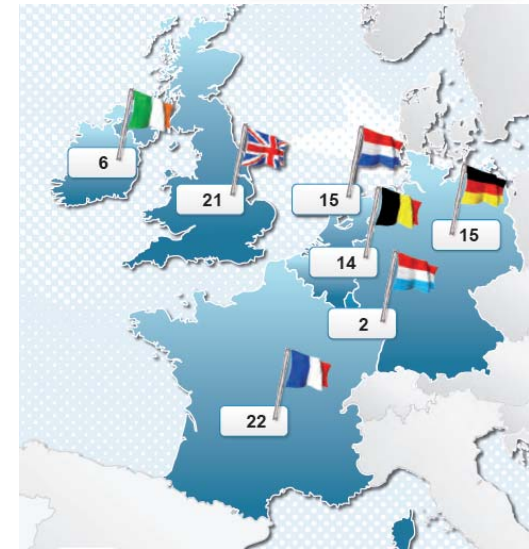


Presentation of theme IV:

Adaptation requires raised understanding



Eveline Huyghe

– West-Vlaamse Intercommunale, Belgium

Adaptation requires ...



IV ... raised understanding of climate change

IVa	Improve communication tools through visualisation
IVb	Increase attention in education and lifelong learning



IVa

Improve communication tools through visualisation



Our experiences - background / deficits

- Results studies climate change often too abstract
- Lack of understandable support for decision makers and planners
- Created visualisation tools often not used



IVa Improve communication tools through visualisation



Our experiences – good practice example

- Photo montage of flood data on panoramic photos
- Flood maps, risk maps, 3D video
- Water Game, Adaptation Compass, Map Table

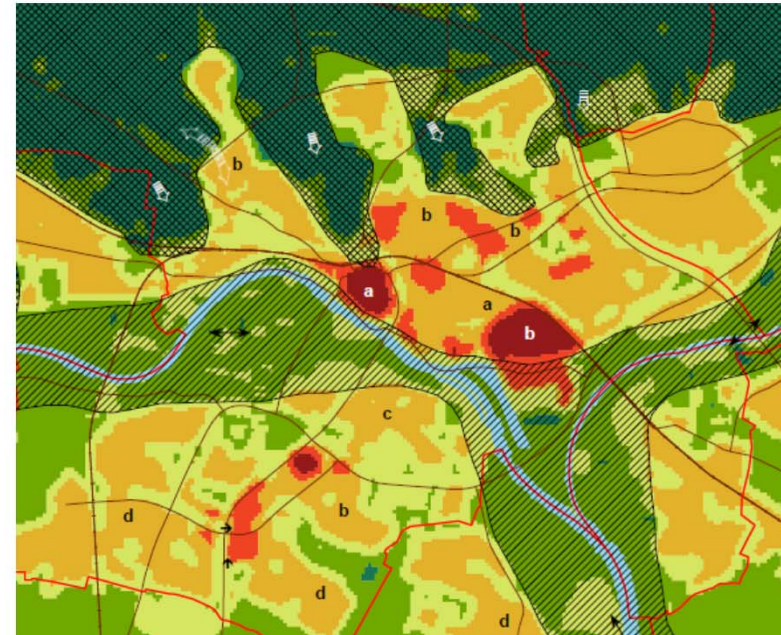
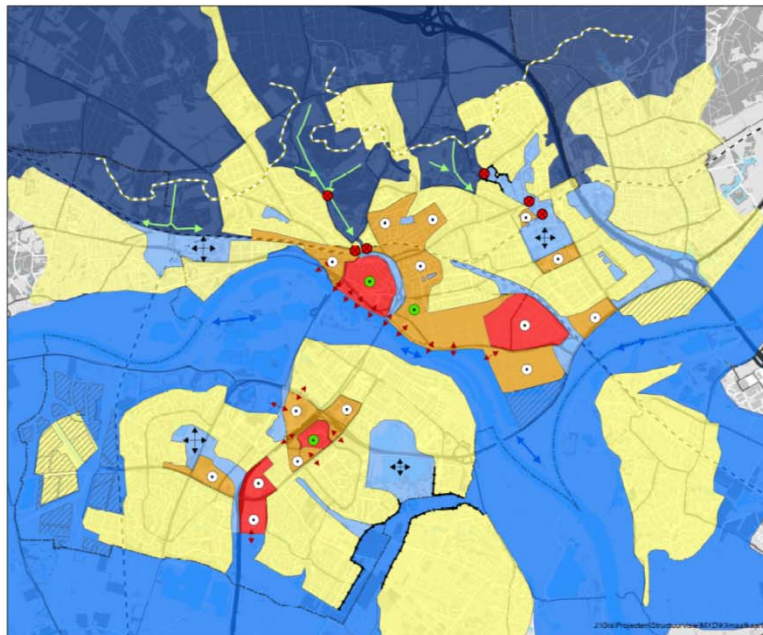


IVa Improve communication tools through visualisation



Our experiences – good practice example

- Heat attention map derived from Heat map



IVa

Improve communication tools through visualisation



Recommendation

- Make climate change impacts more tangible
- Create concrete, understandable visibility of climate change impacts
- Use existing and new visualization tools to explain scientific evidence & uncertainty to stakeholders and public.



IVb

Increase attention in education and lifelong learning



Our experiences - background / deficits

- Climate change should be included in school curricula
- Also of primary and secondary schools – EU White Paper on Adaptation: context = research and higher education
- Focus on mitigation – adaptation often ignored
- Education tools mostly “by-products” of projects



IVb

Increase attention in education and lifelong learning



Our experiences – good practice example

- Toolkits for primary schools on adaptation
- Cooperation with professional secondary schools –
- Conclusion: sustainability and adaptation should be included in the school curricula.



IVb

Increase attention in education and lifelong learning



Recommendation

- Create an EU priority to include climate change (adaptation) in teaching methods and curricula
- Identify what exists, identify gaps & mobilize support for teacher training
- Use existing networks to enhance the exchange of experience
- Ease the sharing of information, e.g. create a climate change knowledge hub



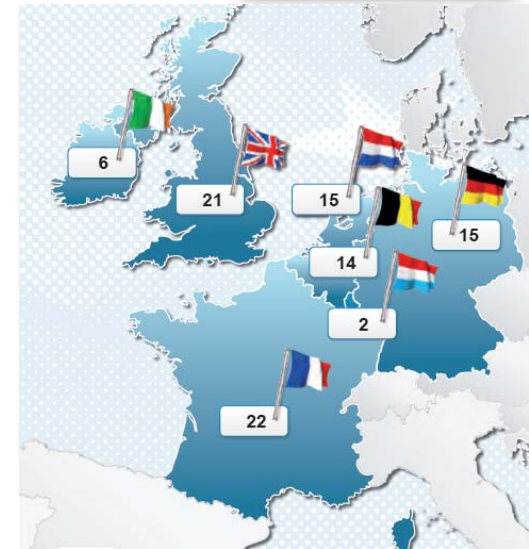
Comments on theme IV:

Adaptation requires
raised understanding

IVa Improve communication tools through visualisation

by Johan Bogaert

– National and regional adaptation official,
Flemish Government, Belgium





Agency	Initiative	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Total
CLIMATE CHANGE							
Australia's Climate Change Strategy							
DCC	Tackling Climate Change - Department of Climate Change - establishment	-	14.7	14.9	14.9	14.9	69.0
	Carbon Trading Scheme - establishment	-	9.3	9.3	9.3	9.4	37.3
DCC	Commonwealth Support of the Garnaut Review - contribution ²	1.9	0.7	-	-	-	2.6
	Total	1.9	15.4	14.9	14.9	14.9	61.3
Reducing Australia's Greenhouse Gas Emissions							
Tackling Climate Change -							
Defence	Climate Change Implementation Program ³	-	-	-	-	-	-
DEW-IA	Green Loans ⁴	-	17.4	60.2	66.1	67.9	259.9
DEW-IA	Solar Homes and Communities Plan ⁵	-	25.6	19.4	27.4	-17.7	-
DEW-IA	Low Emission Plan for Rentals ⁶	-	10.5	37.8	60.0	60.0	148.0
DEW-IA	One Stop Green Shop	-	1.0	1.0	1.0	-	3.0
DEW-IA	Hot Water System Phase Out ⁷	-	-	-	-	-	-
DEW-IA	Energy Efficiency of Electrical Appliances	-	2.0	4.1	4.0	3.9	14.0
DEW-IA	Deception Bay Pool - contribution ⁸	-	-	-	-	-	-
DIIR	Clean Business Australia - Green Building Fund	-	22.5	37.8	16.0	16.0	80.0
DIIR	Clean Business Australia - Re-tooling for Climate Change	-	10.9	21.9	24.9	17.9	76.0
DIIR	Clean Business Australia - Climate Ready Program	-	13.1	22.9	29.9	16.9	76.0
DIIR	Clean Energy Innovation Centre ⁹	-	-	€20.0m over four years unprofiled		-	20.0
RET	Energy Innovation Fund	-	40.9	61.2	36.2	21.7	160.0

2008-09 Budget and 2007-08 Supplementary Additional Estimates Climate Change, Water and Environment Expenditure

<http://www.budget.gov.au>





It is a challenge to put ourselves into someone else's shoes...



Comments on theme IV:

Adaptation requires raised understanding



by André Jol

– European Environment Agency, EU

Comments on theme 'raised understanding' by André Jol, EEA



- **Exchange and communication of practical experiences** is valuable (between countries, regions, cities, sectors)
- **Workshops, training, exchange, field trips**; enhance communication between policy/science/practitioners
- **Transfer of knowledge on measures** is challenging (e.g. differences in spatial planning, water management, nature conservation, legal frameworks)
- Communicate **success factors, costs/benefits of measures** (green/grey/behaviour change) and need for **coherence of policy** (EU, national, local)
- **Data, tools, methods**: need for more **consistency and comparability** and integration in existing approaches (WFD, Floods Directive, Natura2000 etc)
- **Scenarios and improved visualization** can help to deal with **uncertainties** and communicate with stakeholders including citizens
- **Monitoring, evaluation, criteria for good practice** of adaptation actions, in initial stage
- **Research** on impacts and risks remains needed, with increasing focus on adaptation
- Increased attention in **education** needed
- **Information portals** at EU (Climate-ADAPT) and national level can help, links between platforms can be improved

