

Climate Change: From Desk to Road

CEDR Call 2015 Climate Change – Final Conference

November 19-20, 2018

LEF future center. Griffioenlaan 2 3526 LA Utrecht, Netherlands

Introduction: From Research to Implementation

Over the last 10 years, the Conference of European Directors of Roads (CEDR) has conducted in-depth research in an effort to:

(a) quantify the impacts of Climate Change and Extreme Weather events and assess their implications for National Road Authorities

(b) develop measures and tools for NRAs to support their mitigation of and adapting to Climate Change

It is now urgent for road authorities to move to the next step: integrating and implementing these research findings into decision-making and work practice. The summit on November 19-20 will:

- Present the final results of three recently completed projects under Call 2015 Climate Change,
- Review implementation of climate change research results by CEDR members,
- Plot next steps for road authorities in terms of integrating research findings into practice.

Presenting the results of Call 2015 Climate Change: From Desk to Road

The **DeTECToR** project will present the tools and guidance it has developed to help NRAs evaluate the business case for climate change adaption and how to incorporate climate change in procurement and operational processes.

The **WATCH** project will present results addressing the requirement for a transnational approach to water management in the face of Climate Change. This includes guidance on how to carry out a Cost Benefit Analysis (CBA) as a prerequisite for implementation of the results.

MODBEAR will present its evaluation of different mobility management measures including their effect on travel and transport behaviour and on greenhouse gas emissions. This includes combinations of different mobility management measures and descriptions of cost efficiency measures.

Reviewing Implementation of 10 years of Climate Change Research

The summit will present case studies from CEDR members states showing how climate change adaptation and implementation of research findings has been undertaken across Europe.

Call 2008: “Road Owners Getting to Grips with Climate Change” aimed at providing road authorities all across Europe with the knowledge and tools necessary to "get to grips" with climate change and its effects on all elements of road management by adapting design rules, updating and improving data collection, and developing risk management methods. The programme funded four projects.

Call 2012: “Road owners adapting to climate change” provided road owners with adaptation technologies and the models and tools to support decision-making concerning adaptation measures for the road infrastructure. The ROADAPT (Roads for today, Adapted for tomorrow) and CliPDaR (Design guideline for a transnational database of downscaled Climate Projection Data for Road impact models) project formed the core of this programme.

Plotting Next Steps to Implementation

The core of this summit will be interactive, workshop and plenary discussions on how to move from research findings to tangible implementation of these findings in the near term.

Agenda Day 1 – November 19

12:00 **Registration & Lunch**

13:00 **Welcome and Introduction**

- Marinda Hall (moderator)
- Cees Brandsen, Rijkswaterstaat, Member of CEDR Executive Board
- Vincent O'Malley, Chair, Programme Executive Board, Call 2015 Climate Change

13:15 **Ten Years of CEDR Climate Change Research and the Next Step**

Vincent O'Malley, Chair, Programme Executive Board, Call 2015 Climate Change

- Call 2008: "Road Owners Getting to Grips with Climate Change"
- Call 2012: "Road Owners Adapting to Climate Change"
- Call 2015: From Desk to Road - Implementation of Research

13:45 **Introducing the results of Call 2015 Climate Change: From Desk to Road**

- **DeTECToR**: Embedding climate change into practice and procurement
Sarah Reeves, TRL
- **WATCH**: Developing a transnational approach to water management in the face of climate change, *Thomas Bles, Deltares*
- **MODBEAR**: Diagnosing driver decision-making in a changing climate,
Tiago Oliveira, ARUP

14:30 Coffee Break

14:45 **Climbing the Climate Change Mountain: Wim Leenderste, Rijkswaterstaat**

- Using the "Sherpa & Specialist" concept to plan for Climate Change adaptation
- Definition of roles: how do we use the research tools to adapt to climate change? Who are the climate change sherpas and specialists?

15:15 **Interactive parallel workshops on each project: Focus on results and**

Implementation. Includes case study of implementation from CEDR member states

- **DeTECToR Project workshop**
Implementation focus: integrating climate change into procurement
Leaders: Reinhard David, ASFINAG; Sarah Reeves, TRL
NRA Case study: Germany (case study by the DeTECToR project)
- **WATCH Project workshop**
Implementation focus: Removal of water from roads
Leaders: Billy O'Keeffe, Transport Infrastructure Ireland; Thomas Bles Deltares
NRA Case studies:
 - Denmark (Case study taken as part of the WATCH project)
 - Flood management in Ireland
- **MODBEAR Project workshop**
Implementation focus: Mobility management
Leaders: Håkan Johansson, Trafikverket; Tiago Oliveira, ARUP
NRA Case study: Mobility Management in construction projects in Sweden

16:45 Coffee Break

17:00 **Plenary discussion**

Each parallel workshop to report their discussions on how to integrate research into practice and decision-making

18:00 Reception followed by dinner

Agenda Day 2 – November 20

09:00 **PIARC activities on Climate Change Adaptation and Resiliency**

Juergen Krieger, Federal Highway Research Institute (BASt), Germany

09:20 **Moving from Desk to Road: Presentation and discussion of NRA case studies**

- **Climate Change Risk Management**
Netherlands - CEDR ROADAPT methodology in the InnovA58 project
Kees van Muiswinkel, Rijkswaterstaat
- **Climate Adaptation Strategy for National Roads**
Poland - Mapping of climate vulnerabilities on existing national road network
Grzegorz Łutczyk, General Directorate for National Roads and Motorways (GDDKiA), Poland; Elisabet Vila Jorda, JASPERS
- **Water Management**
Ireland - Strategy for Adapting to Extreme Weather Events and Climate Change – Implementing CEDR Research into NRA’s Protocols, Guidelines and Standards – Road Drainage Design
Billy O’Keeffe, Transport Infrastructure Ireland
- **Embedding climate change into procurement**
Sweden – Embedding climate mitigation into procurement - reducing CO2 in a lifecycle perspective
Håkan Johansson, Trafikverket

10:45 Coffee Break

11:00 **Moving from Desk to Road: Plenary Discussion**

- What needs to be done and when?
- By whom?
- What further communication is needed?
- What steps can be taken between now and TRA2020?

12:00 Conclusions

12:30 Business Lunch and End of Conference

Suggested hotels and directions to the Venue

Directions from Schiphol Airport to Utrecht central station

Schiphol train station is situated directly below the airport. You can pick up a free baggage trolley from the platform. Via Schiphol Plaza, you can walk straight to the departure or arrival hall.

Information about your train journey

The journey planner on the [NS website](#) will provide you with information on the fastest and shortest route between your home address and Schiphol. It also contains the latest travel information, including details of temporary timetable changes.

- You can take the intercity train to Utrecht Centraal. This train leaves from track 1 or 2.
- From the Schiphol train Station it will take 30 minutes to Utrecht Central Station

Directions from Utrecht central station to Rijkswaterstaat building

From Utrecht Central station you can take the tram in the direction of Nieuwegein or IJsselstein. Leave the tram at 'P+R Westraven' and the Rijkswaterstaat building is within walking distance

Address:

Rijkswaterstaat 'Westraven' / LEF future center

Griffioenlaan 2

Utrecht

Suggested hotels

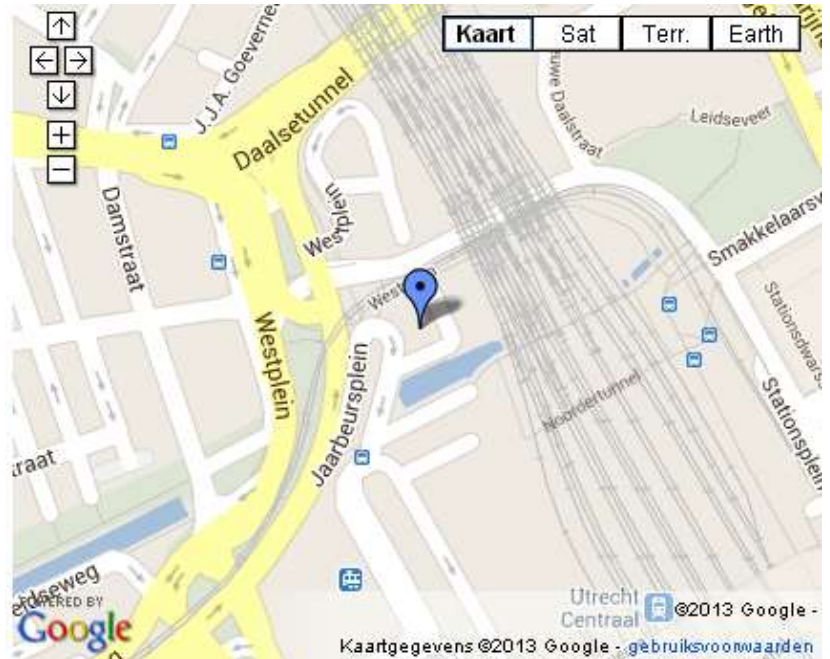
Park Plaza Utrecht	page 5
NH Hotel Jaarbeurs Utrecht	page 5
Bastion Hotel Utrecht	page 6

Park Plaza Utrecht

https://www.parkplaza.com/utrecht-hotel-nl-3531-bl/netutrec?dclid=CPmC553d9t0CFQMn4AodgXkEpg&facilitatorId=PARKPLAZAPPCBMM&qclid=EAIaIQobChMIbHXm9323QIVbZPtCh3PjAn4EAAAYASAAEqI7gPD_BwE&qclsrc=aw.ds

The Park Plaza Utrecht is centrally located and near the city centre and Central Station.

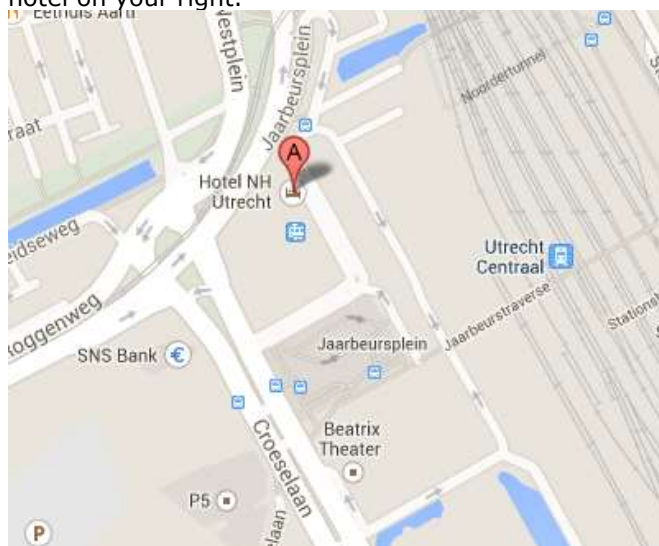
- At Utrecht Central station you can walk up to the central hall and walk out at the exit Jaarbeurs.
- When you arrive at Jaarbeursplein turn right and walk in to the street.
- At the end of the street you will find the hotel.



NH Hotel Jaarbeurs Utrecht

https://www.nh-hotels.nl/hotel/nh-utrecht?campid=8435708&ct=287135538&qclid=EAIaIQobChMIzrx29723QIVzL3tCh2jAQkxEAAAYASAAEqLO_fD_BwE&dclid=CMvN9d3e9t0CFY4u4AodyaEB0A

From Utrecht Central Station you can exit at Jaarbeurs and walk 2 minutes until you reach the hotel on your right.



Bastion Hotel Utrecht (across the street of the Rijkswaterstaat building)

https://www.bastionhotels.com/nl-nl/hotels/hotel-utrecht?gclid=EAIaIQobChMIqraZ9N723QIVo7DtCh0MSgsrEAAAYASAAEgISM_D_BwE

From Utrecht Central Train Station you take the tram to IJsselstein or Nieuwegein Zuid. Get off at bus stop Westraven. The hotel is at the opposite. The tram departs every 8 minutes until 7.00 p.m. and every 15 minutes after 7.00 p.m. The first tram departs from the hotel at 05.54 a.m.

The hotel is located within a 5 minutes walking distance of Rijkswaterstaat.

