Cross Compliance Assessment Tool

CROSS-COMPLIANCE ASSESSMENT TOOL

Policy-oriented research:
Scientific support to policies SSP

Specific Targeted Research Project (STREP)

Deliverable(s): 5.5:
User manual for the analytical assessment tool for the impacts of CC

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Authors of this report and contact details

Name:	*Partner acronym*
Janneke Roos-Klein Lankhorst	*Alterra*
Foppe Bouma	*LEI*
Igor Staritsky	*Alterra*

Name: Janneke-Roos Klein Lankhorst
Address: Droevendaalsesteeg 3, 6700 AA Wageningen
Email: Janneke.Roos@wur.nl

Name : Foppe Bouma
Address : Burgemeester Patijnlaan 32, Den Haag
Email: Foppe.Bouma@wur.nl

Disclaimer:

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Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	X
CO	Confidential, only for members of the consortium (including the Commission Services)	

Contents

Glossary of terms and acronyms

CC	Cross Compliance
CC standards	SMR and GAEC standards implemented under the Cross Compliance policy between 2005 and 2009.
CCAT	Cross Compliance Assessment tool. It is the acronym of the project and also the name of the integrated assessment tool delivered by the project.

Summary

This manual contains the instructions for using the viewers version of the analytical assessment tool for the impacts of CC. It shows how the end user may view meta data on the scenarios, choose another comparison scenario, how to view indicator meta data and results (in tables and maps), and how to view documents and presentations produced in the project.

1   Introduction

One of the main objectives of the CCAT project was to make an interactive computer application to estimate the effects of a variety of Cross Compliance (CC) measures in terms of agricultural markets, producer's income, consumer's welfare, land use, soil, water, air, climate, biodiversity and landscapes, as well as food safety, animal welfare and health.

The CCAT Final Tool connects the existing core models Capri and Miterra and processes information on Cross Compliance measures, including assumed levels of implementation, compliance and cost. It also translates expert knowledge on potential effects on Biodiversity and Landscape into maps. In addition, it contains two meta models derived from the environmental models of Epic and DNDC, which are solely used for comparison with Miterra.

The CCAT Final Tool has been delivered in two user types: end users and researchers.

o *End users* or *viewers* can investigate the results of predefined scenarios and have the possibility to extract information from these scenarios to Word, Excel, etc. They do not have the possibility to change and/or rerun these scenarios, nor have the possibility to define and create additional scenarios. End users however will have insight from within the tool in most documents and presentations and also some relevant input data.

o *Researchers* can create and define new scenarios by inheriting from existing scenarios, can run those new scenarios and investigate the results. Researchers will also have insight in all relevant input data.

This manual contains the instructions for using the *viewers* version of the analytical assessment tool for the impacts of CC, to be used by *end users*. The manual for the research version will be available at LEI, The Netherlands, but is not required for the version that will be delivered to the European commission (Deliverable 5.4).

This manual focuses on the use of the tool, not on the technical details and the contents of the tool. For technical details we refer to the Technical description (Deliverable 5.6). Information on the contents can be found in Deliverable 2.8 and all other reports that have been produced in the project, which can be found in the tool under the menu item "Documents".

2 Downloading, installing and starting the CCAT tool

The application of the CCAT tool can be downloaded from the CCAT website
http://www.ccat.nl/UK/ by clicking on menu item <u>CCAT Tool</u>, and then on
<u>Download the CCAT Tool</u>:
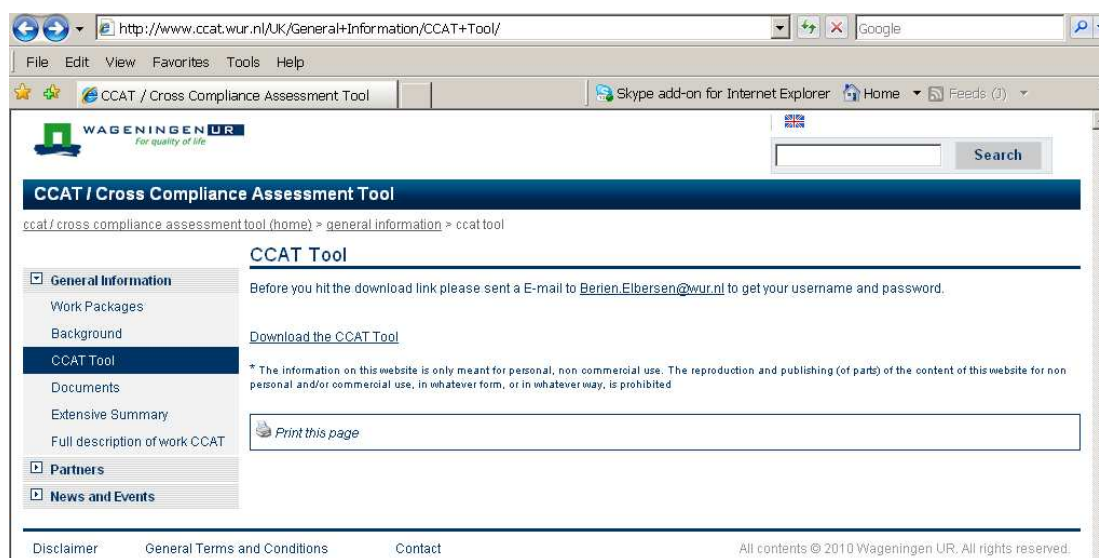
The application can be found in the form of a zipped file called VIEWER.zip. This
zipfile must be unzipped in a directory named **CCAT** under a drive, e.g. **C:**. After
unzipping the application can be found in the directory:

C:\CCAT\VIEWER\GamsTools\GsePro.exe.

By double clicking on this file the application starts.

3 The different functions of the CCAT tool

After clicking starting the application (see chapter 2) the following opening screen will be presented, indicating the different functions of the tool.
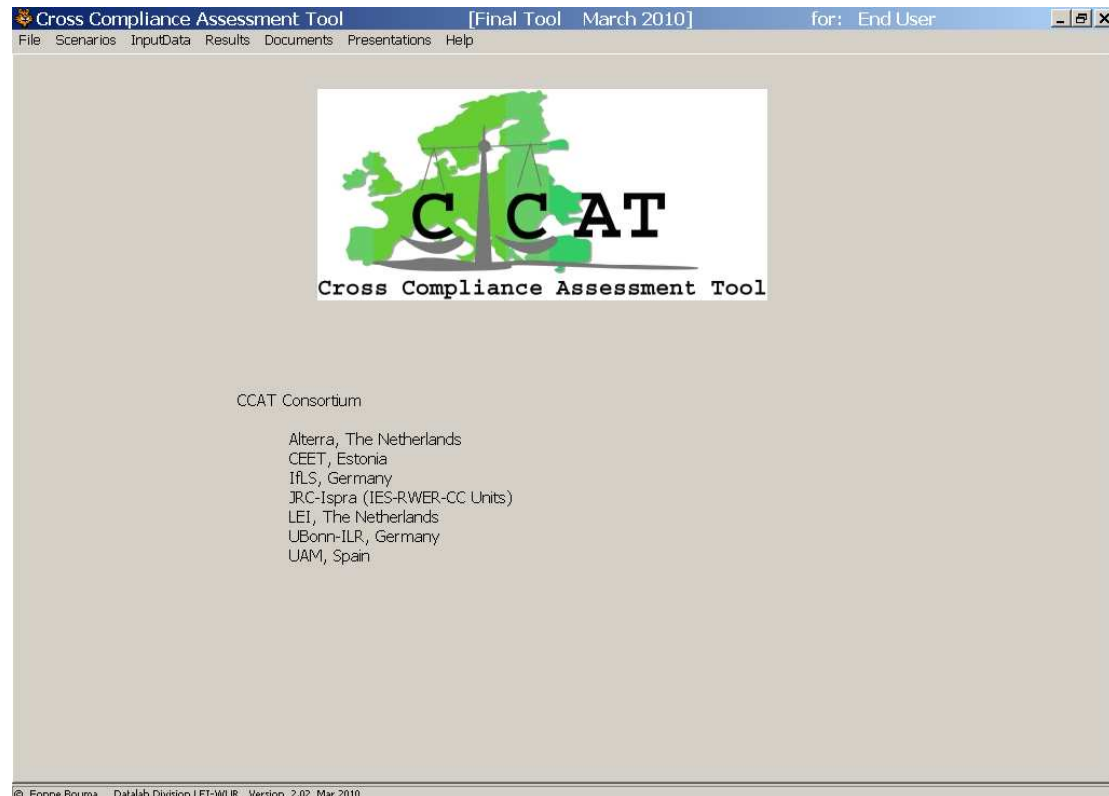
For the end user the following functions are relevant:

- **Scenarios**: to view information on the scenarios and to choose a comparison scenario

- **InputData**: to view relevant input data

- **Results**: to view all results in tabular form or in maps, and to view meta data of the indicators

- **Documents**: to view relevant documents that have been produced in the project

- **Presentations**: to view relevant power point presentations that have been produced in the project

4   Scenarios

If the user clicks on the menu item <u>Scenarios</u>, the following screen appears.
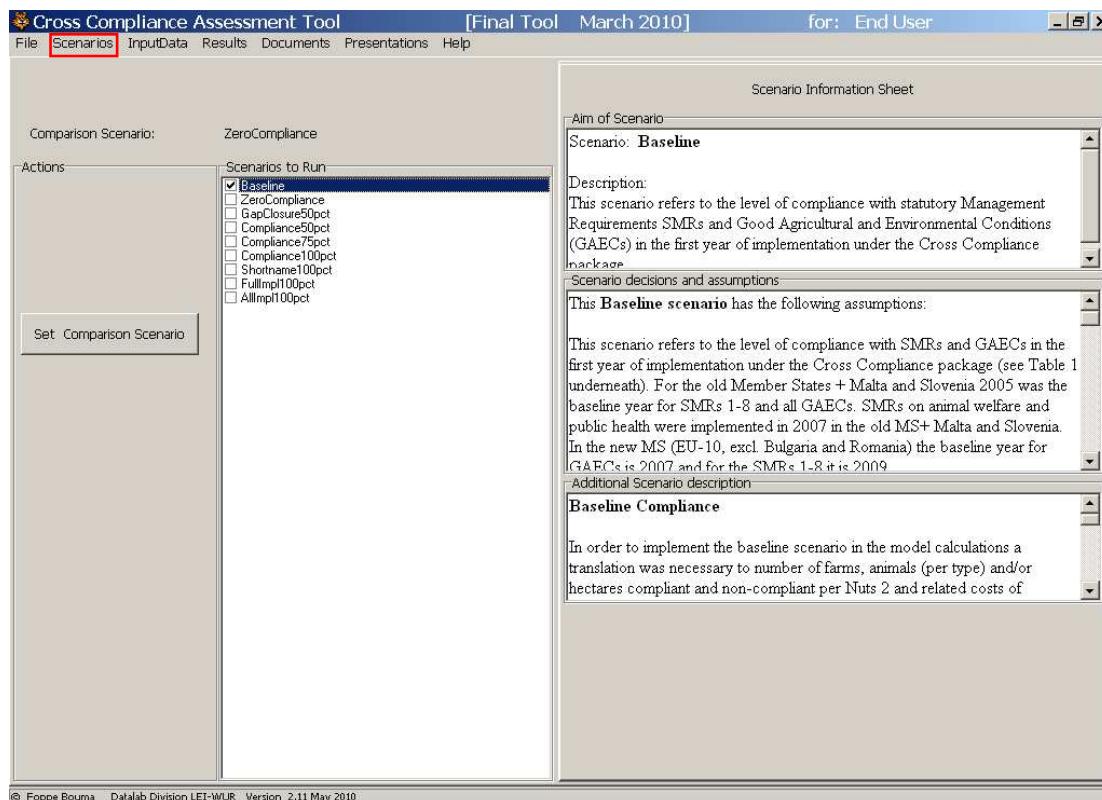
By clicking on a scenario name, a description of the scenario will be shown in the right part of the screen.

With "Set comparison Scenario" the user may change the scenario with which the results of the other scenarios will be compared when viewing the results.
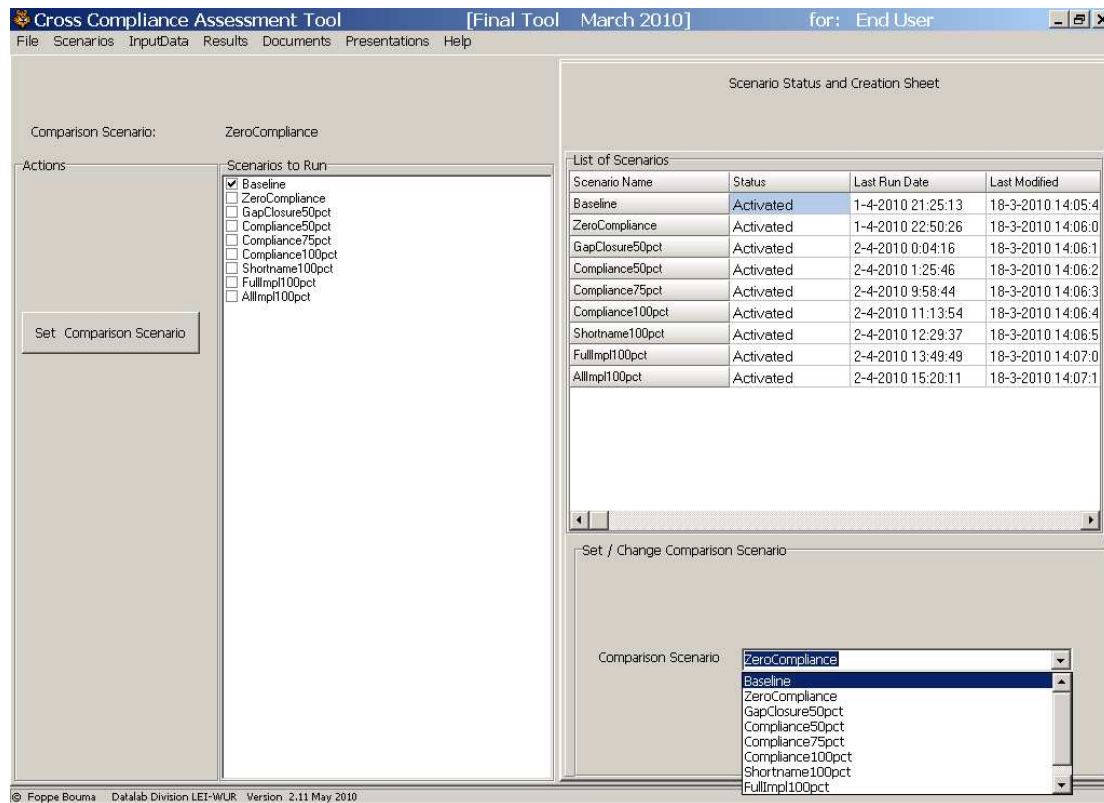
By default the "Zero compliance" scenario is the comparison scenario. For more information on the scenarios we refer to chapter 2 of Deliverable 2.8.
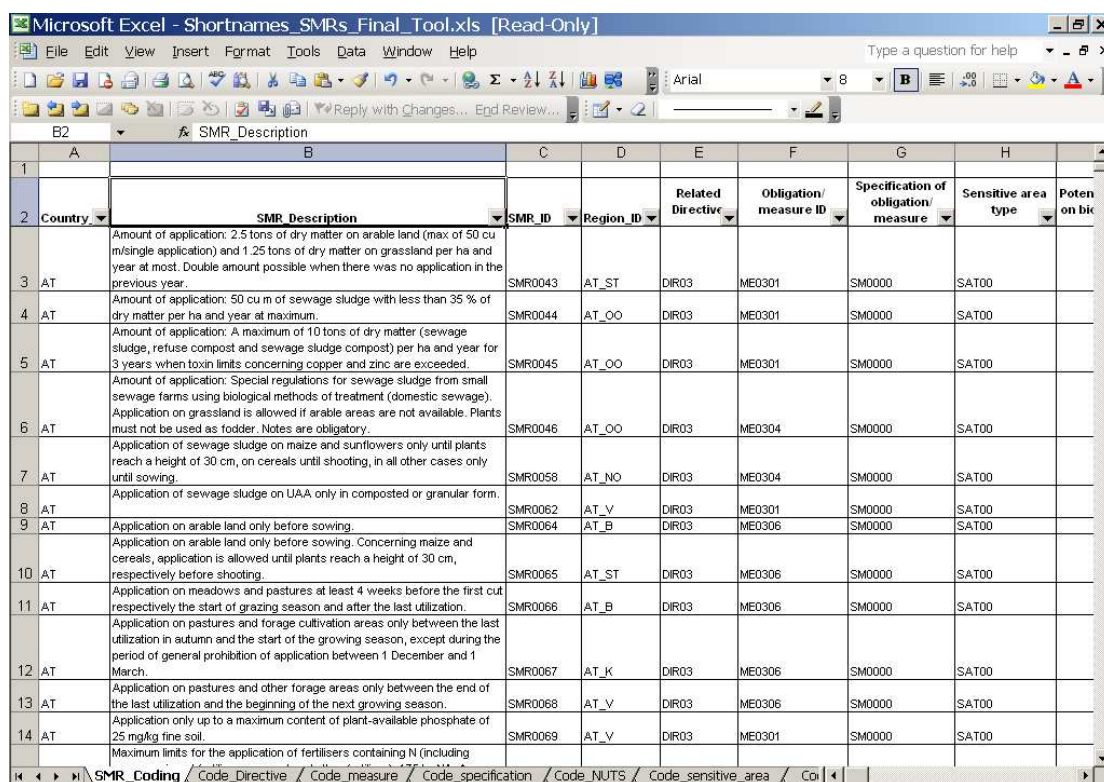
Scenarios cannot be changed, added and run in the viewers version.

5 InputData

The end user is able to look into a part of the InputData, namely the SMR and GEAC Database containing the coding and description characterising the national standards and obligations (see par 2.2 of D2.8).

By clicking on e.g. the menu item SMR Coding_table Microsoft excel is started and shows the relevant coding table.

The database also contains the Directive and Measure code definitions, which can be accessed directly via the menu items, or by clicking on the relevant excel sheets in the database: **Code_Directive** and **Code_measure:**

The database also contains the assumed potential impacts of the obligations on Biodiversity and Landscape per region (see chapter 3.3 of D2.8).

	A	B	J	K
1				
2	Country	SMR_Description	Potential effect on biodiversity	Potential effect on landscape
170	AT	Prohibition of intential removal, damage or destruction of animals according to Annex II/FHH Directive and native bird species and their habitats in NATURAL AREAS.	3	-1
171	AT	Prohibition of intentional damage to or destruction of breeding sites and refuge areas of birds. This is valid for all landscape elements over 2 m wide which are connecting with UAAs.	5	2
172	AT	Prohibition of intentional damage to or removal of nests and other breeding sites.	3	-1
173	AT	Prohibition of intentional damage to or removal of nests or breeding sites of protected animals.	3	-1
174	AT	Prohibition of intentional damage to or removal of nests or breeding sites of protected birds.	3	-1
175	AT	Prohibition of intentional damage to, removal or destruction of protected plant species.	3	-1
176	AT	Prohibition of intentional disturbing, hunting, catching or killing of protected birds.	3	-1
177	AT	Prohibition of intentional disturbing, hunting, catching or killing protected birds.	3	-1
178	AT	Prohibition of intentional picking, collecting, cutting, digging out or destruction of protected plants.	3	-1
179	AT	Prohibition of intentional removal, damage to or destruction of clutches of protected birds.	3	-1
180	AT	Prohibition of intentional removal, damage to or destruction of clutches or nests of protected birds.	3	-1
181	AT	Prohibition of interference in natural bodies of water.	2	2
182	AT	Prohibition of interference in natural bodies of water.	2	2
183	AT	Prohibition of interventions in habitats of animals endangered by extinction.	3	-1
184	AT	Prohibition of mowing reed between 15 March and 30 September.	2	1
185	AT	Prohibition of permanent intervention in moorland, swamps, spring areas, surface water and bank areas of natural or semi-natural standing water.	2	2

SMR_Coding / Code_Directive / Code_measure / Code_specification / Code_NUTS / Code_sensitive
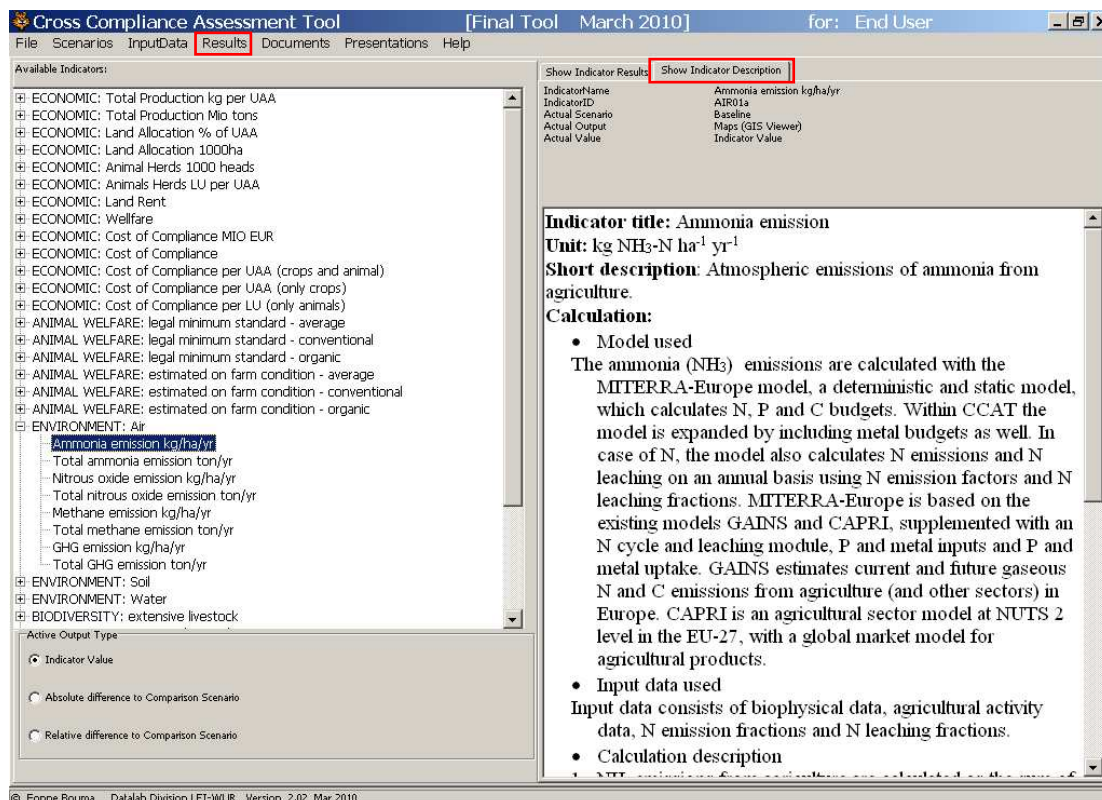
6   Results

The results of the CCAT tool can be viewed in the form of tables or maps.

The best way to view the data is with the GIS viewer, because then maps as well as detailed data can be viewed. After choosing this menu item a list of indicators is shown in the left side of the screen. Since there are many indicators they are first shown in groups.

For each (group of) indicator(s) an indicator description can be viewed that gives information on the way the indicator or group of indicators has been calculated. By clicking on an indicator name (e.g. Ammonia emission) and then on the menu item Show Indicator Description (in the right part of the screen), meta data is shown of the selected indicator.

By clicking on the menu item Show Indicator Results (on the right side of the screen) the following screen appears.

On the right side of the screen the scenario can be selected, and in the lower left part you can choose between the indicator value in the selected scenario, or the absolute or relative difference of the selected scenario to the comparison scenario (default ZeroCompliance).
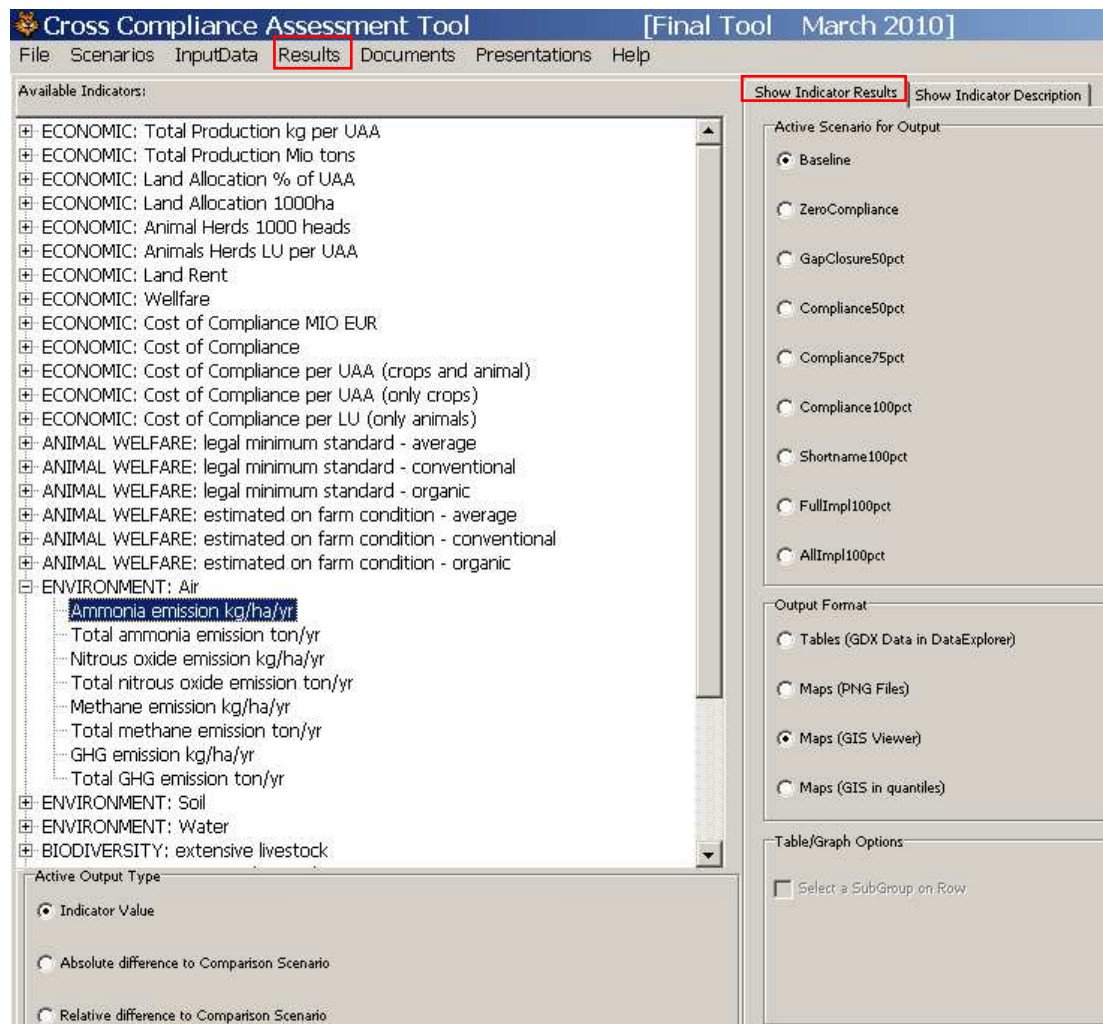

The options Show Indicator Results/Info can also be activated with the right mouse button, and one can reduce the indicator list to only groups (Collaps All) or show all single indicators in the list (Expand All) and show/hide indicator IDs:

After selecting the option Maps (GIS Viewer) (this is already selected when this option has been selected earlier) and the indicator to be viewed, a separate application will be started automatically (the GISviewer) showing the results in a map in the main viewing area….

6.1 Viewing maps

In the example below the indicator value of Ammonia emission in kg N per year are shown for the baseline scenario, in the form of a map.
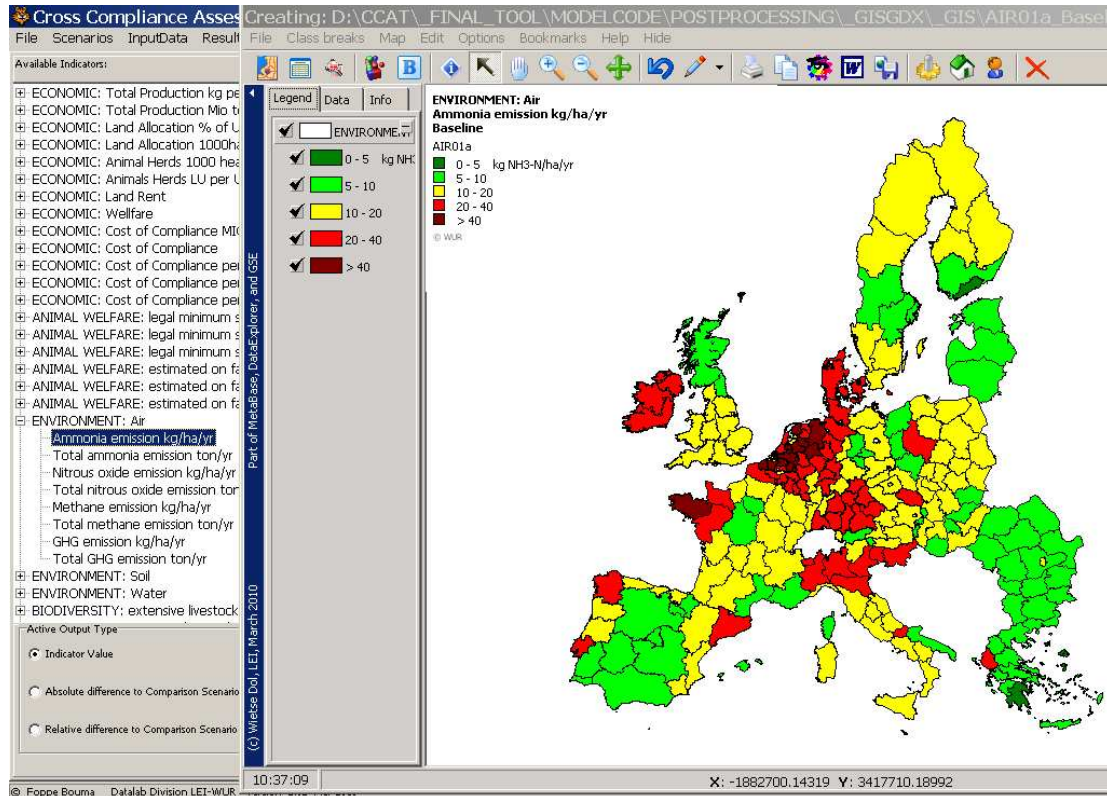
By clicking on "i" (of "information") and then on a region (e.g. UKM) the region blinks and the value of the indicator of the selected region is highlighted in yellow:
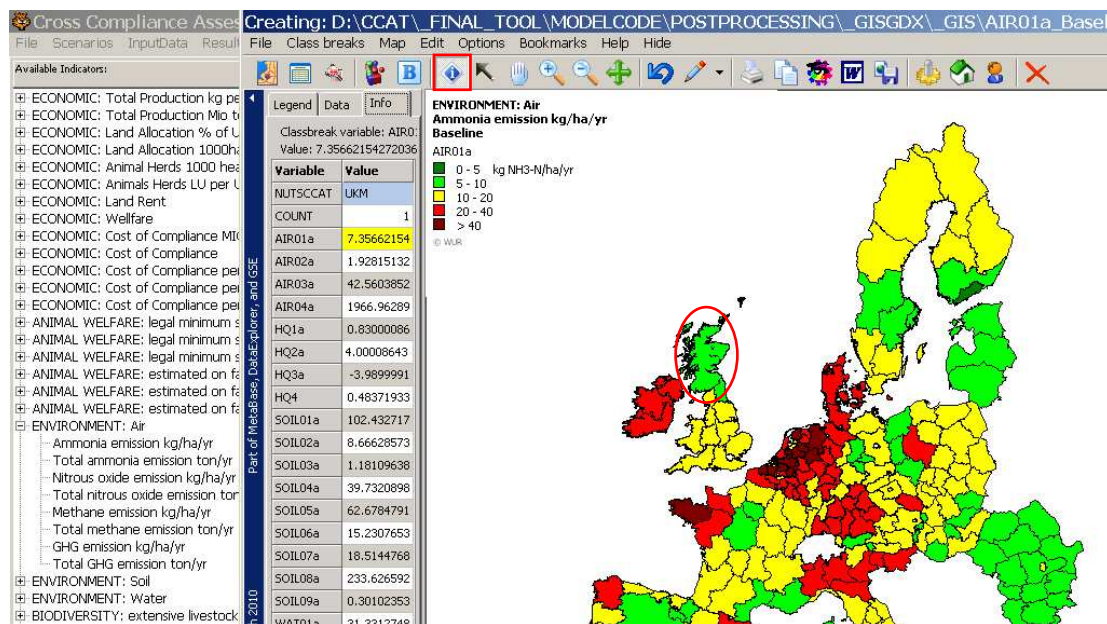
By selecting the <u>Data</u> menu item, a group of data (e.g. environmental) can be viewed in tabular form within the GIS Viewer:
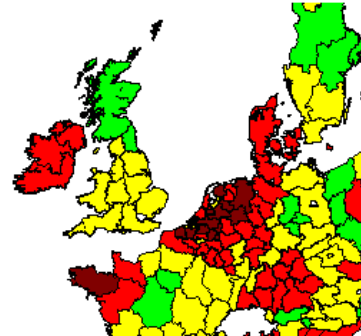

By selecting the option <u>Absolute difference To Comparison Scenario</u> (in the Results screen), a map appears showing e.g. the values of Compliance 100pct - Baseline:

While viewing <u>Data</u> one can - with the right mouse button - e.g. highlight an area, zoom in on a selected area and sort the columns (see pop up menu above).

Cross Compliance Assessment Tool

Other functions of the GIS Viewer are:

Change class bounderies	Move map	Zoom in	Zoom out	Cancel Zoom	Undo

Creating: D:\CCAT\VIEWER_FINAL_TOOL\MODELCODE\POSTPROCESSING_GISGDX_GIS\
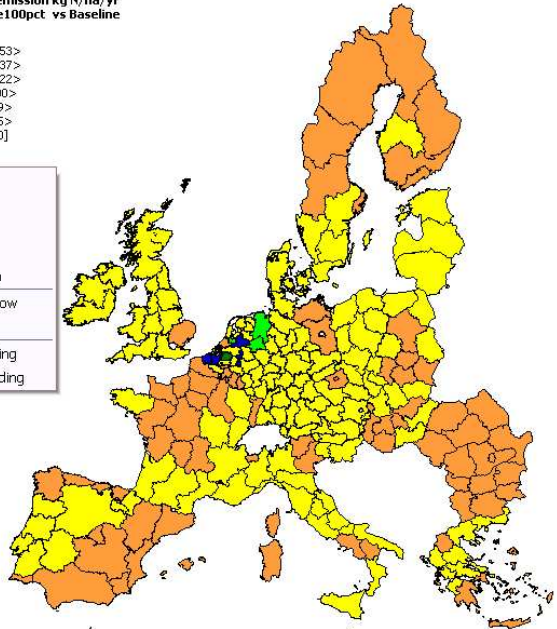
File   Class break   Map   Edit   Options   Bookmarks   Help   Hide

Legend   Data   Info

ENVIRONMENT: Air □ Ammonia emission

ENVIRONMENT: Air
Ammonia emission kg N/ha/yr
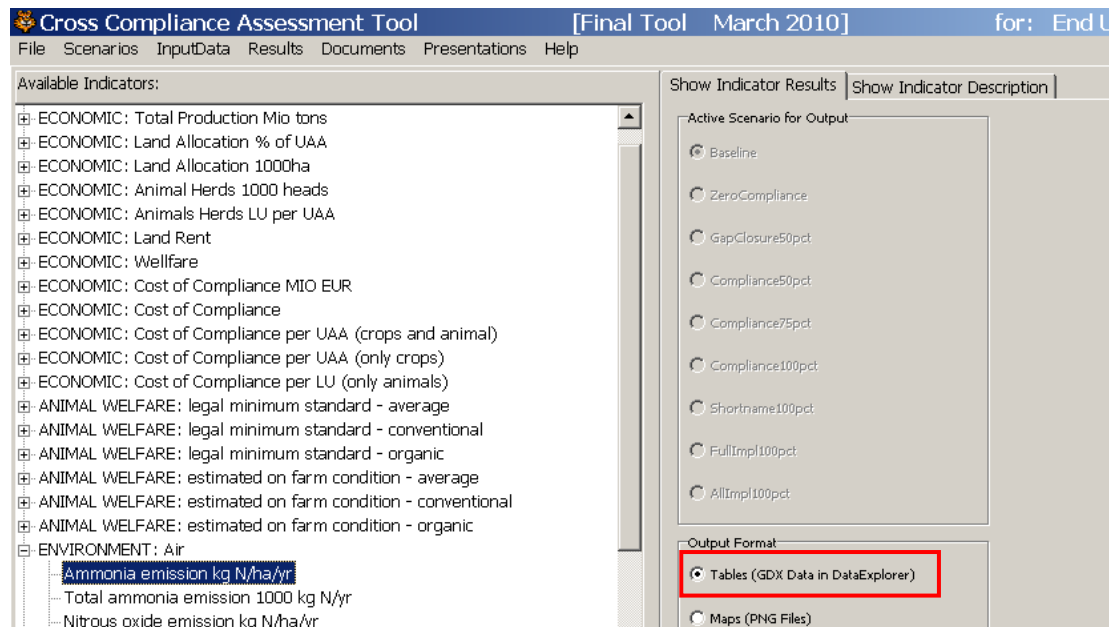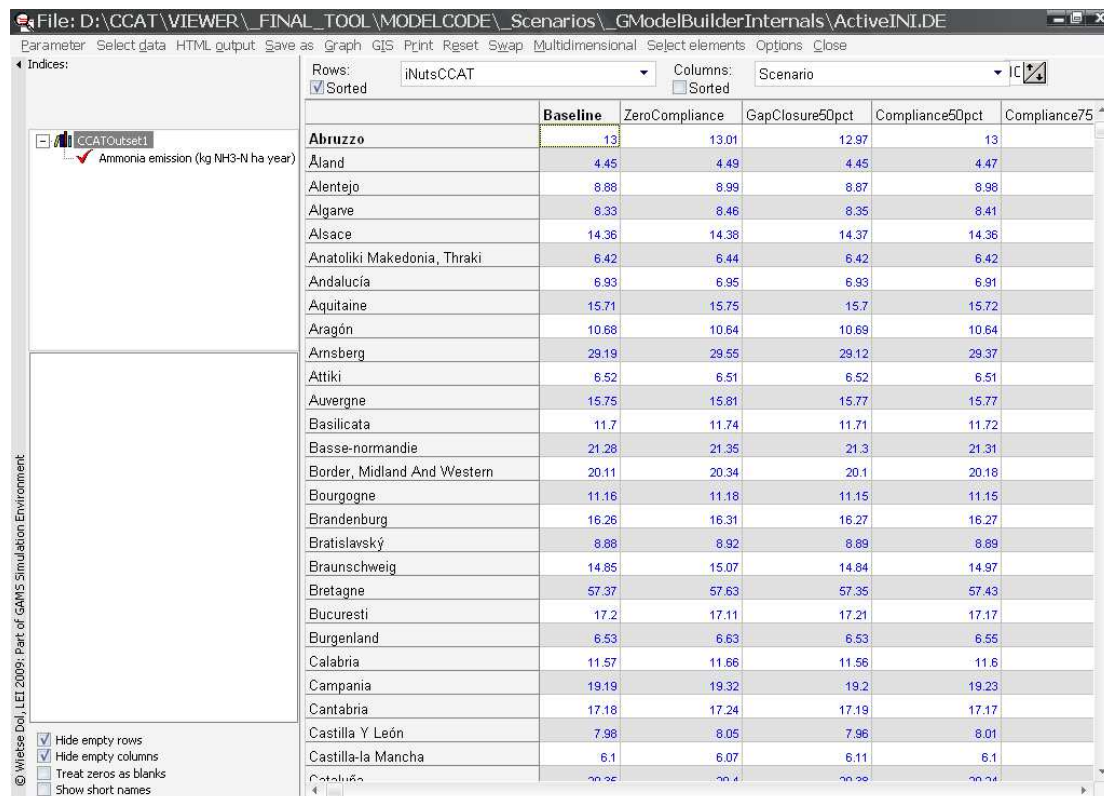Baseline

Print	To clip board	Save as graphic	Copy to MS word	Save as HTML	Help: GIS-viewer tutorial	Close the GIS viewer

Save As

Save in: My Documents

Belastingdienst
Bluetooth Exchange Folder
CyberLink
Hema Album Software Advanced
My Maps
My Music
My Oce Printer Driver Templa
My Pictures
My Scans
My Videos
roos005 on L0113361

Picture:

(None)

File name:

Save as type: PNG image (*.png)

Bitmap (*.bmp)
JPEG (*.jpg)
Enhanced Metafile (*.emf)
GIF image (*.gif)
PNG image (*.png)

Save   Cancel

(c) Wiet

GIS-viewer; a tutorial

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Introduction
Starting the session
Changing the appeara
Some manipulations

HOME   PREV   NEXT

Metabase: GIS-viewer
Introduction

Introduction

This tutorial will provide you the basic skills to make maps in the GIS-tool of MetaBase. It is possible to follow the tutorial in a step-wise manner to create a map, but is also useful as reference once the user is more acquainted with the GIS-viewer. Furthermore, this tutorial can be used as a support in courses for the new user.

The starting point for this tutorial is the first step in map-making –either in the GIS-tool or in the Data Explorer – to choose map an link the map to the data you wish to display. The next step is to divide the classes, which also includes some fine-tuning regarding colors and naming. Saving the data and saving the map is handled in the end of this tutorial as is some changes in the appearance of the map like magnifying and moving the map on the screen.

Additional help-tools are the wizard, which is recommended for the first-time user and the quick reference guide, which is recommended for the more advanced user.

The user should be aware that this is not an advanced GIS-tool. If the idea is to make more than a basic map one might need more advanced tools and should ask a GIS-professional for help.

6.2   Viewing tables
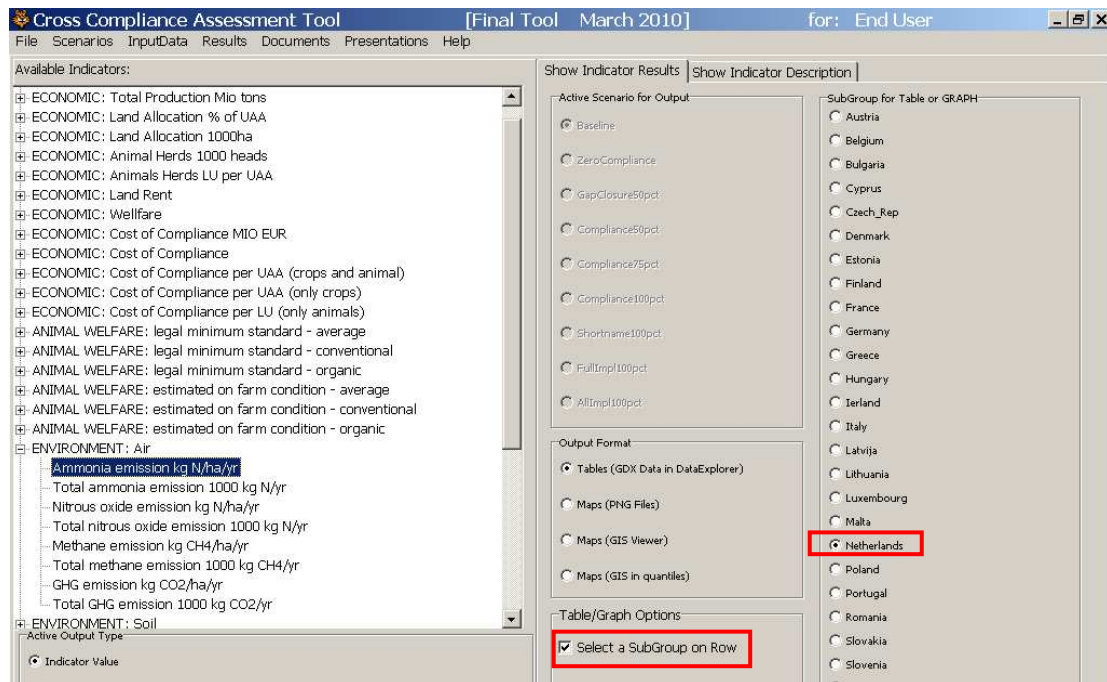
When selecting the Tables view in the Results screen:

a separate application (Data explorer) will be started automatically, showing all values of the selected indicator:

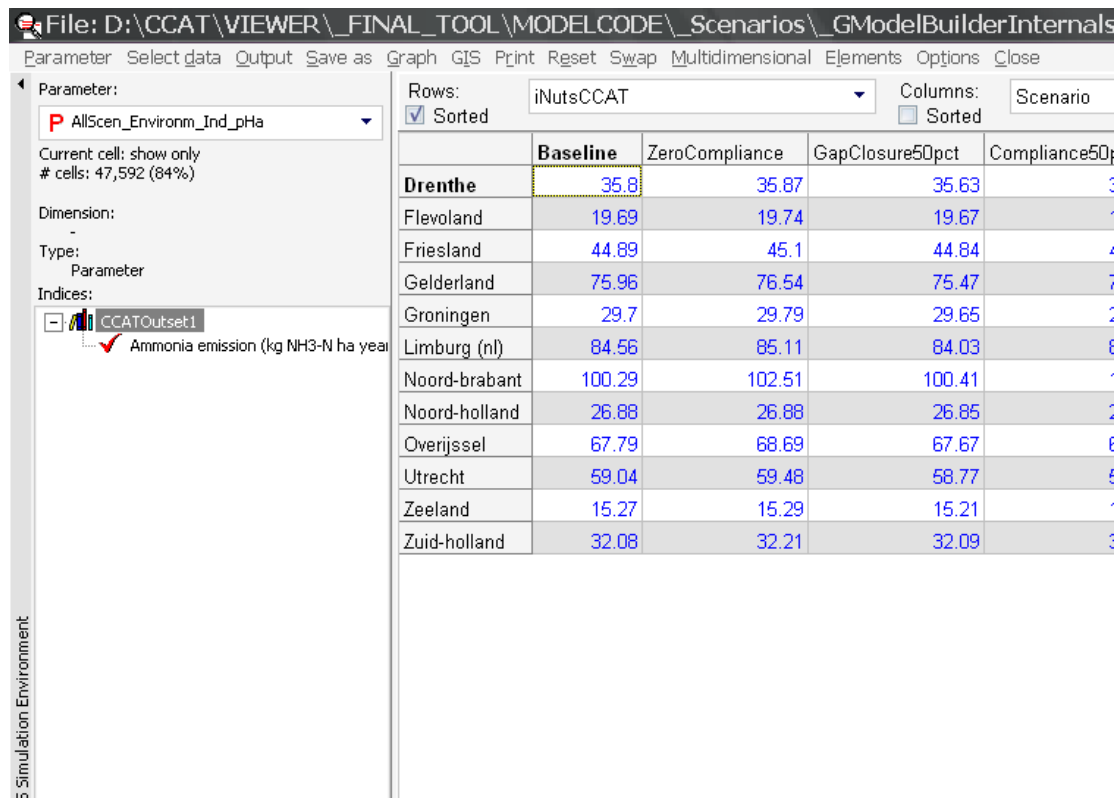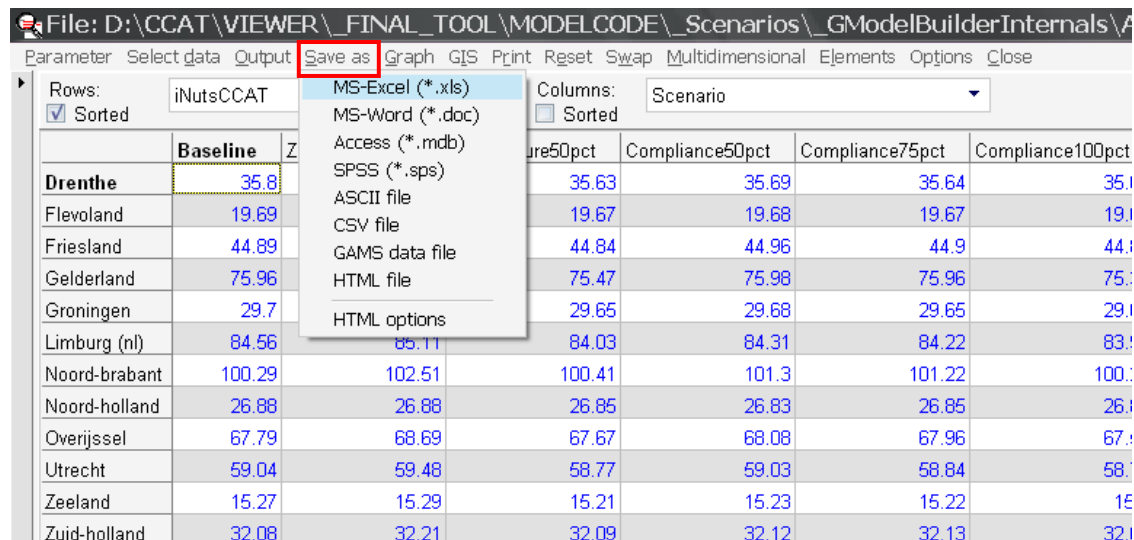After selecting the Table/Graph option <u>Select SubGroup on Row</u> the member states appear on the right side of the screen:

After selecting a member state and an indicator, the DataExplorer starts automatically, showing the data of the selected member state in tabular form:

By clicking on the small triangle in the upper left corner one can switch to full screen and back.


The data can be saved as Excel files, Word files and in other formats (see popup menu above)

The values of different indicators can be viewed within one table by changing the subjects in the Rows and Colums boxes.

The DataExplorer also offers the possibility to view the data in graphs (select the Graph menu item in the top bar). The user is invited to explore these different possibilities; these will not be explained further in this manual (a manual of the DataExplorer can be obtained at LEI).

7 Documents and presentations

Under the menu item <u>Documents</u> the documents that have been produced in the CCAT project can be selected and viewed:
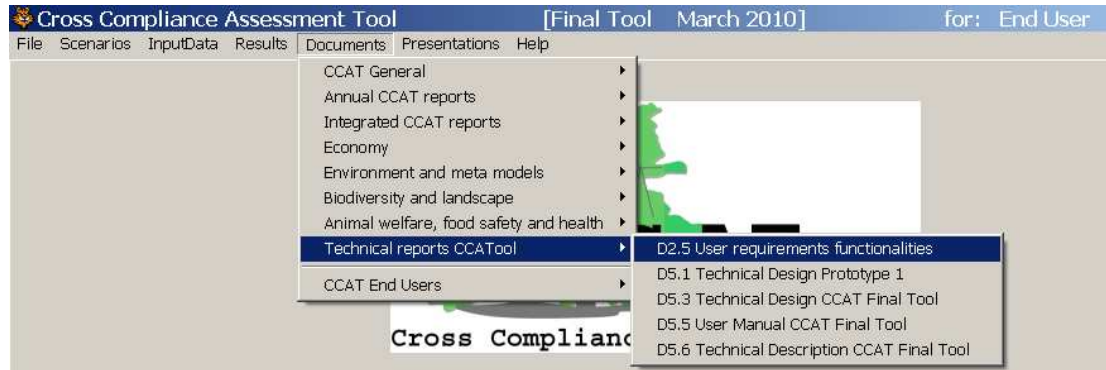
After selecting the document the appropriate application will be started automatically, e.g. Adobe Reader:
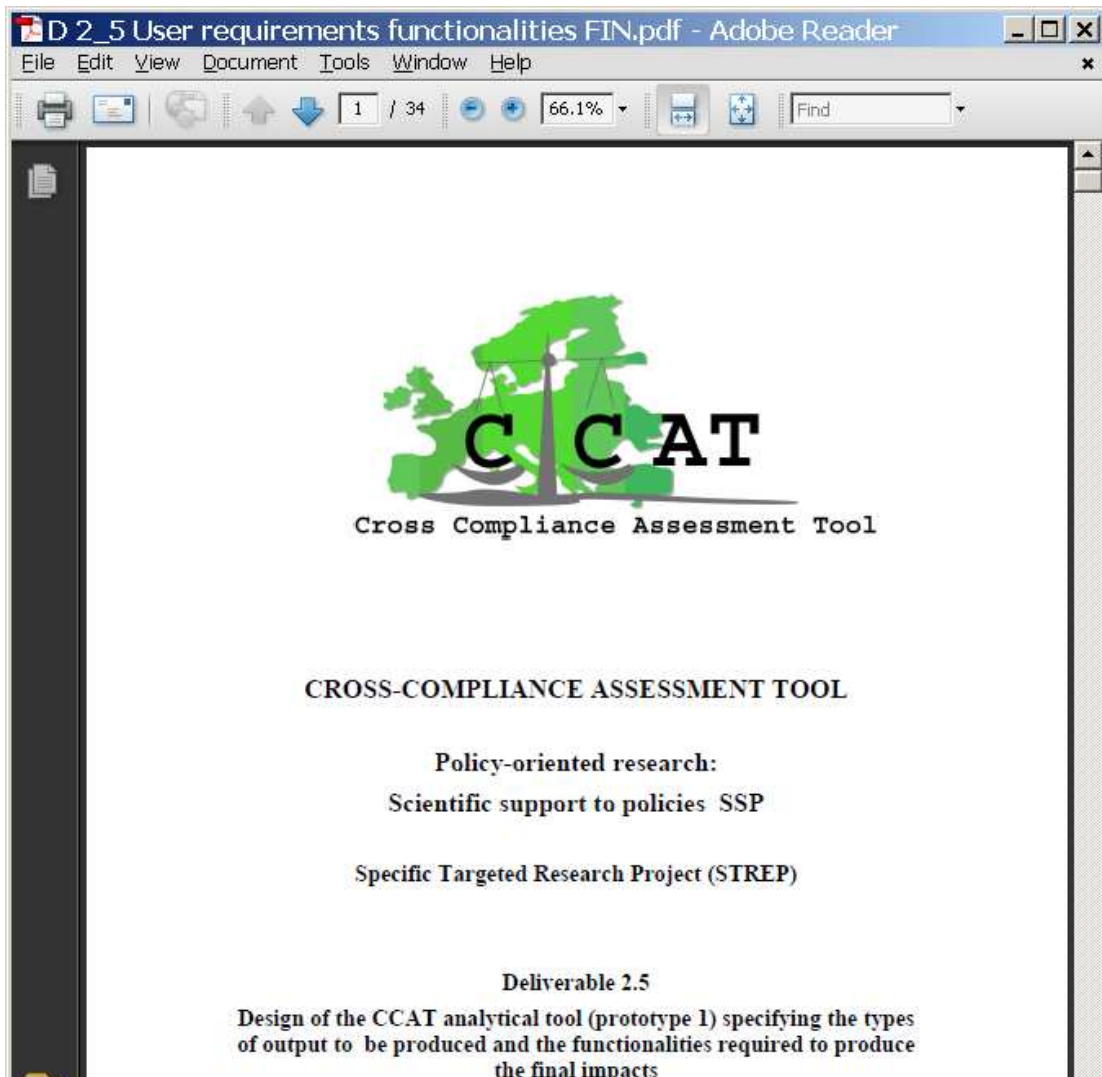
Under the menu item <u>Presentations</u> the presentations that have been produced in the CCAT project can be selected and viewed:
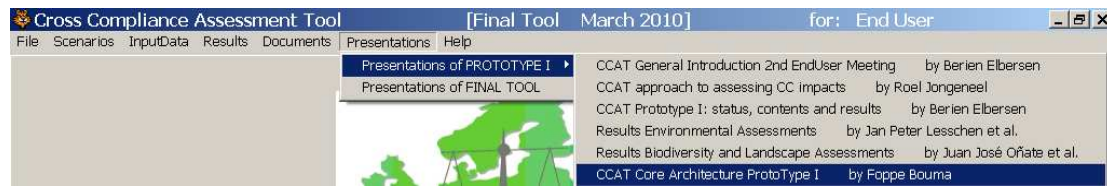
After selecting the presentation the appropriate application will be started automatically, e.g. Microsoft PowerPoint: