Morphological management
Case study “Middengebied”
Western Scheldt
ir. Stefaan Ides
Historical evolution: 1931-1955

Source: RIKZ
Historical evolution: 1931-1985

Source: RIKZ
Historical evolution: 1931 - 2000

Source: RIKZ
Channel cross section & discharge

Area channel under LW

- M1 Overloop van Hansweert
- M2 Middelgat
- M Totaal (1+2)

Middelgat (ebb channel)

Overloop van Hansweert (flood channel)

Discharge through channel

Source: V&T research

Source: RIKZ
Analysis current situation
Potential scenario morphological management

MORPHOLOGICAL DREDGING
MORPHOLOGICAL DISPOSAL/NATURAL SEDIMENTATION
RIPRAP SLIKKE AND SCHORRE PROTECTION
ADAPTATION OF HARD BORDERING
Numerical exploration

Maximum ebb current (m/s):