

ILSE - Information on Land and Soil Evaluation

Bedienungsanleitung

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Datum
05.04.2006

Version
1.0

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USER GUIDE

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1 Introduction

In the framework of the TUSEC-IP E.U. project, the ILSE (Information on Land and Soil Evaluation) evaluation system for soils in Alpine urban regions was developed. ILSE is intended to allow the semi-automatic evaluation of soils with regards to various different soil functions, and is based on the evaluation methods developed by TUSEC-IP. Depending upon which soil functions are to be evaluated, ILSE displays the necessary attributes which have to be collected in field work. On the basis of this field data, a number of more-complex values are derived which are then used in evaluating the sites.

By means of ILSE, the pedologist's know-how can be made accessible to a larger audience. Thus, even laypersons are to be made capable of carrying out soil evaluation for a planning area.

If you have any questions concerning the ILSE information system, please contact:

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2 ILSE (Overview)

User Management

ILSE is an information and management system with comprehensive user and rights management. In order to use the evaluation system, every user must first log on to the system. At the moment, all logged-on users can view all data. If needed, it is possible to limit access. Every user is assigned to one or more groups. By the same token, the data belonging to a particular project is assigned to the corresponding group. This ensures that changes to this operation area (be they simple changes to the attributes, the addition of new sites, or the carrying-out of a new evaluation) are possible only for users who are members of the corresponding group.

Structure of ILSE

There is a menu bar on all pages, beneath the TUSEC logo. This bar is used to select functions. Depending upon the rights which have been assigned to a particular user, when he passes his mouse over the menu items, the corresponding functions are shown in a sub-menu.

Actions pertaining to the entire operation area are located in the menu item "operation area". Actions pertaining to a site can be selected in the menu of the same name.

At the right top of the page, you can choose the language in which the evaluation system should be displayed. (ATTENTION: At present, only German is available.)

3 Start Page



The screenshot shows the ILSE start page. At the top left is the TUSEC-IP logo with a cityscape illustration. Next to it is the text 'ILSE Information on Land and Soil Evaluation'. On the right, there are flags for Germany, Austria, and Switzerland, and the GRID-IT logo with the text 'Informationssysteme'. Below the header, there is a 'Willkommen' (Welcome) section. On the left, there is a vertical image of a soil profile. The main content area is titled 'BÖDEN IN STADTREGIONEN' (Soils in Urban Regions) and 'Verfahren und Strategien zur nachhaltigen Raumentwicklung' (Methods and Strategies for Sustainable Spatial Development). The text describes the ILSE system developed within the TUSEC-IP project for evaluating soils in urban regions of the Alpine region. It mentions that the system uses TUSEC-IP evaluation methods and provides attributes for soil evaluation. It also states that the system can be used for municipal and regional planning. At the bottom of the main content area, there are logos for the European Union and Interreg III B, along with text stating that the project is an initiative of the EU-Gemeinschaftsinitiative Interreg III B Alpenraum. On the right side, there is a login form with fields for 'Benutzername' (Username) and 'Passwort' (Password), and an 'Anmelden' (Login) button. There is also a note about logging in and a contact email address: webmaster@grid-it.at.

The user logs on to the system on the start page of ILSE. It is absolutely necessary that the user log on in order to completely exploit the system and to view the data.

After successful log-on, the user must select a particular operation area. This can be done by either

- clicking the "operation area" menu item, or
- selecting an operation area in the drop-down menu in the right area of the page.

4 Main Page



TUSEC-IP **ILSE** Information on Land and Soil Evaluation

Willkommen Arbeitsgebiet (Ottensheim/Rieseneder) Profilstelle Verwaltung Abmelden (mf) **GRID-IT** Informationssysteme

Arbeitsgebiet

Ottensheim/Rieseneder

Arbeitsgebiet

Gebietsnummer RIESEN

Gebietsbeschreibung Industriebrache

Zielsetzung

Administrative Zugehörigkeit Staat: Österreich
Land: Oberösterreich
Gemeinde: Ottensheim

Organisation Umweltbundesamt GmbH

Datengrundlagen

Basisdaten

Orthofoto
 Grundstücke
 Erhebungspunkte
 Umriss

Nutzung

Historische Landnutzung Industrie (incl. Lagerflächen, Entsorgungsanlagen); Ziegelfabrik

Aktuelle Landnutzung

Kenndaten

Fläche [ha]

min. Höhe [m] 265
max. Höhe [m] 270
Jahres-Ns [mm] 1000
Sommer-Ns [mm] 550
Winter-Ns [mm] 450
Kritische Ns-Menge [mm] 50
Jahrestemperatur [°C] 10.0
Jahresverdunstung [mm] 300

Sonstiges






potentielle Schadstoffquellen punktuell: sonstige Schadstoffeinträge: ehem. Ziegelwerk
diffus: Verkehr (hohes Verkehrsaufkommen): Bundesstraße

Suchbegriff:

Suchergebnisse

4.1 Left Area

The page for the operation area shows, on the left side, a map of the area. The user can navigate freely in this area.

button	description
	Press down the left mouse key and, while holding it down, open a zoom area in the map that should be magnified in size.
	Clicking the button reduces the size of the map by one factor.
	A single click in the map makes the click point the new center of the map.
	Clicking the button zooms the standard extent of the map (total view).
	Clicking a site (red dot) displays information on this site in the right area of the page.

The activated button is indicated by a frame.

Search

Beneath the map, there is a field in which sites can be searched for. This is the quick

search function, i.e. the entered term is searched for only in the designation of the site. If you want to list all sites, enter no search catchword and then click "OK". The results of the search are displayed below.









In the example to the left, all sites are shown in which a "1" appears in the title. In order to obtain information on a given site, all you need to do is click the corresponding link in the search results list. You will then find the detailed information on the right side.

4.2 Right Side

As stated previously, detailed information appears on the right side of the page. This detailed information may be information on an operation area, a site, a horizon, or a database.

Above the information, there are buttons for which various different actions can be carried out. Depending upon what rights have been assigned for the current element, a differing number of buttons are then available.

button	description
	Standard view. Available to every logged-on user.
	Edit view. The data can be processed here. This function is available only to the members of the group to which the operation area belongs.
	Meta data view. Available to every logged-on user.
	Administrative view. Here, the element can be deleted and read/write rights edited. This function is available only to the members of the group to which the operation area belongs.
	Access view. This shows who has performed what actions using the element. This function is available only to the members of the group to which the operation area belongs.
	Print view. Available to every logged-on user.

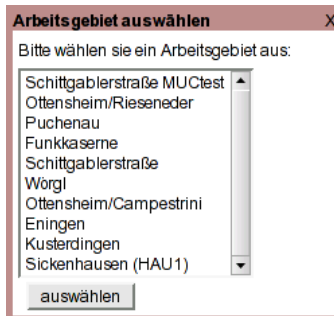
5 Functions

5.1 Operation Area

Operation Area

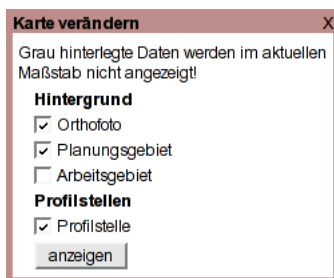
If the user has already selected an operation area, clicking the "operation area" menu item displays the corresponding details.

Selecting an Operation Area



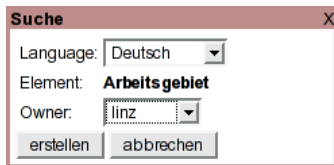
If the user has not yet selected an operation area, a small window is opened in which a new operation area can be selected. This window is displayed with a map and detailed information.

Modifying the Map



Using this function, layers in the map can be activated or deactivated.

New Operation Area



If the user would like to create a new operation area, he must first define the language in which the data is to be entered and the group to which the data belongs. After clicking the "create" button, an empty form is opened in which the new data can be entered.

Importing Data

A form for importing data is opened. In order to import data, an import file is needed (see "ILSE – Importation Instructions").

Exporting Data



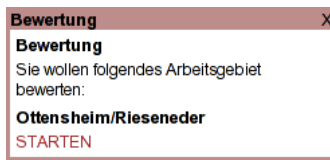
There are three formats available for exporting data:

- ESRI shape file
- ASCII text file
- Import format

Further, a name (without file extension) for the exported file must be stated.

Shape files und text files currently contain information on the evaluation results of the individual sites belonging to an operation area. The import format includes all information necessary for importation. (ATTENTION: The IDs are not yet properly implemented.)

Evaluating a Operation Area



As opposed to the calculation of the evaluation by clicking "save" or "save and continue", using this function starts the evaluation of all sites belonging to the particular operation area.

Deleting Soil Data

This function has not yet been implemented.

5.2 Site

Advanced Search

This function has not yet been implemented.

New Site

Analogous to "new operation area".

6 Translation

Under the menu item "Administration" – "Translations", you can translate ILSE step by step. Click on a code and fill in the fields for the desired languages. After clicking "submit", your settings will be saved and displayed when the system is called up and the corresponding flag selected.

Please note:

You will find translation codes in the "apptrans" and "irmitrans" tables (made visible by making a selection in the pulldown menu).

If you click "del", the entry will be deleted and cannot be restored.