Netherlands

Water Management around the world.





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The Netherlands

- NL is a third bigger than the size of Maryland
- 17 million people
- 26% below sea level
- 60% of population, 70% of GDP earned in area below sea level
- 800 years of experience in innovative solutions for water related problems



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Partnership US - NL

- Louisiana
- New York
- Norfolk
- Charleston
- And more....





- Development
 - Smaller communities < 50.000
 - Become more resilient: find, scale and finance
 - A Record braking hurricane seasons
- Collaboration
 - American Flood Coalition
 - Arcadis
 - O The Netherlands Embassy





Where to start building resilience?

- ♦26 real world case studies
- Cost and Complexity
- ♦Learnings
- Simple, understandable language





How to use this guide?

- Start with key tips and ideas for developing a local flood action plan
 - Build resilience and adaptation
 - Invest in resilience
 - Create positive change

♦ Review the 26 approaches:

- Land use and policy
- Storm water and drainage
- o Coastal and shoreline
- •Use the cost and complexity diagram
- Share this guide with stakeholders





How to use this guide?

These approaches are based on the following characteristics:

♦ Scale

- Investment types
- Operations and maintenance
- Federal funding
- Information resources





The Jack Smith Creek Wetlands

Largest man-made wetlands in New Bern (NC) a community of 30,000 people

 Can retain more than 5 million gallons of stormwater

♦Cost \$2.6 million

♦ A new Stormwater Maintenance Division

A research park for North Carolina State University



Room for the Rivers

•To manage higher water levels in rivers by:

- lowering the levels of flood plains
 - creating water buffers
 - relocating levees
- increasing the depth of side channels
- Increasing the construction of flood bypasses

•The program consisted of over 30 projects

Room for the River: Technical measures







Netherlands

Do you want to learn more about the guide, go to:

https://nlintheusa.com/adaptation-for-all/



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