the erosion of a neolithic enclosure site
ottenburg, belgium
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Project aims
- evaluation & management

Case study
- Neolithic enclosure sites
Introduction
- Loess belt
- Enclosures
- Erosion?

DEM
Historical erosion
Current erosion
Management
Ferraris 1777
*Carte-de-Cabinet* of the Austrian Netherlands
Introduction

DEM

Historical erosion

Current erosion

Management
Method

DEM
- Construction based on Lidar data
- Visual inspection

Historical erosion: augering

Present-day erosion: modelling
Introduction

DEM

Historical erosion

Current erosion

Management
Introduction

DEM

Historical erosion

Current erosion

Management
Introduction

DEM

Historical erosion

Current erosion

Management
Modelling present-day erosion

WaTEM/SEDEM


- Spatially distributed soil erosion & sediment delivery model
- Simulate impact of soil conservation & sediment control measures
- Water erosion: RUSLE
  - + Field borders, tillage direction & road infrastructure
Introduction
DEM
Historical erosion
Current erosion
Management
Thank you for your attention