

**Project Number 282910**

**ÉCLAIRE**

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

**Seventh Framework Programme**

**Theme: Environment**

**D21.8 ECLAIRE Data Portal**

Due date of deliverable: **01/04/2011**

Actual submission date: **01/04/2011**

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

Duration: **48 months**

Organisation name of lead contractor for this deliverable :  
**NERC Centre for Ecology & Hydrology (CEH)**

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

## 1. Executive Summary

The data portal was created and deployed within 6 months of the start of the project. It undergoes updates and improvements as and when necessary.

It is accessible from <http://www.eclaire-fp7.eu/>, by clicking the “data” tab in the left-hand column

This reveals links to “Databases”, “Database Guides”, “ECLAIRE database and data management news”, “Gap-filling

In addition, a “modelling” section can be accessed from <http://www.eclaire-fp7.eu/>, by clicking the “Modelling” tab in the left-hand column.

This gives an option to view the guides to “Scenarios”, with further links to “INTRODUCTION”, “SPECIFIC GUIDANCE”, “EMISSION SCENARIOS”, “METEOROLOGICAL SCENARIOS”, “LAND USE SCENARIOS”, “REFERENCES”

and to view the document for “Modelling and uncertainty protocols across components C1-5”

## 2. Objectives: (for this deliverable)

To establish a single data portal, to harmonize and make available spatial data and model output, and to provide easy, secure upload and data access facilities for the field and laboratory measurements.

## 3. Activities:

The data portal was established to (i) provide news and information to the ÉCLAIRE community, (ii) provide a single entry site for all data, (iii) ensure that all data and model output are easily uploadable, QA checked, and accessible to the ÉCLAIRE community during the project's lifetime, and (iv) to ensure that IPR and security measures are in place for when the data are released to the public domain.

## 4. Results:

Data Portal created: <http://www.eclaire-fp7.eu/node/70>

### a. Data Portal entry from ECLAIRE website and link to databases

The screenshot displays the ECLAIRE website interface. At the top, the logo 'éclaire' is prominent, followed by the tagline '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 site sections like Home, About, Research Activities, Deliverables, Partners, Sites, Bibliography, Dissemination, Data, and ECLAIRE Databases. The main content area is titled 'ECLAIRE DATABASES LINKS' and includes buttons for 'View', 'Edit', and 'Grant'. It provides instructions on requesting database log-in usernames and lists links for the CEH and JRC databases. Status updates indicate that CEH data is currently being uploaded, with some available for WP10 and WP11, and WP1 data to be uploaded within the next 3 months. JRC data is also being uploaded to an ACCESS database, with WP9 metadata and the ACCESS database available by the end of April 2013. A search bar at the bottom left shows the search term 'SUSAN\_OWEN'.

b. ECLAIRE database and data management news page and links

The screenshot shows the ECLAIRE website interface. At the top left is the 'éclaire' logo with the tagline 'Effects of climate change on air pollution impacts and response strategies for European ecosystems'. The top right features the 'SEVENTH FRAMEWORK PROGRAMME' logo. A navigation menu on the left lists various site sections like Home, About, Research Activities, Deliverables, Partners, Sites, Bibliography, Dissemination, Data, Meetings, Jobs/Research, Gender Action, Young Scientists Forum, Modelling, Measurements, and Periodic Reporting. Below the menu is a search bar and a user profile for 'SUSAN\_OWEN' with options like 'Content', 'Create content', 'Document Manager', 'Forum', 'My account', 'Jobs/Research', 'User List', 'Administer', and 'Log out'. The main content area displays a notification: 'Page ECLAIRE Database and Data Management news has been updated.' Below this are 'View', 'Edit', and 'Grant' buttons. The page title is 'ECLAIRE DATABASE AND DATA MANAGEMENT NEWS'. The content includes:
 

- Your Data Management Team contact details are [here](#)
- Problems? comments? suggestions? issues? [email the Data Management team on eclairedata@ceh.ac.uk](#)
- The CEH database is now deployed. You can access it by [clicking here](#).

 A note states: 'All WP leaders should be contacting Sue Owen ([susa@ceh.ac.uk](mailto:susa@ceh.ac.uk)) as soon as possible if they have data to upload'. A section titled '10th May 2013 Latest News:' follows, with sub-sections for 'ECLAIRE Component 1, WP1.4 Bosco Fontana data', 'ECLAIRE Component 1, time series data', 'ECLAIRE Component 3, WP10 and WP11', 'ECLAIRE Component 3, WP9', and 'ECLAIRE Component 3, WP9' (repeated). The page concludes with a link to the 'IPC database'.

c. ECLAIRE Data Policy and Data Management Plan links

The screenshot shows the ECLAIRE website interface for the 'ECLAIRE DATA POLICY AND DATA MANAGEMENT PLAN' page. The layout is consistent with the previous screenshot, including the logo, navigation menu, search bar, and user profile for 'SUSAN\_OWEN'. The main content area features a title 'ECLAIRE DATA POLICY AND DATA MANAGEMENT PLAN' and two links: 'Click [here](#) to download the ECLAIRE Data Policy' and 'Click [here](#) to download the ECLAIRE Data Management Plan'. The left navigation menu includes a section for 'ECLAIRE Databases' with sub-items like 'ECLAIRE Database guides', 'ECLAIRE Database and Data Management news', and 'ECLAIRE Data Policy and Data Management Plan'.

d. ECLAIRE gap-filling guide link

**éclaire** Effects of climate change on air pollution impacts and response strategies for European ecosystems

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### GAP-FILLING

ECLAIRE modellers will require some gap-filling in time series data where instrument failure etc may have left gaps. These data will be indicated in the data templates to be used for recording measurement data. Please [click here](#) to download the ECLAIRE simple gap-filling protocol (adopted from the NitroEurope project)

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e. ECLAIRE guide to modelling and uncertainties link

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### MODELLING AND UNCERTAINTY PROTOCOLS ACROSS COMPONENTS C1-5

Agreement on common modelling and uncertainty protocols across components C1-5. Please [click here](#) to download the document.

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## f. ECLAIRE guide to scenarios



**éclaire** Effects of climate change on air pollution impacts and response strategies for European ecosystems

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## ECLAIRE SCENARIO GUIDE

This web page guides ECLAIRE project participants to appropriate and consistent scenario information. Access to a respective "recommended" scenario dataset is provided for anthropogenic emissions, meteorology, and for land use. Downscaling from global models will allow to arrive at a spatial resolution of at least 0.5°x0.5° for Europe. 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 ECLAIRE scenario team intends to trace further scientific developments throughout the project duration and provide ECLAIRE participants with up-to-date information on how to access scenario data. We will even provide the respective access protocol.

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

[INTRODUCTION](#)

[SPECIFIC GUIDANCE](#)

[EMISSION SCENARIOS](#)

[METEOROLOGICAL SCENARIOS](#)

[LAND USE SCENARIOS](#)

[REFERENCES](#)

This web page also constitutes ECLAIRE deliverable D21.1, meant to be continuously updated.

Most recent update: October 3, 2012 – updates daily meteorological data

This is web page version 1.2; the next version will be expected after the "Workshop on Global Nitrogen Scenarios in the 21st Century", October 11-12, 2012.

Please feel free to contact any member of the scenario team in case of specific questions:

Wilfried Winiwarter ([winiwarter@iiasa.ac.at](mailto:winiwarter@iiasa.ac.at)) – emission scenarios and coordinating scenario team

Magnuz Engardt ([Magnuz.Engardt@smhi.se](mailto:Magnuz.Engardt@smhi.se)) – meteorological scenarios and downscaling

Adrian Leip ([adrian.leip@jrc.ec.europa.eu](mailto:adrian.leip@jrc.ec.europa.eu)) – land use scenarios

Clare Howard ([cbritt@ceh.ac.uk](mailto:cbritt@ceh.ac.uk)) – link to ECLAIRE coordination team

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**5. Milestones achieved:**

Milestone M105

**6. Deviations and reasons:**

none

**7. Publications:**

n/a

**8. Meetings:**

Several in-house meetings of the CEH ECLAIRE DM group.

**9. List of Documents/Annexes:**

n/a