

for the Western Balkans HEIs and stakeholders



• Guideline for joint river engineering measures





Report contains:

- Description of problems AT & HU
- Common Problems in AT & HU
- Differences
- Processes



Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders



	Problem	Description
Problems	Flood risk protection	 causes decoupling of river and floodplain cut-off of side arms reduced flood retention volumes reduction of river length and width increased flow velocities increased shear stresses river bed degradation
river engineering	Instream channel alterations	 affect hydrodynamics and morphodynamics, cause increased erosion of river bed sediment aggradation in groyne fields
	River bed incision	 bed load transport inhibited by torrent controls and hydropower plants risk of riverbed breakthrough
	Prevented side erosion	 river engineering measures inhibit lateral erosion reduced channel width causes enhanced sediment transport capacity both lead to river bed incision

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Pilot project Witzelsdorf (2009)

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