

Project Number 282910

ÉCLAIRE

**Effects of Climate Change on Air Pollution Impacts and Response
Strategies for European Ecosystems**

Seventh Framework Programme

Theme: Environment

D21.1. Initial scenario guide as an updatable, internal web-page

Due date of deliverable: **31/3/2012**

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Start Date of Project: **01/10/2011**

Duration: **48 months**

Organisation name of lead contractor for this deliverable :
IIASA

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Project co-funded by the European Commission within the Seventh Framework Programme		
Dissemination Level		
PU	Public	<input type="checkbox"/>
PP	Restricted to other programme participants (including the Commission Services)	<input checked="" type="checkbox"/>
RE	Restricted to a group specified by the consortium (including the Commission Services)	<input type="checkbox"/>
CO	Confidential, only for members of the consortium (including the Commission Services)	<input type="checkbox"/>

1. Executive Summary

In order to guide ÉCLAIRE project participants on the selection of appropriate and, as much as possible, harmonized scenario data, a web page has been established operating within the ÉCLAIRE web site (<http://www.eclair-fp7.eu/scenario>). This site hosts meta-information on scenarios considered most suitable for ÉCLAIRE, and detailed instructions on how to obtain the full information.

Access to these “recommended” scenario datasets is provided for anthropogenic emissions, meteorology, and for land use, respectively. Downscaling from global models will allow to arrive at a spatial resolution better than the 0.5°x0.5° used globally. Results are available in time intervals of at least five years until 2050 and provide also information beyond – ideally data also for 2100 will be created for all datasets.

The ÉCLAIRE scenario team intends to trace further scientific developments throughout the project duration and provide ÉCLAIRE participants with up-to-date information on how to access scenario data. We will even provide the respective access protocol. Thus the document is meant to be continuously updated and in the original living as a web page. The current paper version just represents a link to that document.

Considering the data flows in ÉCLAIRE, recommendations at a certain time will be “frozen” – while further progress in science still will be documented on the web page such improvement will not anymore be regarded fit for ÉCLAIRE, as it would harm the potential for harmonized results. Ideally, all final scenario-based results of ÉCLAIRE would be derived from the identical set of “recommended” scenarios.

2. Implementation:

The entrance level to the web page is presented in Fig. 1. It is accessible at <http://www.eclaire-fp7.eu/scenario> after login as a user to the ÉCLAIRE homepage. Entrance level as well as more detailed information will be accessible only for registered users throughout the project duration. There are currently no plans to release this data to users outside of the project.

More details, specifically regarding the three sets of information to be made available from here have been made accessible via specific links. Also, e-mail addresses of the scenario team are given who collaborate to compile the information required.

While the version number will change over the course of the project, previously released (and recommended) scenario datasets will continue to be maintained (unless discontinued from the original data provider) only earmarked “outdated”,

The screenshot shows the entrance level to the ÉCLAIRE scenario web-page. The page layout includes a header with the 'éclaire' logo, the project title 'Effects of climate change on air pollution impacts and response strategies for European ecosystems', and the 'SEVENTH FRAMEWORK PROGRAMME' logo. A navigation menu on the left lists various sections: Home, About (+), Research Activities (+), Deliverables (+), Partners (+), Sites, Project Documents and Files, Data (+), Meetings (+), Jobs/Research, Gender action, and Young Scientists Forum (+). Below the menu is a search bar with a 'Go' button. The main content area features the 'ECLAIRE SCENARIO GUIDE' with 'View' and 'Edit' buttons. The guide text explains the purpose of the web page, provides an introduction, specific guidance, emission scenarios, meteorological scenarios, land use scenarios, and references. It also includes contact information for team members: Wilfried Winiwarter (winiwarter@iiasa.ac.at) – emission scenarios and coordinating scenario team; Magnuz Engardt (Magnuz.Engardt@smhi.se) – meteorological scenarios and downscaling; Adrian Leip (adrian.leip@rc.ec.europa.eu) – land use scenarios; and Clare Howard (cbritt@ceh.ac.uk) – link to ECLAIRE coordination team. The footer contains the copyright notice '© 2011 ECLAIRE'.

Fig. 1: Screenshot of entrance level to ÉCLAIRE scenario web-page