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## Integration of adaptation and mitigation in local climate policies

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aims at combining measures to promote adaptation to climate change with preventive strategies to maintain and protect the global climate.

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## Climate Impacts

- Overheating of urban areas
- Flooding of coastal areas
- Drought/Flooding in rural areas
- Flooding of urban areas

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## Online Adaptation Tool

Matrix of Adaptation Measures	Impacts ----- Category of measure	Flooding rivers in urban areas	Flooding of coasts	Droughts and floods in rural areas	Overheating in urban areas
Explanation of categories of impacts/measures	Vulnerability Assessments	Internet Info Tool; Climate Diagnostics and Modelling; Precipitation Management	Climate Diagnostics and Modelling	Internet Info Tool; Climate Diagnostics and Modelling	Climate Diagnostics and Modelling
Measures	Information and Aid Services	Flood Early Warning System; Flood Catastrophe Plan	High Tide Alert Center	Flood Early Warning System; Flood Catastrophe Plan	Heat Wave Warning System; Heat Wave Action Plan
Mitigation Tool	Planning	Mobile Water Supply	Mobile Water Supply	Renaturation of Rivers;	
Amica Partners					
City Network					
Climate Alliance					
News					
Press					
Photogallery					

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## Online Adaptation Tool

**Evaluated practice: Heat wave warning system**

**Location:** National, and put into practice in each Departement Local Authority Greater Lyon

**Developer:** Météo France (French national meteorological office) and other public bodies

**Completed:** 2004


**Category:** Information system

**Description:** System is designed to make people aware of the risk of a heat wave. It consists of different levels of alarm, linked to specific actions...



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## Spatial Planning: Flooding - Watershed Management, Forestry and Wood Energy



Vom Wald zum Holzhaus  
Vom Wald zum Spielplatz  
Vom Wald zur Parkbank

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## Integration: Energy (draft)

Adaptation benefits ..... Mitigation benefits	Energy Supply Security during extreme weather events (storms, drought)	Comfort in buildings (during heatwaves)	Risk prevention previous to extreme climate (storm, drought, flooding)	Reduction of environmental damages in flooding areas (water pollution)
CO2-neutral energy consumption	- Decentralised power plants with renewable energies- retrofitting (fuel switch) - Storage hydro power stations - Higher biomass use	- Use of removable energies for cooling (Solar cooling, etc.)		- Exchange of oil heating in flooding areas (with f. e. wood energy)
Energy efficiency /savings	- Master plan for the use of water - Energy savings in general - retrofitting (new technologies)	- Green roofs - "Trigeneration" (combined heat, cooling and power Production)	- Power management by rapid electricity saving activities (including media campaigns, etc.)	
"CO2-sinks"	- Planting and use of local forest resources (wood energy), watershed management			

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## Spatial Planning: Adaptation versus Mitigation

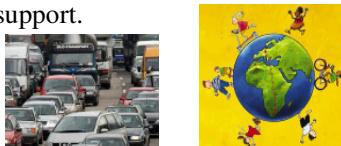


Foto: pixelpelle.de

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## AMICA Vision

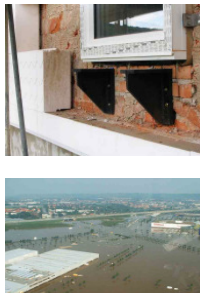
- Adaptation and Mitigation are integrated in regional and local policies;
- National governments recognise the contribution of the local level and provide support.



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## Conclusions

- Adaptation policies depend on parallel mitigation measures.
- Adaptation measures have to be sustainable!
- Mitigation and Adaptation should be addressed simultaneously;
- There is a potential of synergy measures on the local level;



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## Further Information

[www.amica-climate.net](http://www.amica-climate.net)