



NL Agency
Ministry of Economic Affairs

RD&D needs for Energy System Climate Preparedness and Resilience

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» Focus on energy
and climate change



This Introduction

- Welcome!
- Experts' Group on R&D priority setting and evaluation (EGRD)
- The theme: RD&D needs for energy system climate preparedness and resilience
- Why here in Utrecht, in the Money museum?
- The questions
- The storm





Experts' Group on R&D Priority Setting and Evaluation (EGRD)

Energy R&D in innovative technologies is at the heart of meeting future energy challenges. Countries' capacity to develop effective national R&D strategies and programmes through the use of well founded tools is becoming increasingly important. The International Energy Agency's Experts' Group on R&D Priority Setting and Evaluation was created to promote development and refinement of analytical approaches to energy technology analysis; to R&D priority setting; and to assessment of benefits from R&D activities. Senior experts engaged in national R&D efforts collaborate on current issues through international workshops, information exchange, networking and outreach. The results and recommendations support CERT, feeds into IEA analysis, and provide a global perspective to national R&D efforts.

Workshops

[RD&D Needs for Energy System Climate Preparedness and Resilience](#)
 13-14 November 2013

[Mobility: Technology Priorities & Strategic Urban Planning](#)
 22-23 May 2013

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The theme: Climate Preparedness and Resilience



Some pictures from newspapers



Bracing for 'Frankenstorm'

Mayor: Keep calm, prepare 'go bags'

City officials are bracing for a potential weather nightmare.

Hurricane Sandy, which pummeled Cuba, the Bahamas and Jamaica, could be headed for the city, bringing a torrent of heavy rain, wind and even snow as soon as Sunday, officials warned.

"There will be a lot of rain along the whole East Coast," said Mayor Michael Bloomberg, speaking to reporters Thursday morning after getting a flu shot.

He warned that the storm has the potential to create "real weird weather, like snow, or a lot of rain," as well as a potential evacuation of low-lying areas — but said the city is already in preparation mode.

Media outlets and forecasters have dubbed the hurricane "Frankenstorm."

In addition to coordinating with the state, the mayor said the Office of Emergency Management's situation room is open and that the city's emergency coastal storm plan was activated Wednesday morning.

Gov. Andrew M. Cuomo



(FILE PHOTO: GETTY)

The MTA shut down all mass transit last year in anticipation of Hurricane Irene.

DNAinfo.com
New York
neighborhood news

areas in the city's history, in addition to a subway shut-down.

"We don't expect anything like that," Bloomberg said.

Cuba walloped by Hurricane Sandy

Hurricane Sandy hit Cuba with a surprising jolt on Thursday, slamming the island with winds that reached 110 miles per hour and leaving a trail of destruction, especially in the



Why here in Utrecht,
in the Money museum?

We Dutch take it personal!





River Waal, Tiel, Netherlands



Oosterscheldedam, Netherlands



The questions: Climate Preparedness and Resilience

- *What components of your country's energy system have shown to be vulnerable to climate change and extreme weather? Are there data available?*
- *Given increasing climate change impacts on the energy system, what are the key steps towards developing and deploying climate resilient energy technologies, and increasing climate preparedness and resilience in the energy system for different zones (e.g. coastal, semi-arid/desert, permafrost)?*
- *What are the major barriers inhibiting greater development and deployment of climate resilient energy technologies? Can these be characterised by category such as: (a) policy; (b) socio-economic; and (c) technical and/or cost?*



The questions: Climate Preparedness and Resilience

- *What are the most important actions that IEA member countries might take to address barriers and enhance climate preparedness and resilience of the energy systems?*
- *What are the highest priority energy technology RD&D gaps and opportunities to address energy system vulnerabilities?*
- *What is the proper role of government vs the private sector to develop, demonstrate and deploy climate resilient and flexible energy technologies?*
- *What programmes, policies or incentives are needed to accelerate the pace at which climate resilient technologies are developed and/or deployed?*



Video The Storm



National Flooddisaster museum (Ouderkerk)

