

# SECTORALE PRIORITEITEN

23/11/2017 • CONFERENTIE 'ADAPTATIE AAN DE KLIMAAT-  
VERANDERING : STAND VAN ZAKEN IN BELGIE'



CLAIRE COLLIN

DIENT KLIMAATVERANDERING

FEDERALE OVERHEIDSDIENST VOLKSGEZONDHEID, VEILIGHEID VAN DE VOEDSELKETEN EN LEEFMILIEU

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# REGIONALE & SECTORGEBONDEN RISICO'S



# REGIONALE RISICO'S

## Observed impacts attributed to climate change reported

### Europe

Key risk	Adaptation issues & prospects	Climatic drivers	Timeframe	Risk & potential for adaptation																		
<p>Increased economic losses and people affected by flooding in river basins and coasts, driven by increasing urbanization, increasing sea levels, coastal erosion, and peak river discharges (<i>high confidence</i>)</p> <p>[23.2-3, 23.7]</p>	<p>Adaptation can prevent most of the projected damages (<i>high confidence</i>).</p> <ul style="list-style-type: none"> <li>• Significant experience in hard flood-protection technologies and increasing experience with restoring wetlands</li> <li>• High costs for increasing flood protection</li> <li>• Potential barriers to implementation: demand for land in Europe and environmental and landscape concerns</li> </ul>		<table border="1"> <tr> <td></td> <td>Very low</td> <td>Medium</td> <td>Very high</td> </tr> <tr> <td>Present</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td>Near-term (2030-2040)</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td rowspan="2">Long-term (2080-2100)</td> <td>2°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> <tr> <td>4°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> </table>		Very low	Medium	Very high	Present	[Bar chart showing risk level]			Near-term (2030-2040)	[Bar chart showing risk level]			Long-term (2080-2100)	2°C	[Bar chart showing risk level]		4°C	[Bar chart showing risk level]	
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<p>Increased water restrictions. Significant reduction in water availability from river abstraction and from groundwater resources, combined with increased water demand (e.g., for irrigation, energy and industry, domestic use) and with reduced water drainage and runoff as a result of increased evaporative demand, particularly in southern Europe (<i>high confidence</i>)</p> <p>[23.4, 23.7]</p>	<ul style="list-style-type: none"> <li>• Proven adaptation potential from adoption of more water-efficient technologies and of water-saving strategies (e.g., for irrigation, crop species, land cover, industries, domestic use)</li> <li>• Implementation of best practices and governance instruments in river basin management plans and integrated water management</li> </ul>		<table border="1"> <tr> <td></td> <td>Very low</td> <td>Medium</td> <td>Very high</td> </tr> <tr> <td>Present</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td>Near-term (2030-2040)</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td rowspan="2">Long-term (2080-2100)</td> <td>2°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> <tr> <td>4°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> </table>		Very low	Medium	Very high	Present	[Bar chart showing risk level]			Near-term (2030-2040)	[Bar chart showing risk level]			Long-term (2080-2100)	2°C	[Bar chart showing risk level]		4°C	[Bar chart showing risk level]	
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<p>Increased economic losses and people affected by extreme heat events: impacts on health and well-being, labor productivity, crop production, air quality, and increasing risk of wildfires in southern Europe and in Russian boreal region (<i>medium confidence</i>)</p> <p>[23.3-7, Table 23-1]</p>	<ul style="list-style-type: none"> <li>• Implementation of warning systems</li> <li>• Adaptation of dwellings and workplaces and of transport and energy infrastructure</li> <li>• Reductions in emissions to improve air quality</li> <li>• Improved wildfire management</li> <li>• Development of insurance products against weather-related yield variations</li> </ul>		<table border="1"> <tr> <td></td> <td>Very low</td> <td>Medium</td> <td>Very high</td> </tr> <tr> <td>Present</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td>Near-term (2030-2040)</td> <td colspan="3">[Bar chart showing risk level]</td> </tr> <tr> <td rowspan="2">Long-term (2080-2100)</td> <td>2°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> <tr> <td>4°C</td> <td colspan="2">[Bar chart showing risk level]</td> </tr> </table>		Very low	Medium	Very high	Present	[Bar chart showing risk level]			Near-term (2030-2040)	[Bar chart showing risk level]			Long-term (2080-2100)	2°C	[Bar chart showing risk level]		4°C	[Bar chart showing risk level]	
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Bron: IPCC AR 5 - WGIII

- **Warmer klimaat:** stijging van temperatuur
- **Meer seizoensgebonden neerslag:** daling in de zomer, stijging in de winter
- **Meer extreme weersomstandigheden:** frequentere en hevigere regenbuien in de winter en onweders in de zomer, meer hittegolven in de zomer
- **Gemiddeld minder neerslag in de zomer, in combinatie met meer verdamping :** risico op een ernstig watertekort
- **Zeespiegel :** stijging tussen 20 en 90 cm tegen 2100
- **Hitte-eilandeffect :** versterking in de steden

Bron: [cordex.be](http://cordex.be)

# SECTORGEBONDEN RISICO'S

**Biodiversiteit:** extra druk op kwetsbare gebieden/soorten, veranderingen in distributiegebieden, invasies, wijzigingen in fenologie

**Transport:** schade aan infrastructuur, verbetering van de algemene verkeersomstandigheden (winter)

**Energie:** verandering energieverbruik, afkoeling kerncentrales, schade aan infrastructuur, wijzigingen in productie

# SECTORGEBONDEN RISICO'S

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**Gezondheid:** sterfgevallen door hittegolven, voedselvergiftiging, ademhalingsaandoeningen en allergieën, vector overgedragen ziekten, minder sterfgevallen in de winter

**Industrie & diensten:** directe schade, impact op productieprocessen, uitdaging voor de verzekeringsstelsels

+ transversale uitdagingen



# AANPAK PER SECTOR





# SECTOREN / THEMATISCHE GEBIEDEN DIE AAN BOD KOMEN IN DE FEDERALE, GEWESTELIJKE EN NATIONALE ACTIEPLANNEN VOOR ADAPTATIE

	Federaal	Vlaanderen	Wallonië	Brussel	Nationaal
Landbouw		✓	✓		
Biodiversiteit		✓	✓	✓	✓
Bebouwd gebied		✓		✓	
Kustgebieden		✓			
Crisisbeheer	✓	✓			✓
Energie		✓		✓	✓
Milieu		✓	✓ <sup>2</sup>	✓	
Visserij		✓			
Bossen		✓	✓	✓	
Gezondheid		✓	✓		✓
Infrastructuren	✓ <sup>1</sup>	✓		✓	
Industrie & diensten		✓			
Onderzoek		✓	✓		✓
Toerisme		✓	✓		
Transport	✓	✓			
Waterbeheer		✓	✓	✓	
Internationale samenwerking	✓ <sup>2</sup>		✓		✓
Transversale zaken	✓	✓	✓		✓

BESLUITEN



- Relatief nieuw proces (iteratief, learning by doing)
- Integratie (EU, nationaal, regionaal, lokaal)
- Participatief proces
- Focus voor sectorale rondetafels (vanaf 2018) :
  - Biodiversiteit
  - Crisisbeheer
  - Energie
  - Transport
  - Gezondheid
  - Industrie & diensten

BEDANKT VOOR  
UW AANDACHT

