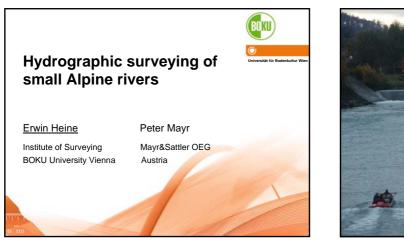
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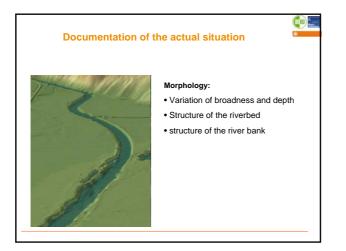


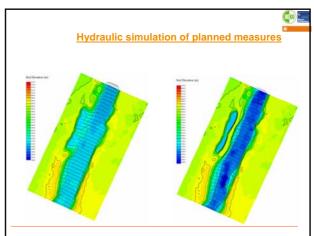
EU-Water Framework Directive (WFD)

- > 2003 Implementation of EU-WFD in national law
- > Protection and enhancement of aquatic ecosystems
- > 2015 Achievement of "good condition" of all water bodies
- > Ensure the "good condition" of water bodies
- > Reduction of impacts of flood and drouth

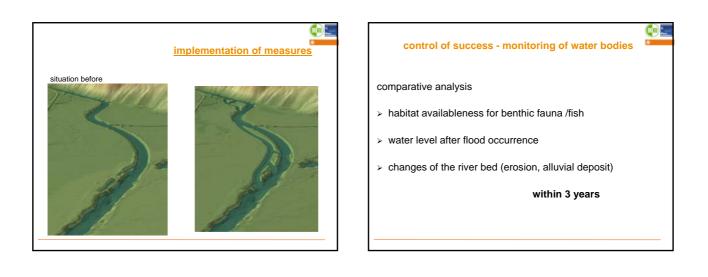
Hydraulic modelling to define measures

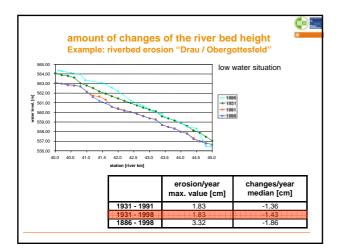
- > multi-dimensional numeric flow modelling
- > simulation of a dynamic river bed
- > DTM's of high quality required
 - high density of measurement points of the entire river section
 - accuracy in height better than 10cm

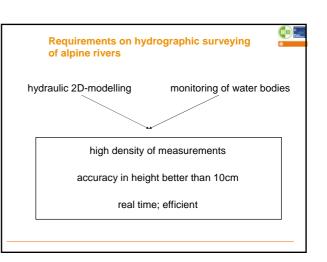


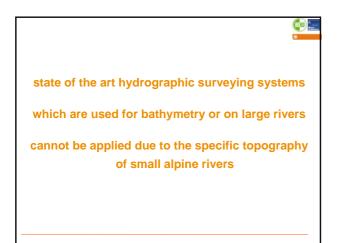


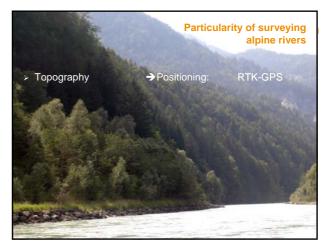
May 2003













- > steep river banks
- > high and dense vegetation overhangs the watersurface
- > 60% to 85% RTKGPS
 positioning successful
- > predetermination impossibl
- RTK-, dead areas" will be discovered in the field



