

[River Lahn - Germany, Small restoration measure](#) **[1]**



The restored site Cölbe in the river Lahn is located in the Federal State of Hesse. The river section belongs to the 'Auenverbund Lahn - Ohm' set up for the protection and natural development of the floodplains and tributaries of the rivers Lahn and Ohm. It serves as an important area for characteristic species, flood prevention, local recreation and the local climate. Restoration measures were implemented in 2000 on a river length of 200m. The main aim was a morphological improvement as the river course was straightened and natural instream habitats were largely missing. Therefore, bank fixations were removed to initiate bankside erosion and the river bed and banks were restructured to enhance habitat and biotic diversity.

- **River:** Lahn
- **Site name:** Cölbe
- **Typology:** Mid-sized mountain river
- **Altitude:** 191 m
- **Catchment area:** 650 km²
- **Pressures before the restoration:**
 - stabilised river banks (riprap)
 - straightened river course
 - monotonous cross profile
- **Restoration measures conducted:**
 - removal of bank fixation to initiate bankside erosion
 - creation of a side arm
 - restructuring of river bed and banks
 - placement of large wood
- **Length of restoration:** 0.24 km

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