

Title of case study	Adaptation of Railways to Climate Change (ARISCC)
Name of organization(s)	International Union of Railways (UIC)
Business sector	Transport and Logistics
Region(s) relevant to case study	<input type="checkbox"/> All regions <input type="checkbox"/> Africa and the Arab States <input type="checkbox"/> Asia and the Pacific <input type="checkbox"/> Caribbean and Central America <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Least Developed Countries <input type="checkbox"/> North America <input type="checkbox"/> Polar regions <input type="checkbox"/> Small Island Developing States <input type="checkbox"/> South America
Country(s) relevant to case study	France (UIC headquarters)
Adaptation sector(s) relevant to case study	<input type="checkbox"/> Business <input type="checkbox"/> Education and training <input type="checkbox"/> Food security, agriculture, forestry and fisheries <input type="checkbox"/> Human health <input type="checkbox"/> Oceans and coastal areas <input type="checkbox"/> Science, assessment, monitoring and early warning <input type="checkbox"/> Terrestrial ecosystems <input type="checkbox"/> Tourism <input checked="" type="checkbox"/> Transport, infrastructure and human settlements <input type="checkbox"/> Water resources <input type="checkbox"/> Other (please specify):
Adaptation activity	<p>The UIC has undertaken an extensive feasibility study analyzing the impacts of climate change on rail transportation infrastructure and taking stock of ongoing and planned work on climate change adaptation in European, Canadian, Australian and Indian railway companies, including case studies of the UK West Coast and the German Rhine Valley. This led to the development of the Adaptation of Railway Infrastructure to Climate Change (ARISCC) project, which provides information on the costs of adaptation, risk assessments,</p>

	<p>potential damages, a toolbox for identifying vulnerable assets and locations for a given line, a good practices collection and options for adopting standards to climate-proof new and existing infrastructure to climate change impacts.</p> <p>ARISCC focuses on an integrated management of weather and climate related natural hazards such as flooding, severe storms, landslides, rock fall and avalanches in a way that keeps and improves railway infrastructure performance and avoids or minimizes damage to railway infrastructure assets. It starts with natural hazard management under today's weather conditions and develops solutions and strategies to prepare for the changed weather and climate conditions of the future.</p>
<p>Cost-benefit</p>	<p>UIC's members (200 railways worldwide) can save money by using ARISCC tools and resources to incorporate information about future climatic conditions into today's investment decisions.</p>
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