Step 1: Riverbed stabilization (Sulz graben) with steel nets

+ slopes: life stakes (e.g. safex posts)

Step 2: Checking wooden structures upstream

Steps: (Rancheck graben) fence terraces with planting
1) Calculation of sediment input
2a) Existing capacity is sufficient
2b) Modification of existing basins
2c) Wooden crib dams/shrubs
   1) one or two tributary

Group 2
PROBLEMS

- Big amount of sediments & timber debris
- Destroyed structures in the upper catchment.

Consequence: High potential of relevant sediments.

SOLUTION (options...)

1. Hydraulic optimization of the lower section:
   Improvement of the sediment retention area.
2. Optimization of the existing retention basin
3. Main channel: monitoring - maintenance
   Cut the timber forests.
4. Monitoring the 2 erosion channels
5. Catastrophic plans for the railways & the bridge - excavators.

Group 3