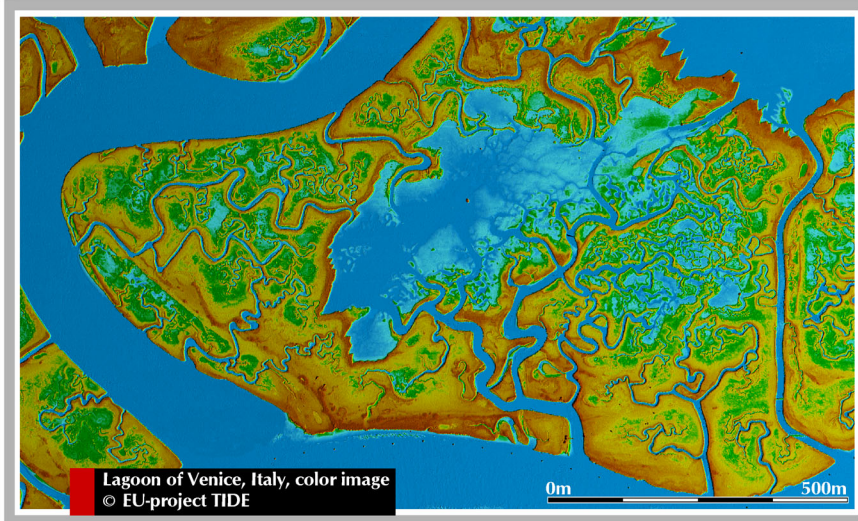
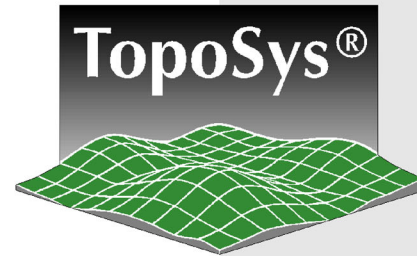


# LIDAR - APPLICATIONS

## Monitoring and Protection of Coastal Zones



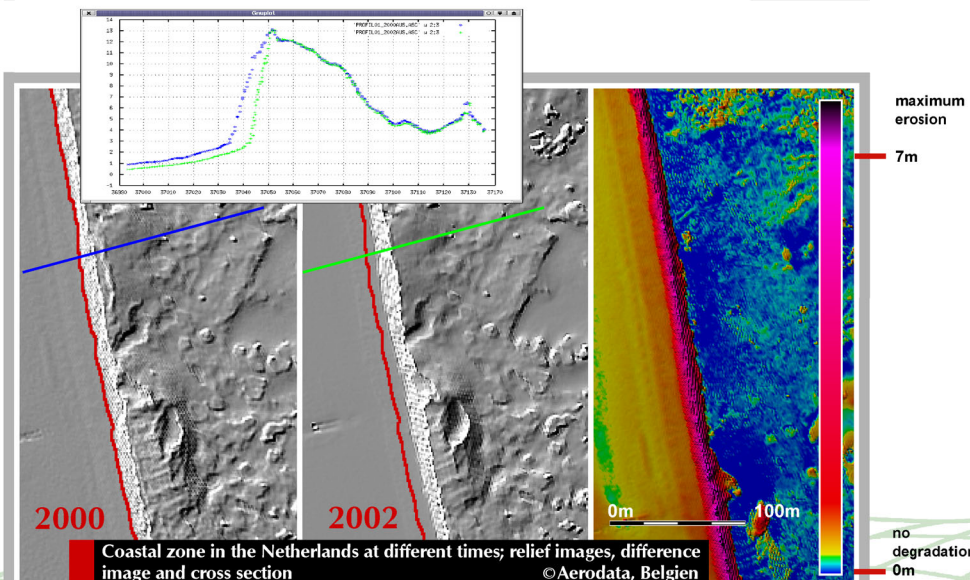
TopoSys high resolution surface models (DSM) are ideally suited for:

- inventory of coastal zones and isles
- determination of drainage channels and potential flood regions
- simulation of tidal water levels



TopoSys elevation models and ortho images as basic dataset for:

- monitoring of dikes
- planning and maintenance of constructions for the protection of dikes and the coast line
- disaster prevention and environmental preventive measures
- creation of coastal information systems (CIS)
- mapping of vegetation and land use



Monitoring of coastal zones and isles:

- repeated survey of the same area by the TopoSys LIDAR
- computation of changes
- localisation and calculation of volumes of erosion and accumulation
- documentation of the demolition of cliffs