

Sustainable water management with and for the environment

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The impact of climate change
Limburg, summer 2016



Preventing floods hilly areas Southern Limburg



Rural areas



- More trees
- Storage bassins
- Roughning landscape
- Another soil processing

Urban areas



- Other road covers
- Open pavement
- Disconnect rainwater from sewage
- More flora
- Less pavement in gardens

Watersystem



- Enlarge rivers
- Enlarge culverts
- Enlarge water buffers

Damage reduction in your own house



- Create walls in gardens
- Placing baffles
- Cellars waterproof
- Early warning

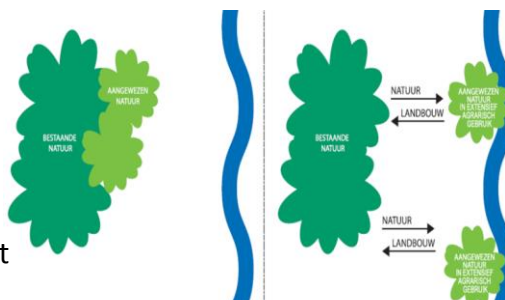


Preventing floods rest of Limburg



Make the area climate adaptive:

- Adjusting maintenance
 - ✓ Weir management
 - ✓ Mowing management
- Designing robust brook valleys
 - ✓ Adjust spatial planning into nature
- Urban water management



Regulation of surface water levels in normal conditions

Economical impact:

- Water is one of the most important production factors
- Average groundwater levels 10 cm too high or too low → one to a couple percentages production loss
- Example: total yield groundwater dependent agriculture approximately € 300 million → € 3 million damage with 1% production loss

→ Water management must facilitate optimal conditions for production!

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Regulation of surface water levels in normal conditions

Weir management



Water supply



Mowing maintenance



Water conservation



***Thank you for
your attention!***

