The SURICATES project is a research initiative funded by the European Union regional funds (INTERREG NWE), aimed at increasing the reuse of dredged sediments. It addresses:

- European policy on Circular Economy
- EU Waste strategy
- Sustainable water transport

Dredged sediments are one of the biggest potential waste flows, according to regulations. Dredged sediments over 200 Mm$^3$/y (80 Mt dry weight)

Current practice: relocation at sea (marine sediments), on land disposal (inland waterways)

Sediments are part of our potential mineral resources for civil engineering (but also of our environment).

Sediments are eligible to circular economy thinking (SedNet, 2019)

Issues
- Coastal erosion—Sand Engine
- Flood dykes
- Lift up Lowlands

Which opportunities for valorisation?
- Minerals for civil engineering—Reducing sand or clay extraction
- Climate change, erosion and flood risk increase require greater mitigation measures (strengthening or regeneration of harbour/river banks, beach nourishment), consuming high volumes of natural resources.

Potential opportunities: coastal protection, erosion prevention, flood mitigation.

Future projects (Ireland, France)
- Identifying opportunities for flood or coastal defences from sediments relocation
- Potential projects: Irish coastline, French coastline, restoration and development.

The toolbox
- Regional inventories of available sediments and of needs for climate change-related civil works.
- Economic modelling
- Societal approaches
- Environmental monitoring
- Civil engineering testing and validation
- Risk analysis

Expected outcome
- Development of a reuse sector (industries, services, SMEs).
- Drive up sediment reuse in NW Europe by 1.3 Mt/y after 5 years, and by 2.3 Mt/y after 10 years.