

Climate Change Adaptation in the Transport Sector

Experience from Project Preparation
and Network Management

6 December Brussels

Agenda

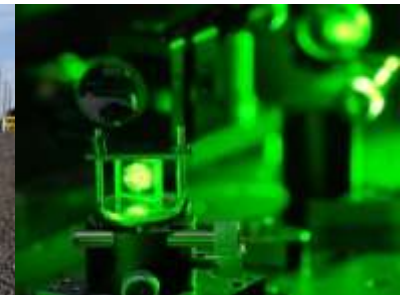
- 9:00 Opening and Welcome, plus Introductions
- 09:15 **Session 1 – Analysis of Climate Vulnerabilities on Transport Networks**
- 12:00 *Lunch*
- 13:00 **Session 2 – Assessment of Climate Risks for New Projects**
- 15:15 *Break*
- 15:30 **Session 3 – Awareness Raising and Information Sharing Within and Between Countries**
- 16:30 Conclusions
- 16:45 *Close*

(approx.)



Joint Assistance to Support Projects in European Regions

- Technical assistance partnership between the European Commission (EC) and the European Investment Bank (EIB).
- JASPERS helps EU and Candidate Countries prepare top-quality investment projects to benefit from European funds.
- Around 130 experts providing support to projects in a range of sectors (Transport, Water and Wastewater, Energy and Solid Waste and Smart Development).
- Provide advice at all stages of the project development cycle, including advice on climate change, to support the development of sustainable, low carbon and climate resilient projects and programmes.



Introductions

Tour de table



Session 1 – Analysis of Climate Vulnerabilities on Transport Networks



Best Practice Case Studies

- Identifying the climate change hotspots in the Spanish State-owned inland transport network

Albert Compte Anguela – CEDEX, Spain

- Mapping climate vulnerabilities on existing national road network in Poland

Grzegorz Łutczyk – GDDKiA, Poland

- Adapting Transport Authorities to Climate Change Adaptation

Rui Velasco Martins -Instituto de Movilidade e dos Transportes, Portugal

- Assessment of risks for highways in the Netherlands due to Climate Change

Kees van Muiswinkel – Ministry of Infrastructure and Water Management, Netherlands



Session 1

Lessons Learnt and Important Considerations

- Weather and climate change is impacting transport infrastructure: need to understand how to deal with this impact
- Identify relevant climate hazards and existing networks vulnerabilities (e.g. hotspots) in GIS system
- Monitoring and data collection of related events
- Climate projections: data available, trends analysis...
- Draw action plans: identify actions, milestones, responsible parties...



Questions for Discussion

- Countries prepared CC Adaptation Strategies (generally including analysis on transport sector), and further sector specific steps...?
 - What type of more detailed assessments (e.g. vulnerability analysis of networks) have been undertaken in the different countries?
 - Which entity undertook initiative for those studies? And why?
 - What are the difficulties to undertake those analyses?
- Initial results of those sector specific analyses and way forward
 - What has been the value of those studies?
 - What are the biggest threats/hazards to which the respective transport networks are vulnerable to?
 - Is there any kind of systematic register/monitoring of extreme weather events and their effects on the transport infrastructure? How does it work?
 - What type of actions are planned? How are the results of those studies used?
 - Cooperation with other authorities (rail/road, energy, telecom...)



Session 2 – Assessment of Climate Risks for New Projects

Best Practice Case Studies

- Climate Change and the Norwegian Road Network

Martine Holm Frekhaug – NPRA, Norwegian road authority, Norway

- Increasing Transport Resilience: The ROADADAPT framework in practice

Mike Woning – Deltares

- Climate change vulnerability and risk assessment on Gradiška Bridge

Boris Majić –Hrvatske ceste, Croatian Roads, Croatia



Session 2

Lessons Learnt and Important Considerations

- Take climate change impacts into account as early as possible in the project development (though not easy to integrate it into normal process)
- Follow climate change adaptation vulnerability and risk assessment principles at any project stage
- Adaptation measures can be considered from design stage to operation stage: cost effectiveness and asset management considerations
- Awareness and cooperation are key for successful adaptation action/measures



Session 2

Questions for discussion

- Is climate change adaptation factored in to planning, building, and/or operating the infrastructure?
- Is a vulnerability and risk assessment carried out for all new projects? At what stage(s)?
- Which are the main hazards considered?
- What are the steps and how is it used/integrated into the project development?
- How do you ensure this covers climate change and not just climate?
- How do you deal with uncertainty (especially in risk assessment)?
- How do you make sure that the adaptation measures are effective and implemented?

A woman with her hair in a bun, wearing a black headset, is seen from behind in a blurred office environment. The background shows other people and office equipment, suggesting a busy workspace.

Session 3 – Awareness Raising and Information Sharing Within and Between Countries

Some Practices

- The Working Group case in Portugal

Rui Velasco Martins - Instituto de Movilidade e dos Transportes, Portugal

- The CEDR CCA Working Group

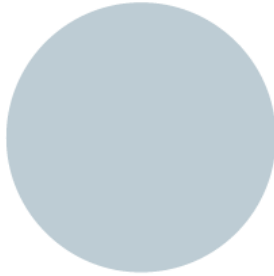
Kees van Muiswinkel – Ministry of Infrastructure and Water Management, Netherlands

- JASPERS - disseminating guidance on CC and EU requirements

Sarah Duff – Climate Change Specialist, JASPERS



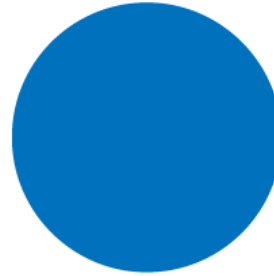
JASPERS Roles



Capacity building

Consolidation of the transfer of knowledge carried out during project assignments, with workshops and training courses.

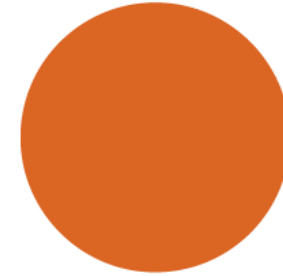
We also publish working papers to disseminate best practices and address common issues encountered during project preparation.



IQR

Appraisal of projects submitted for EU Funding, providing opinions as to whether projects qualify for grants or not.

Review and approval process includes climate change related requirements.

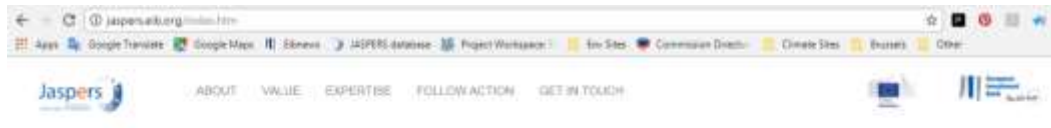


Project preparation

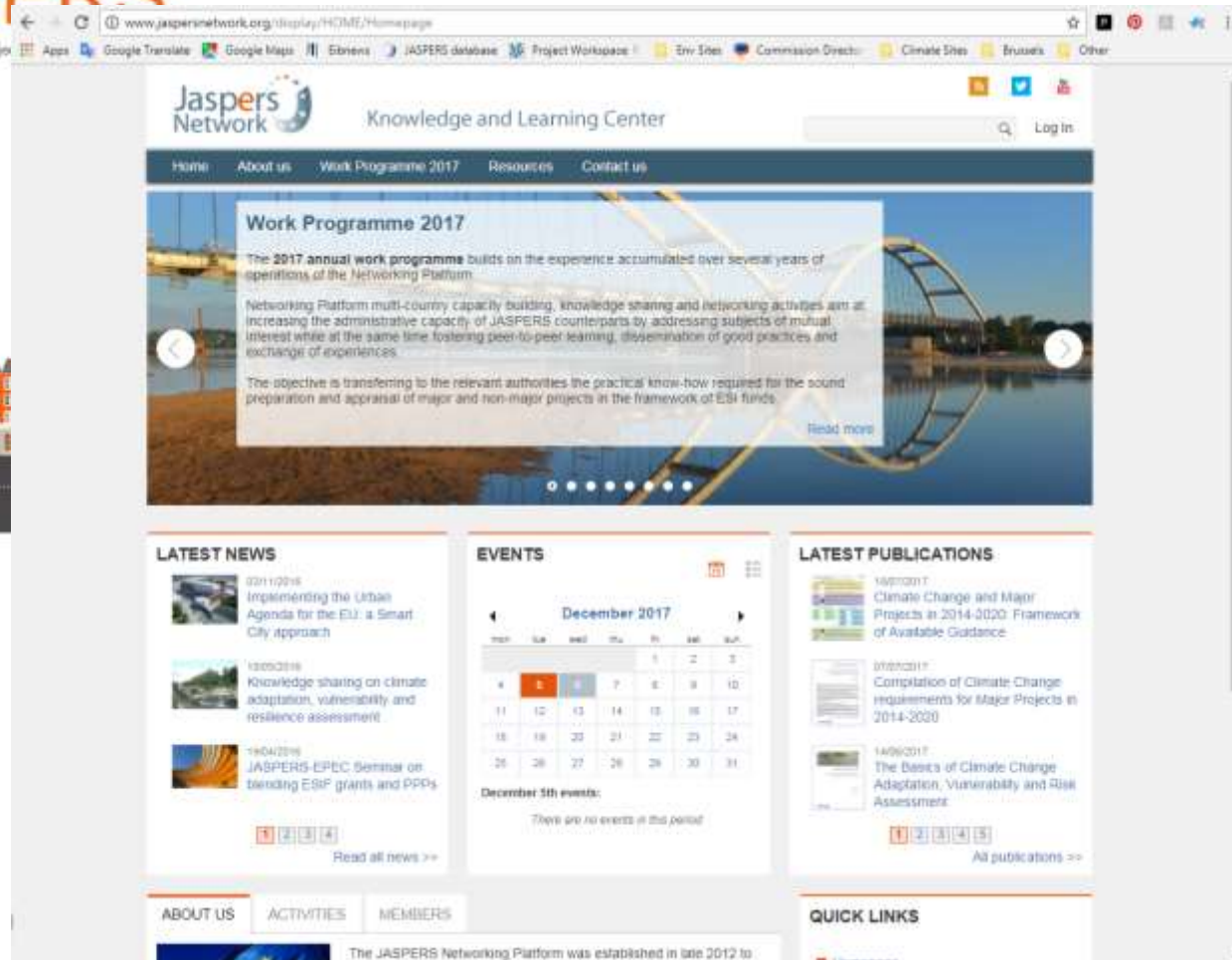
Hands-on advice and guidance in the preparation of projects, with upstream involvement.

Supporting the integration of climate change considerations into project development

JASPERS Websites



jaspers.eib.org



JASPERS Network Knowledge and Learning Center

Home About us Work Programme 2017 Resources Contact us

Work Programme 2017

The 2017 annual work programme builds on the experience accumulated over several years of operations of the Networking Platform.

Networking Platform multi-country capacity building, knowledge sharing and networking activities aim at increasing the administrative capacity of JASPERS counterparts by addressing subjects of mutual interest while at the same time fostering peer-to-peer learning, dissemination of good practices and exchange of experiences.

The objective is transferring to the relevant authorities the practical know-how required for the sound preparation and appraisal of major and non-major projects in the framework of ESI funds.

[Read more](#)

LATEST NEWS

- 2017/016 Implementing the Urban Agenda for the EU: a Smart City approach
- 2016/016 Knowledge sharing on climate adaptation, vulnerability and resilience assessment
- 19/04/2016 JASPERS-EPIC Seminar on blending ESF grants and PPPs

[1](#) [2](#) [3](#) [4](#) [Read all news >>](#)

EVENTS

December 2017

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December 5th events:
There are no events in this period.

LATEST PUBLICATIONS

- 14/01/2017 Climate Change and Major Projects in 2014-2020: Framework of Available Guidance
- 07/01/2017 Completion of Climate Change requirements for Major Projects in 2014-2020
- 14/06/2017 The Basics of Climate Change Adaptation, Vulnerability and Risk Assessment

[1](#) [2](#) [3](#) [4](#) [5](#) [All publications >>](#)

ABOUT US ACTIVITIES MEMBERS

QUICK LINKS

The JASPERS Networking Platform was established in late 2012 to

www.jaspersnetwork.org

Guidance Documents

Relevant Adaptation Guidance



DG Climate Action – **Climate Change and Major Projects** ([link](#))

JASPERS Guidance – **The Basics of Climate Change Adaptation Vulnerability and Risk Assessment** ([Networking Platform Website](#))



DG Climate Action – **Non-Paper** – Guidelines for Project Managers – Making Vulnerable Investments Climate Resilient ([link](#))



EUFIWACC – Integration of Climate Change Information and Adaptation in Project Development ([link](#))



DG Regional Policy – Guide to **Cost Benefit Analysis** of Investment Projects ([link](#))



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