

Preventing land subsidence: **USING SEDIMENT AS A RESOURCE**

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SedNet Genoa

USAR - Using Sediment As a Resource

Using Sediment As a Resource

Regional Water Authority Schieland and Krimpenerwaard



Bron: Unie van Waterschappen

www.waterschap.nl



Using Sediment As a Resource

Waste

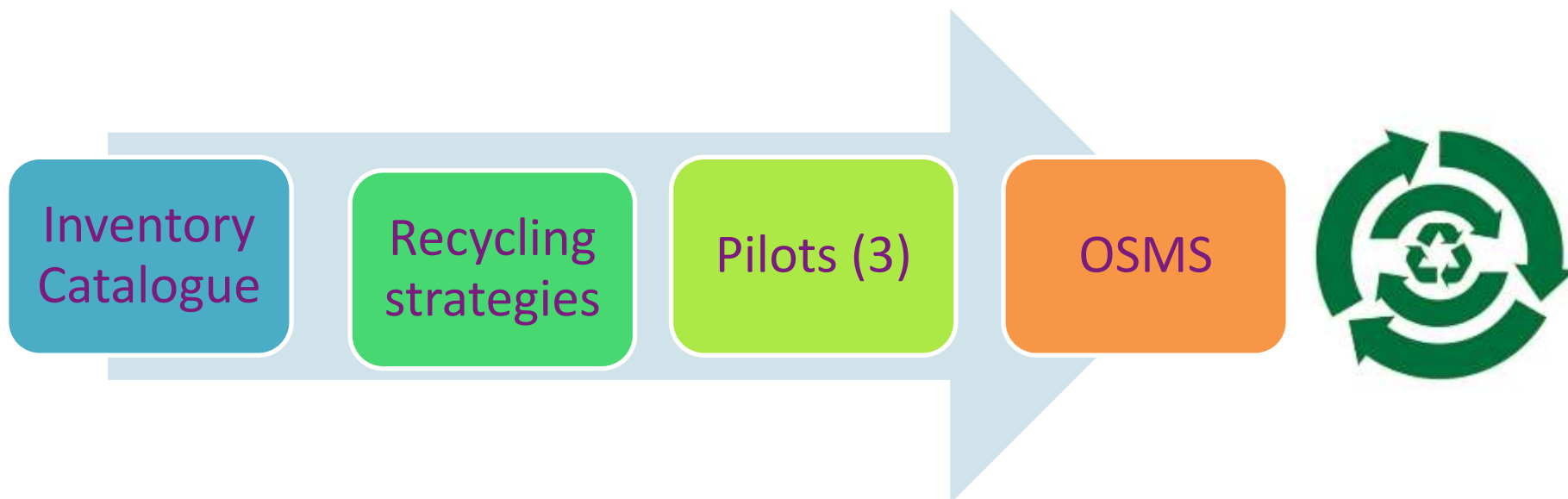
or Resource?



Using Sediment As A Resource

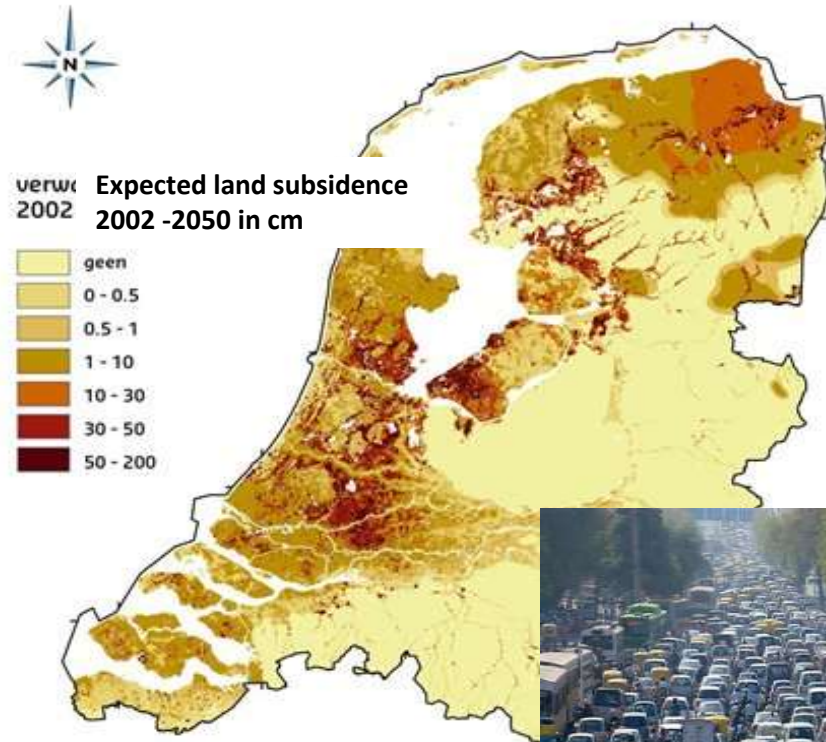
Using Sediment As a Resource

USAR-project



Using Sediment As a Resource

Land subsidence + GHG Emissions



Deepest point in Europe
– 6,74 meter below sealevel

1.700.000 cars



Using Sediment As a Resource

Regional Waste products

Sediment:

- 150.000 m³ / year
- € 18 / m³
- 90% spreadable

Manure:

- 50 million Kg / year (NL)
- € 14 - € 18 / Kg

Green waste:

- € 19 - € 23 / 1.000 Kg



Using Sediment As a Resource

Pilot TopSurf

5 x 5
ha.

25.000
m³
Sediment

25.000
m³
Manure

Green
waste

Different
layers

Other
nutrients



Using Sediment As a Resource

Planned Effects

- Stop land subsidence
- Decrease GHG emission
- Start circular economy



Using Sediment As a Resource

Thank you for your attention!

More info?

Meet us at SedNet!



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www.hhs.nl/USAR

