Reservoir Sedimentation

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Objectives

Reservoir Sedimentation and Socio-Environmental Impacts:

- 1. Steep Mountain Channels and Sabo Dams;
- 2. Reservoir Sedimentation;
- 3. Sediment Removal;
- 4. Locks and Dams and Estuary Barrages;
- 5. Effects Downstream of Reservoirs;
- 6. Socio-Economic Impact.

1. Steep Mountains and Sabo Dams





























































3. Mechanical Removal and Sediment Flushing

















































































6. Socio-Economic Impacts: Case Study in Haiti



Example: Peligre Dam in Haiti









Lowland Slash and Burn









Farming Hilltops?



Watershed DeforestationImage: Additional image: Ad



















Could this be avoided?



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