Ecosystem-based Adaptation in the Water Sector

by Roland Treitler
Germany Brandenburg (Source: Matthias Freude, Land Brandenburg)

Natural Retention Areas

Dike relocation river Elbe: 420 ha gained foreshore area

Technical Data Dike Relocation:
- Stream Kilometers: 476.7 – 483.8
- New Dike Route: 6.110 M
- Old Dike Route: 7.189
- Max. Relocation: 1.300 M
- Dike Crest: 8.15 M + Freeboard
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-15%
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**Benefits**
- Dike 15% shorter, lower costs
- Additional retention area of 420 ha
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Additional benefit: near recreation area

"Cyclists on our dikes, never!" (1995)

In 2014 the Elbe Cycle Route is the most popular cycle route in Germany for the 10th time in a row.

The Elbe Cycle Route was 2013's busiest cycle route

Cyclist survey of Naturwacht July 2006. 150 cyclists per day
    Overnight per day and head € 35.00,
    RDA per head 25 € -> € 60 per day
    € 508 500 monthly income of the region
Living weirs in Thailand

• How to overcome institutional, financial limits
  ➢ Look for visionary persons
Living weirs in Thailand

• Create a platform for collaboration
  ➢ Individual knowledge, local wisdom
  ➢ Science
Living weirs in Thailand

• Create a platform for collaboration
  - Civil society will be encouraged to take action
  - More and more stakeholders will get involved
• The effects are
  
  ➢ The science is interested and is researching on living weirs
  
  ➢ The civil society actively participates
  
  ➢ The governmental institution got involved, too

Thank you for your attention