



## The IMPACT2C web-atlas

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Understanding a climate change of 2° C, and the corresponding impacts, risks and adaptation in Europe, as well as key vulnerable hot spot regions is the mission of the EU FP7 project IMPACT2C.

The IMPACT2C community decided to present the project results in a common publication in the form of an atlas. As the projects refer to each other and are logically connected, a printout version alone of the atlas might be in danger of underrepresenting the internal networking of all results. Therefore, the projects additionally aim to establish a web-based version, which allows for direct links to related and following topics.

The aim of the atlas (web- and print version) is to show climate and environmental change under a 2° C mean global temperature rise. This will include climate change impacts and vulnerabilities maps - on a pan-European level and specific topics for hot spot regions (Bangladesh, Maldives, West-Africa).

Bringing the content of the particular scientific areas into a common context and framework is the atlas's mission. We want the results to help serve Climate Risk management for Europe. IMPACT2C comprises a model chain from climate models, impact models and assessment models. Using the climate scenarios following the RCP-scenarios, the project uses harmonized socio-economic assumptions to ensure that the sector assessments are aligned to the 2° C scenario for the impacts and adaptation analyses.

For the web-atlas a specific technical concept has been created, which allows the community to manage and show their results in a common defined design. This comprises an automatic data-import into data archive system for the IMPACT2C partners. In an intermediate step a Web-Map-Service system handles the map contents and allows additional features which are based on geo-referenced applications. Finally a content management system brings texts, maps and graphs into a user-friendly format which will be accessible for different individual devices such as smartphones, tablets and the usual desktops.

Interactivity will be granted for surfing between the contents, map and different chart sizes. The web-atlas is explicitly not a web-processing tool. The IMPACT2C Web-Atlas tool serves for two tasks. First, it allows the information providers a provider-friendly accumulation, linkage, visualization and review of their scientific content. Secondly, the users receive a user-friendly tool for understanding impacts, risk and adaption under a 2° C warmer climate.