

# Tools and Measures

**SIC adapt! is a Strategic Initiative Cluster (SIC) of eight projects concerned with adaptation to the spatial impacts of climate change under the INTERREG IV B North-West Europe Programme (see backside).**

## Cluster activities so far consisted in:

- compiling and comparing selected adaptation tools and measures developed and implemented by the eight Cluster projects;
- reflecting upon the findings by analysing those tools and measures;
- setting up the basis for the *SIC adapt!* knowledge platform;
- preparing key messages as a basis for policy recommendations.

**This Info Card gives a short summary of the results achieved in the first two activities.**

**Cluster projects use or are developing a broad range of tools and measures.**



- Cluster projects concentrate on the practical application of already existing modelling and mapping tools.
- In practice the biggest challenge with regard to assessment tools is currently vulnerability assessment.



- It is important to integrate the adaptation to climate change into existing (planning) processes rather than introducing totally new processes.
- Stakeholder interaction tools that improve information, exchange, participation and cooperation are most important.
- Measures exclusively for the purpose of adapting to climate change are scarce. Adaptation to climate change will be the most successful if linked to ongoing activities and feed into routine processes.

## Conclusions

- Climate change adaptation will only be successful and effective if the development of technical adaptation tools and measures includes stakeholders as part of the process;
- The main challenges lie in improving communication, facilitating organisational change and increasing institutional capacity;
- Special attention needs to be paid to the local and neighbourhood dimension of climate change;
- The emphasis on uncertainties within the context of climate change should not be considered as an obstacle;
- The Cluster cross-project exchange mechanism should be used to expand on certain key topics as heat and bioclimatic stress, impacts of flash floods, multifunctional land-use, vulnerability assessment and climate proofing.

The full paper 'Findings and conclusions' including all appendices can be downloaded from the *SIC adapt!* webpage: [www.sic-adapt.eu/download.html](http://www.sic-adapt.eu/download.html)

Version: Dec. 2011

## CLUSTER SUMMARY

The INTERREG IV B North-West Europe (NWE) Programme acknowledges adapting to the impacts of climate change as one of the most fundamental challenges for territorial development in the programme area.

Through the Strategic Initiatives Cluster, "Adaptation to the spatial impacts of climate change", eight transnational approved projects with almost 100 project partners combine their efforts for promoting and achieving effective climate adaptation throughout NWE.

### The aim of the cluster is to:

- share knowledge,
  - establish and promote measures and to
  - call for action
- for efficient adaptation to the expected spatial impacts of climate change in NWE.

### In addition to the transnational cooperation inherent the cluster will:

- strengthen the impact of each project, especially at higher policy levels;
- foster implementation of adaptation measures by widely tested and known good practice examples for regions with similar impacts;
- encourage policy recommendations for a stimulating policy framework especially for the NWE regions;
- ensure that the outputs from the projects illustrate how existing management instruments can be tailored to facilitate adaptation across a range of sectors and locations;
- enhance projects' results;
- avoid duplication beyond national boundaries;
- increase promotion of the adoption of adaptation measures.

### Selected outputs

- Review of different strategies and tools for assessing the spatial impacts of climate change ([available](#))
- Catalogue of measures/ actions to adapt to climate change in NWE ([available](#))
- Enhanced individual projects' outcomes by cluster partnership networking ([in process](#))
- Common policy recommendations and messages from the eight projects involved ([under development](#))
- Presentation of joint results on a web-based network knowledge platform ([test phase](#))

	The 4 Action Fields			
	1 Built environment	2 Water environment	3 Nature environment	4 Social environment
ALFA				
AMICE				
C-Change				
FRC				
ForeStClim				
Future Cities				
IMCORE				
WAVE				

### The complex partnership:

- 1 Adaptive Land Use for Flood Alleviation (ALFA), Lead Partner (LP): Rijkswaterstaat, NL, [www.alfa-project.eu](http://www.alfa-project.eu)
- 2 Adaptation of the Meuse to the Impacts of Climate Evolutions (AMICE), LP: EPAMA, FR, [www.amice-project.eu](http://www.amice-project.eu)
- 3 Changing Climate - Changing Lives (C-CHANGE), LP: Groundwork London, UK, [www.cchangeproject.org](http://www.cchangeproject.org)
- 4 FloodResilienCity (FRC), LP: Rijkswaterstaat, NL, [www.floodresiliency.eu](http://www.floodresiliency.eu)
- 5 Transnational Forestry Management Strategies in Response to Regional Climate Change Impacts (ForeStClim), LP: Landesforsten RP, DE, [www.forestclim.eu](http://www.forestclim.eu)
- 6 Future Cities - urban networks to face climate change, LP: Lippeverband, DE, [www.future-cities.eu](http://www.future-cities.eu)
- 7 Innovative Management for Europe's Changing Coastal Resource (IMCORE), LP: National University of Ireland, IE, [www.imcore.eu](http://www.imcore.eu) and [www.coastaladaptation.eu](http://www.coastaladaptation.eu)
- 8 Water Adaptation is Valuable for Everybody (WAVE), LP: Waterschap R en D, NL, [www.waveproject.eu](http://www.waveproject.eu)

With approx. 100 project partners from 7 Member States

**Budget:** € 880.000 EUR (100 % ERDF)

**Project implementation:** Sept. 2010 - June 2013

Cluster Leader: LIPPE VERBAND

INFRASTRUKTUR & UMWELT  
Professor Böhm und Partner  
**Scientific Cluster Coordination**

