Land use benefits of sediment reuse

... Topics emerging from WG discussions

Circular economy of sediments

Activities so far (<https://sednet.org/working-groups/sediments-in-circular-economy>)

- 2018.11.06 Hamburg
 - Topics for the workgroup
- 2019.04.02 Sednet conference Dubrovnik
 - Further scoping for the topics in this workgroup
- 2019.10.23 Bremen / Delfzijl
 - Work on white paper
 - Field visits ripening of (contaminated) sediment
- 2020.04.15 Teams (Glasgow)
 - Use of hydraulic binders
 - PFAS in sediment (including legislation)
- 2020.10.08 Teams (Rotterdam)
 - Continuation of white paper
 - Sediments (contaminated) behind dams and river restoration, mass stabilization
 - CE projects undertaken in INTERREG project SURICATES
- 2021.07.02 Sednet conference Lille

Circular economy of sediments

Milestones achieved:

- Field visits Germany/Holland (and presentations from sites in Scotland, Ireland, Italy, USA and France)
- CE sessions at the Sednet conferences in Dubrovnic and Lille
- Letter of intent with CE partners on Green Deal Airports and Ports (but no lead partner for submission)
- Draft white paper, impacting both PIANC and CEDA
- Platform for EU project dissemination (like SIMONA)