

Successful cooperation between nature and water management

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Requirements

- Water Framework Directive
- Habitats Directive
- Birds Directive
- German nature conservation law
- Flood protection (standard in Bavaria: 100-year flood + 15 % extra amount due to climate change)
- Often: enhancement of recreation potentials
- In discussion: new hydro-power plants

Key factors of integrative projects

- Shared projects responsibility
- Shared resources
- Creating a shared language
- Willingness to find compromises
- Inclusion of all stakeholders
- Inclusion of land owners
- Information of the public
- Participation (river dialog, workshops, round tables)

Flood protection and nature management

- relocation of retention dams: river gets more space, flood plain woods will be flooded more often, possibility of initiating self dynamic processes
- Activating and including of sides-arms: development of typical habitats, structural diversity increases, retention volume increases
- Excavation of flood plains: development of pebble banks, natural river banks, softwood-floodplain forests

Integrative river restoration - projects

Examples of best practise projects in Bavaria:

- Isarplan, Munich
<http://www.muenchen.de/rathaus/Stadtverwaltung/baureferat/projekte/isar-plan.html>
<http://www.die-neue-isar.com/isarrenaturierung/isarplan>
http://www.wwa-m.bayern.de/fluesse_seen/massnahmen/isarplan/index.htm
- Wertach vital, Augsburg
<http://www.augsburg.de/index.php?id=9410>
<http://www.wwa-don.bayern.de/hochwasser/hochwasserschutzprojekte/wertachvital/index.htm>
- Revitalisation of floodplain forests, Neuburg (Danube)
<http://www.auenzentrum-neuburg-ingolstadt.de/Auenzentrum/index.php?id=109>
http://www.wwa-in.bayern.de/fluesse_seen/massnahmen/mass05/index.htm
- Relocation of a dyke, Fridolfing (Salzach)
http://www.wwa-ts.bayern.de/hochwasser/hochwasserschutzprojekte/deichrueckverlegung_fridolfing/index.htm
- Flood protection Regensburg (Danube, Regen)
<http://www.hochwasserschutz-regensburg.de/startseite>