

SUMMARY

This report describes the development of the Climate Portal for Flanders as it was completed in May 2018. The Climate Portal for Flanders is developed on behalf of the Flemish Environment Agency to make climate information (geo)graphically available to Flanders in a user-friendly way with the main aim to bring together all fragmented climate information into one portal. The Climate Portal for Flanders includes information about climate situation (historical/actual and scenario's up till 2100), climate effects (heat, flooding, sea level rise and drought) and climate impacts (for example affected people or economic damage). This climate information is useful to identify the areas in Flanders that are most vulnerable to climate change. The information can be used by various organisations to elaborate the (local) adaptation policy. The portal is in particular aimed to support local authorities to develop a local adaptation plan. In that way, the Climate Portal for Flanders contributes to the implementation and monitoring as agreed within the scope of the European Covenant of Mayors (Policy Letter on Environment 2017-2018 submitted by Minister Joke Schauvliege, SD 8. OD 56).

The report describes the different components of the portal. It illustrates what information is used in the portal, how and why this information is used as well as how the information can be consulted. The first chapter explains the assumptions that are at the basis of the Climate Portal for Flanders. These assumptions are coming from user needs as well as from the comparative evaluation of existing climate portals abroad. Furthermore, the structure of the portal is explained.

Then, each of the climate themes is introduced by explaining the related climate effects, climate impacts and the data that are used in the portal and, where relevant, what the source of the data was or how these were derived. For each theme, a final overview is also given with the most important conclusions that can be drawn from the thematic data and the underlying research and data analyses.

Two chapters provide a technical substantive overview of the Climate Portal for Flanders, how the portal has been set up and how it can be operated. An overview of the portal's technical architecture at the main level is provided. In addition, the most relevant functionalities of the Climate Portal for Flanders, and in particular of the 'Maps and figures' application, have been developed. This provides a good basis for exploring and operating the various parts of the Climate Portal for Flanders.

This report concludes with the most important conclusions regarding the establishment of the Climate Portal for Flanders, the data analyses carried out and the data and information ultimately made available.

