Jaspers
Joint Assistance to Support Projects in European Regions

Climate Change Adaptation: Vulnerability and Risk Assessment and the Resilience of Major Infrastructure Projects

Brussels, 7-8 June 2016

European Investment Bank
European Bank

Jaspers
Joint Assistance to Support Projects in European Regions

Summary of Previous Networking Platform Events and Results from Questionnaire

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European Investment Bank The EU bank
European Bank Reconstruction and Development

Previous Events

- **Seminar on Climate Change Requirements for Major Projects in the 2014-2020 Programming Period – September 2015**
- **Workshop on Climate Change Adaptation, Risk Prevention and Management in the Water Sector – October 2014**
- Workshop on Best Practices in Flood Risk Management – September 2013
- Workshop on the Baltic Region experience with Climate Change adaptation – October 2012

October 2014

Workshop on Climate Change Adaptation, Risk Prevention and Management in the Water Sector

- Aims:
  - Risk management and climate change adaptation projects;
  - Ex-ante conditionality National / Regional Risk Assessment;
- Outcomes:
  - Adaptation is Not an Add on
  - Good engineering and design standards are not enough
  - Further Case Study Examples and Sharing Experience

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September 2015

Seminar on Climate Change Requirements for Major Projects in the 2014 – 2020 Programming Period

- Aims:
  - Presentation of Requirements
  - Mitigation and Adaptation, with Examples
- Outcomes:
  - Integration into Project Planning is Key
  - Follow up events required

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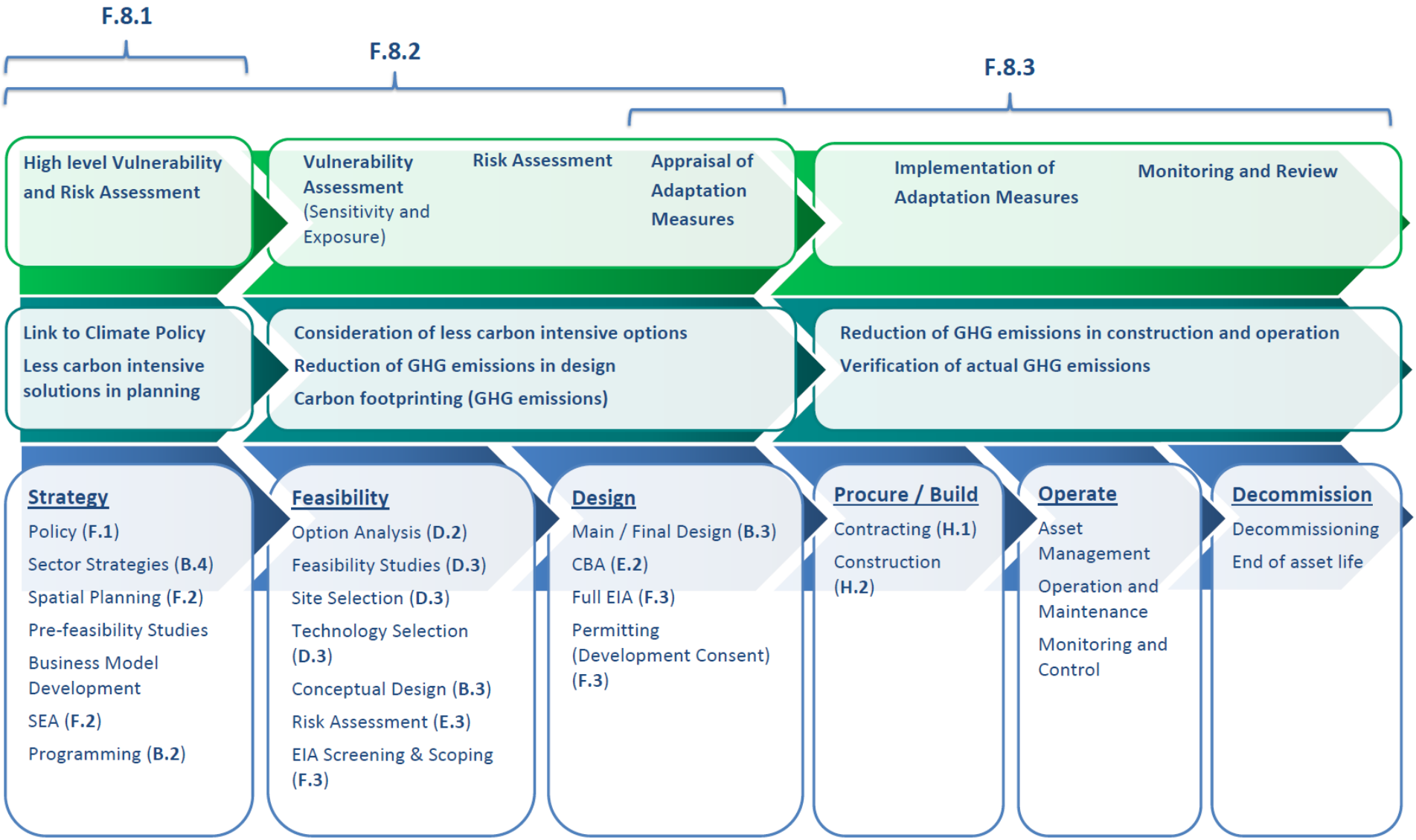
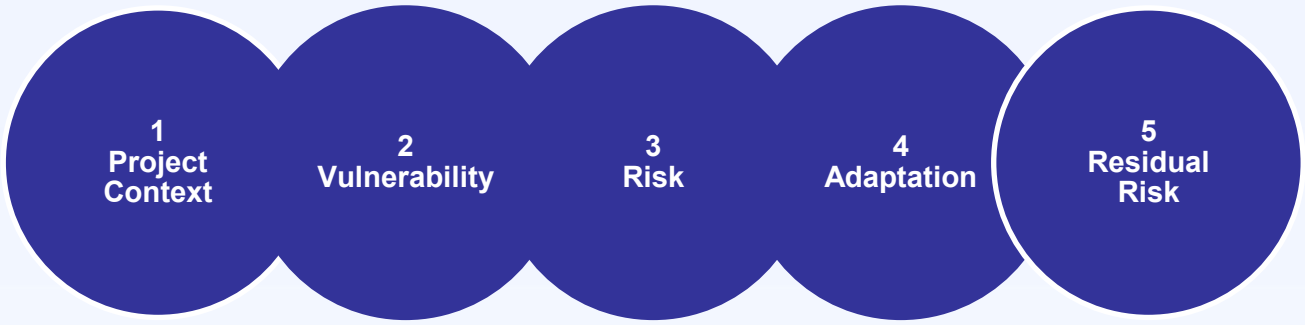
Major Project Requirements

- **Consistency with Climate Policy**
  - EU 2020 Strategy Targets
  - National and/or Regional Adaptation Strategy
  - Climate Financing
- **Evaluation of GHG Emissions / Carbon Footprint**
  - How was it undertaken / Methodology
  - What were the results / Footprint and cost
- **Adaptation Vulnerability and Risk Assessment**
  - How was it undertaken / Methodology
  - What were the results / Adaptation Measures

Integration into Project Development



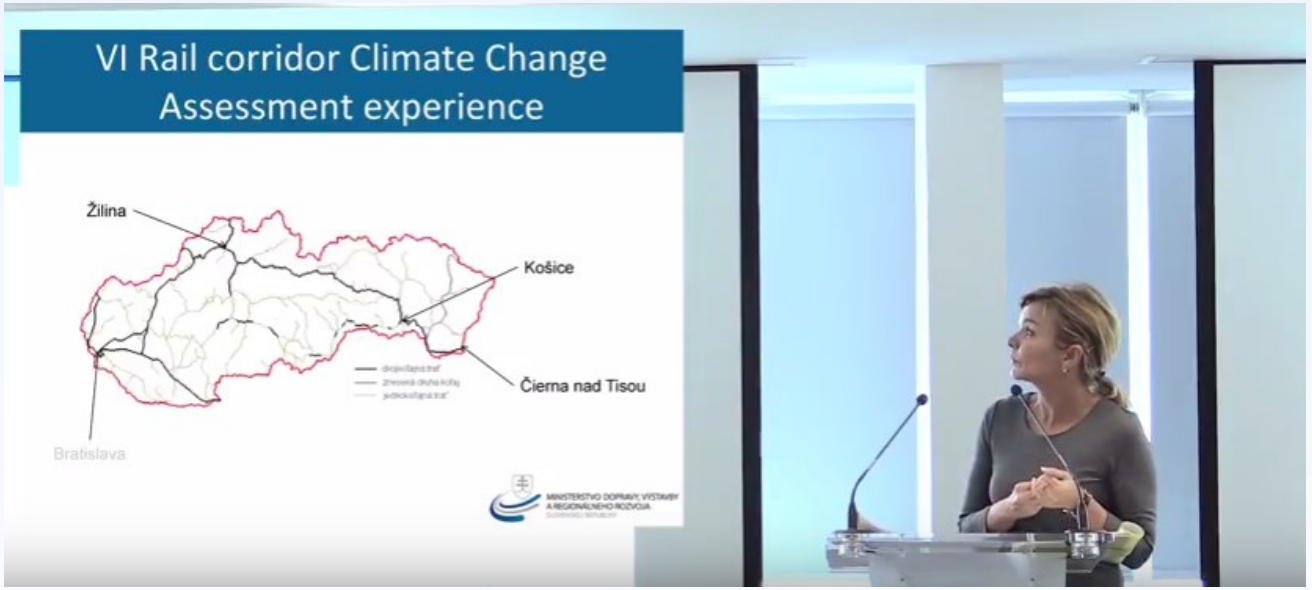
Vulnerability and Risk Assessment

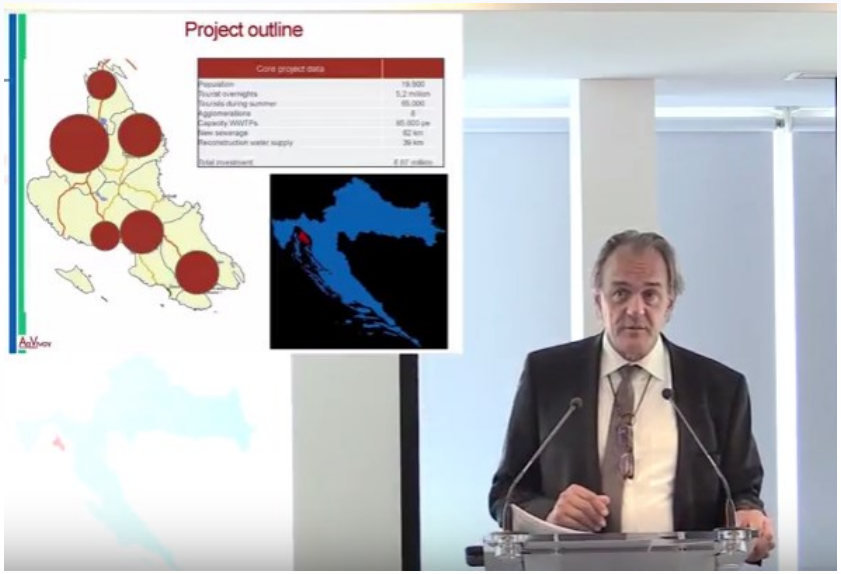


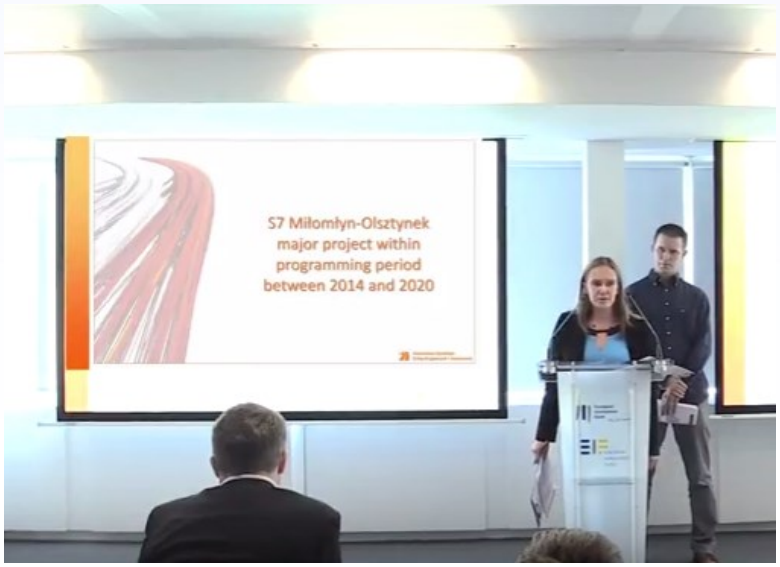
- Basic Principle = identify which climate hazards the project is vulnerable to, assess the level of risk and integrate adaptation measures to reduce that risk to an acceptable level.

- Based on sound data and forecasts
- Covering current climate variability and future climate change
- Demonstrate clear and logical thinking

Case Study Examples



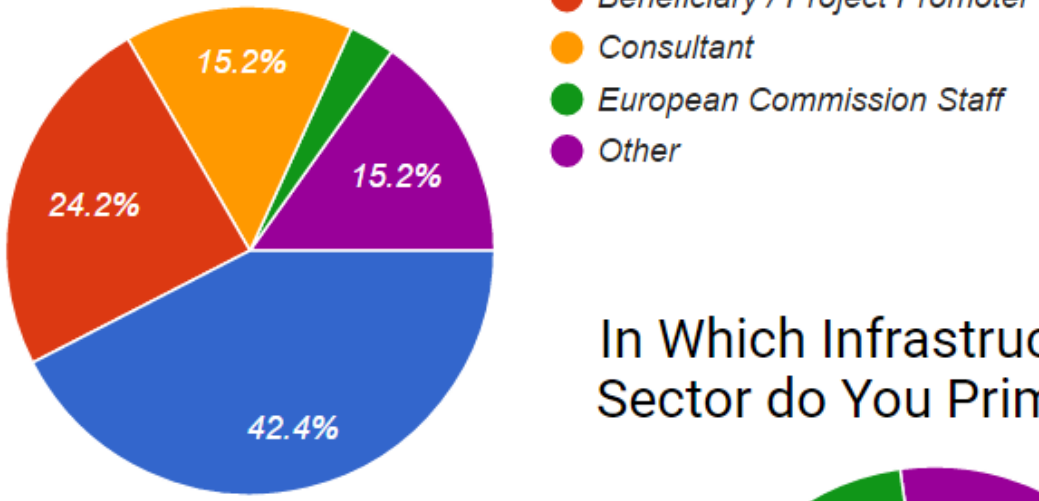




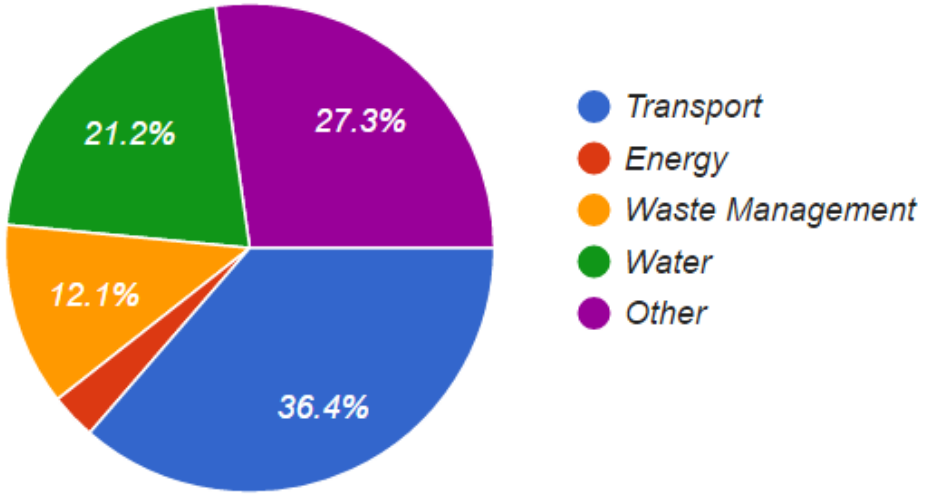
Results of the Questionnaire

Questionnaire – Background

What is Your Area of Work / Role?

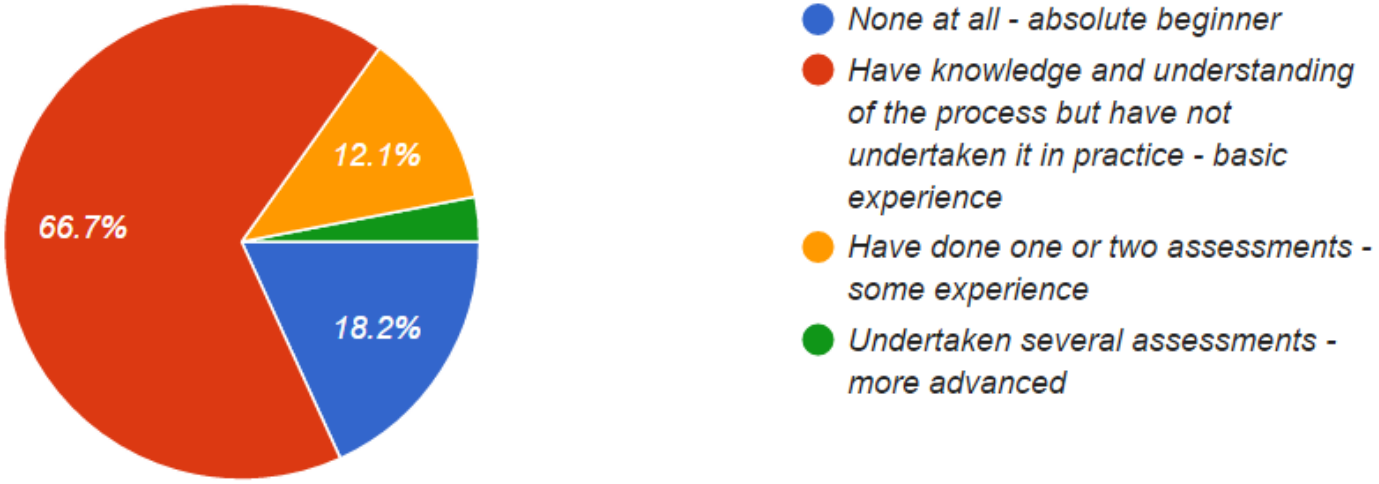


In Which Infrastructure Sector do You Primarily Work?

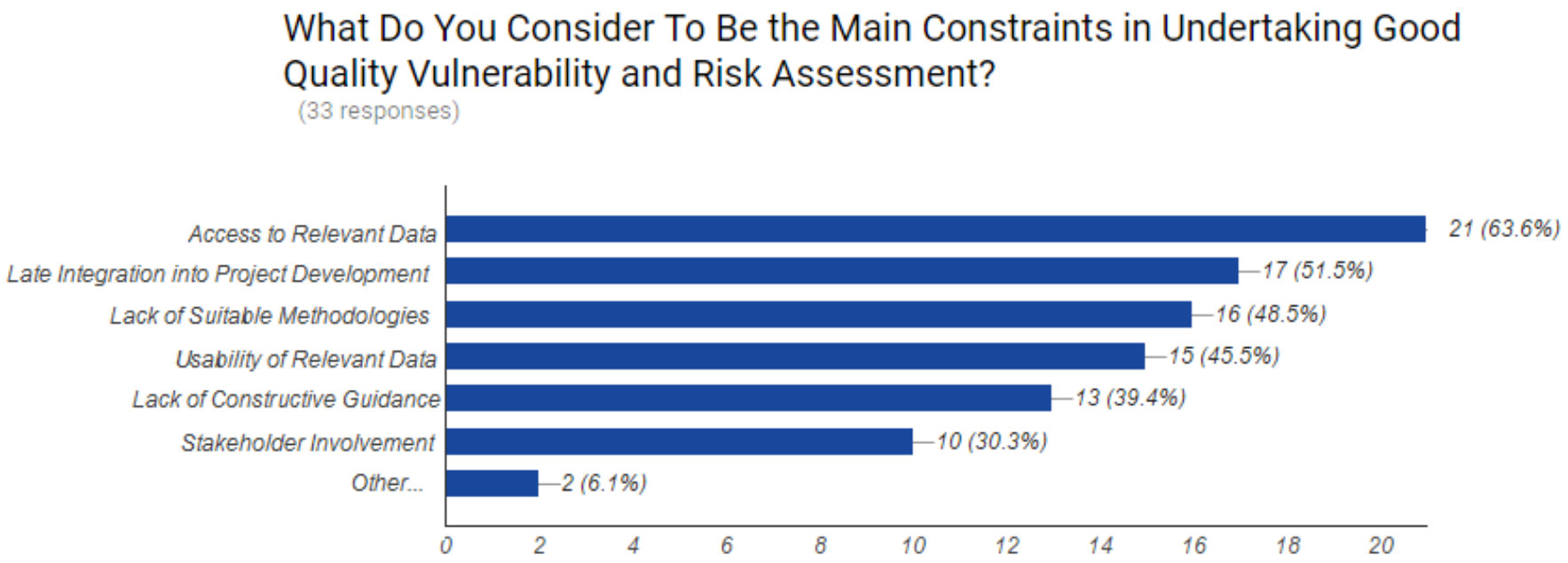


Questionnaire – Experience

What Level of Experience of Climate Adaptation : Vulnerability and Risk Assessment Do You Have?



Questionnaire – Constraints



Questionnaire – Expectations

The Event…

Addressing the Issues:

- **Case Study Examples**
  - 5 Presentations covering: Water, Flood Management, Rail, Ports, Thermal Power Generation, and Roads. Across Europe and further afield.
- **Data:**
  - Climate ADAPT
- **Guidance:**
  - EUFIWACC Paper
  - DG CLIMA Fact Sheet
- **Methodologies:**
  - EIB Review of Climate Screening Approaches

Next Steps…

- **Follow up from the Event**
  - Summary today and tomorrow
  - Actions to take forward

- **Launching Study of Main Barriers to Implementing Climate Adaptation in Infrastructure Projects**
  - Barriers
  - Solutions

- **Feedback from Member States**
  - What are the main issues you are facing, related to climate change and project development?
  - What areas do you need support with?




For info or further questions on this seminar and the activities of the JASPERS Networking Platform, please contact:

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