



Repository

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Documentation_repository.doc Version 1.2 07.10.2003



0 Information on the Document

0.1 Project Survey

Document-Title	GREAT-ER
Document Subtitle	Repository
Project	GREAT-ER, Version 2.0
Customer	CEFIC, Brussels
Owner	TechniData AG Dornierstrasse 3 88677 Markdorf, Germany
Department	Environmentals
Author	Sandra Boos
Filename	I:\UIT-EHS-Projekte\Kunden\CEFIC, Brüssel\GREAT- ER\08-Doku\GREAT-ER Version 2\Documentation_repository.doc
Version	1.2
Date	07.10.2003
Status	released

0.2 Version Management

Version Number	Person Responsible Date	Chapter	Description
1.0	Sandra Boos	All	14.05.2003 Create Document
1.1	Susan Neumeister	All	11.06.2003 Proof-reading
1.2	Sibylle Fels	Heading	07.10.2003 Removed version II from GREAT-ER in headings, headlines and footing lines

0.3 Document Cross References

Reference	Title	Document-ID	Version	Date
1				



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1 Introduction

1.1 Background

GREAT-ER is a GIS assisted model for environmental risk assessment and management of chemicals in river basins.

Multiple simulation models are available: emission, sewer, waste water treatment and river. The simulation output forms a basis on which risk assessments can be performed. In the long run **GREAT-ER** could help to improve the water quality of our rivers.

The **GREAT-ER** Repository is a structured collection of substance data and documents. All of this information may be stored and searched for in the database sorted by categories. The substance structure definition is not fixed. Any administrator is able to define those structures.

1.2 Start Repository



Select the icon ^{Repository} from the **GREAT-ER** folder in the start menu in order to enter the **GREAT-ER 2.0 Repository**.

Any registered user has access to all substances and documents within **GREAT-ER**. The following features are available depending on the access rights:

- ? Search for substances
- ? View / Edit substance data
- ? Create new substances
- ? Search for documents
- ? View / Edit / Download documents
- ? Upload new documents

The Repository can be divided into the following two main modules:

- ? **Substance Data** Within this module it is possible to search for, view and edit the substance data of **GREAT-ER**.
- ? Document Download

This module enables the user to search for, view, edit, download and upload documents from **GREAT-ER**. The topics of these documents are release, waste water treatment and quality of the water, hydrological and geographical issues, for example.

1.3 General Screen Layout

Most of the screens in the **GREAT-ER** repository have a standard layout. The following screenshot displays an example of the screen layout.

<u>F</u> ile	<u>S</u> ubstand	R Repository ce <u>D</u> ocument <u>H</u> elp Documents							×
Nar	nark	×					· · · · · · · · · · · · · · · · · · ·	Clear earch	
	Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	
1 2	Boron LAS	This is a template substance This is a template substance			2003-02-28 2002-07-16	DEFAULT DATA DEFAULT DATA	_	Y Y	
⊡	_								▣
2 sub:	Vie stances fo		Edit		Delete	EATER2	New.		

A screen comprises a main window with title bar, menu bar, folder bar, data area, button bar and status bar.

The title bar contains the name of the application and the standard MS Windows function for maximizing, minimizing and closing the window.

SREAT-ER Repository

Substances Documents

The menu bar and the folder bar enable the user to navigate within the different application modules. Both objects are identical in all **GREAT-ER** program sections.

Menu bar:

<u>F</u> ile	<u>S</u> ubstance	<u>D</u> ocument	<u>H</u> elp	
Fold	er bar:			

All data are displayed in the data section are represented in the table structure. The heading and the data depend on the module.

- 🗆 ×

1. Introduction



	Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	
1	Boron	This is a template substance	GREATER2	2002-07-16	2003-02-28	DEFAULT DATA	3	Y	
2	LAS	This is a template substance	GREATER2	2002-07-16	2002-07-16	DEFAULT DATA	3	Y	
		^							·

The button bar is placed below the data section.

View	Edit	Delete	New
------	------	--------	-----

The number and types of buttons vary from module to module. The function of each button will be described later in this documentation.

The last element on the screen is the status bar at the top of the window. The number of hits and the connected user can be found here.

2 substances found.

GREATER2

1.4 Menu Structure

An overview of the different menus available in the **GREAT-ER** repository are displayed below. Different menu items are valid in each section. The invalid menu items are disabled and the text of these items is grey.

"File" menu

Menu Item Description	
[File:Authenticate]	Connect to the system/database.
[File:Disconnect]	Disconnect from the system/database.
[File:Exit]	Close the application.

"Substance" menu

Menu Item	Description
[Substance:Search]	Navigate to the "Substance Data" module.
[Substance:View]	Open the selected substance in "View" mode.
[Substance:Edit]	Open the selected substance in "Edit" mode.
[Substance:Delete]	Delete the selected substance.
[Substance:New]	Create a new substance.

"Document" menu

Menu Item	Description
[Document:Search]	Navigate to the "Document Download" module.
[Document:View]	Open the selected document in "View" mode.
[Document:Download]	Save the document from the database into the file system.
[Document:Edit]	Open the selected document in "Edit" mode.

1. Introduction



[Document:Delete]	Delete the selected document.
[Document:New]	Create a new document.

"Help" menu

Menu Item	Description
[Help:Help]	Open the online documentation.
[Help:About]	Information about the GREAT-ER application such as copyright and version number, foe example.

1.5 Access Rights/Privileges

Access rights can be divided into three categories.

- ? Owner
- ? Group (summary of users, who have the same rights and properties)
- ? All

The following rights exist in **GREAT-ER**:

? Edit:

The user can create new substances or view, modify and delete the existing substances.

? View:

The user is only allowed to view substances. He is not allowed to create, modify or delete substances.

? None:

The user has no access rights for the substance. This means he is not able to create, edit, view or delete substances.

Overview of the rights for all three categories:

Owner	Group	All	Right/Privilege
Edit	None	None	1
Edit	View	None	2
Edit	View	View	3
Edit	Edit	None	4
Edit	Edit	View	5
Edit	Edit	Edit	6

The definition of rights for substances/documents is very important to avoid unauthorized usage or unintentional modifications by different users.

1. Introduction



Example:

The following groups and users are predefined:

Groups:

Group ID Description			
1	Group for administrators		
2	Group for guest user		

User:

User ID	Group ID	Description
ADMIN_DB	1	Database Administrator
ADMIN_NET	1	Network Administrator
GUEST1	2	Guest user 1
GUEST2	2	Guest user 2
GUEST3	2	Guest user 3

Example 1:

The user "GUEST1" creates the substance "Diuron" and is owner of this substance. This user belongs to the group of guest user (Group ID = 2). The rights for this substance are set to Edit / View / None \leq Right 2.

This means, that the owner can edit the substance, the group can view it and all other users have no access rights.

User ID	Group ID	Description
ADMIN_DB	1	Both users are not the owner of the substance and belong to group
ADMIN_NET	1	1. As the owner of the substance is "GUEST1" and belongs to group 2, only the access rights of the category "all" is decisive for these users. The access right of the category "all" is "none". So these users have no access rights for the substance "Diuron".
GUEST1	2	This user is the owner of the substance. Access right of the group "owner" is "edit". So "GUEST1" is allowed to modify the substance "Diuron".
GUEST2	2	Both users are not the owner of the substance. But they belong to
GUEST3	2	group1, the same group as the user "GUEST1". So the access rights of the category "group" are decisive for theses users. The access right of the category "group" is "view". So "GUEST2" and "GUEST3" are allowed to view the substance data of "Diuron".

1. Introduction



Example 2:

The user "GUEST1" creates the substance "Diuron" and is owner of this substance. This user belongs to the group guest user (Group ID = 2). The rights for this substance are set to Edit / Edit / View \bowtie Right 5.

This means that the owner and the group can edit the substance. All other users can view the substance.

User ID	Group ID	Description
ADMIN_DB	1	Both users are not the owner of the substance and belong to group
ADMIN_NET	1	1. As the owner of the substance is "GUEST1" and belongs to group 2, only the access rights of the category "all" is decisive for these users. The access right of the category "all" is "view". So these users can view the substance "Diuron". They are not allowed to edit the substance.
GUEST1	2	This user is the owner of the substance. Access right of the group "owner" is "edit". So "GUEST1" is allowed to modify the substance.
GUEST2	2	Both users are not the owner of the substance. But they belong to
GUEST3	2	group1, the same group as the user "GUEST1". So the access rights of the category "group" are decisive for these users. The access right of the category "group" is "edit". So "GUEST2" and "GUEST3" are allowed to edit the substance data of "Diuron".

1.6 Authenticate to the System

After opening the "Repository" the user must connect to the system. To do this select the menu option [File:Authenticate].

🖏 GREAT-ER Repository	
<u>File</u> Substance <u>D</u> ocument <u>H</u> elp	
Authenticate Disconnect Exit	
Authenticate for database connection	not connected



Enter the log on to the database in the following screen:

Authentication	X
Database:	
Username:	
Password:	
ОК	Cancel

Example:

Username: greater2

Password: greater2

If you are using the single user version of the **GREAT-ER** repository, it is not necessary to enter the name of the database. The user will connect to the database by activating the button

2 Substance Data

After starting the Repository, the module "Substance Data" is activated by selecting to the folder "Substances" or by selecting the menu item **[Substance:Search]**.

🦄 G F	REAT-ER Repo	ository					_	
	<u>S</u> ubstance <u>D</u> o							
Subst	tances Docume	ents						,
⊢ Sea	arch							
Nam	e	Γ					Clear	
Rem	ark	Г						
D I		T T					Search	
Nan	ne							
	Name	Remark	Owner	Creation	Modification	Status	Privs	Writ
				Date	Date			
	√iew		Edit		Delete		New	
					GRI	EATER2		/

A search for substances within the system must be started first in order to view, modify or delete data. This process is described in the chapters below.

2.1 Search for Substances

This section enables the user to search for any substance, that is stored in the **GREAT-ER** database. Therefore at least one search criterion must be entered.

Substances Documents	
Search Name	
	 Clear
Remark	
Name	Search



Example 1:

Search for the substance "Boron".

- 1. Navigate to the field "Name".
- 2. Enter the search criterion *Boron* in the field.

Example 2:

Search for all substances, where the first letter is a "B".

- 1. Navigate to the field "Name".
- 2. Enter the search criterion B^* in the field.



The search criteria is not case sensitive. Any SQL wildcards and "*" are supported for searches.

In addition to name and remark, a further criterion can be selected. You can choose the criteria from the list of values (e.g. CAS, EINECS, Species) and enter the suitable value in the next field.

👒 GREAT-ER Repository						_	
<u>File</u> <u>Substance</u> <u>D</u> ocument Substances Documents	<u>H</u> elp						,
Search Name	Γ					Clear	
Remark Name	 					Search	
CAS EINECS Synonyms		Owner	Creation Date	Modification Date	Status	Privs	Writ
Molar Mass Kow Koc							
Vapor pressure Water solubility pKa Dissociation							
Kd River Kd Sewage Kd Mixed Liquor	•						
View		Edit		Delete		New	
				GRI	EATER2		/_



Example 3:

Search for the CAS number 7440-42-8.

- 1. Select entry **CAS** from the list of values.
- 2. Enter the correct CAS number **7440-42-8** in the field.

The search criteria and the result of the search can be deleted from the screen by clicking on the

button ______. New search criteria can be entered and this search executed afterwards.

Search

Start the search process by entering the search criteria and clicking on the button ______. The **GREAT-ER** database will be searched for the appropriate substances. The result is displayed in the following overview.

🦄 GI	REAT-E	R Repository						_ [l ×
		ce <u>D</u> ocument <u>H</u> elp Documents							
- Se Nam Rem		×					(lear	
Na	me						:	earch	
	Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	
1	Boron	This is a template substance	GREATER2	2002-07-16	2003-02-28	DEFAULT DATA	3	Y	
2	LAS	This is a template substance	GREATER2	2002-07-16	2002-07-16	DEFAULT DATA	3	Y	
1									A
	Vie	вw	Edit		Delete		New.		
2 subs	stances fo	und.			GR	EATER2			

The number of search hits is listed in the status bar at the bottom of the window.

2 substances found.

GREATER2

Please use the vertical scrollbar on the right for navigation if there is not enough room to display all the results in the data section of the window.

2.2 View Data of the Substance

The initial point for viewing the data is the result list from section 2.1 Search for Substances. In order to view the substance data select the substance from the result list and click on the button View... or select the menu item [Substance:View].

-	ile _	<u>S</u> ubstand	R Repository ce <u>D</u> ocument <u>H</u> elp Documents							×
	Sea Nam Rem Nan	ark	×					·	Clear earch	
		Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	
-	1 2	Boron LAS	This is a template substance This is a template substance	GREATER2 GREATER2	2002-07-16 2002-07-16	2003-02-28 2002-07-16	DEFAULT DATA DEFAULT DATA	3	Y Y	
		Vie	ew	Edit		Delete		New.		
2	subsi	tances fo	und.			GR	EATER2			_//,

After opening the substance in the view mode, the properties are displayed in several groups. The tree structure allows easy navigation within the groups and properties.

The following groups have been implemented at the moment:

- ? Identification
- ? Phys. Chem. Properties
- ? Partitioning
- ? WWTP Removal
- ? Biodegradation
- ? River Removal
- ? Emission Data
- ? Risk Assessment
- ? Labelling

GREAT-ER 2. Substance Data



- ? Water Pollution
- ? Acute Toxicity to Fish
- ? Acute Toxicity to Aquatic Invertebrates
- ? Acute Toxicity to Aquatic Plants (e.g. Algae)
- ? Acute Toxicity to Micro-Organisms (e.g. Bacteria)
- ? Chronic Toxicity to Fish
- ? Chronic Toxicity to Aquatic Invertebrates



Please note, that this list of groups and properties is part of the standard implementation. It can be modified or enhanced by the administrator.

ew Substar	ice Boron					
)wner: GREA	TER2	Created: 2002-07-16	Modified: 2003-05-1			
Status:	DEFAULT DATA					
Privileges:	3 = View/edit right o + view right all other	wner + view right members of owr users	ner user group			
Remark:	This is a template s	ubstance	<u>م</u> ۲			
Boron						
🕂 Identifica	tion					
-	em. Properties					
Partitionir	-					
⊕ WWTP F						
i ⊞- Biodegra i ∰- Biver Bei						
⊕ Water Po						
⊤ ⊕ Acute To	xicity to Fish					
	xicity to Aquatic Inve	ertebrates				
1	xicity to Aquatic Plan					
⊕ Acute Toxicity to Microorganisms (e.g. Bacte						
i≢, Chronic I ∡ I	ovicitu to Fish		Cancel			
• I			Cancer			

The mode and the substance name is added in the window header.

View Substance "Boron"

X



H If the group is preceded by a plus sign, the properties can be displayed by clicking on the plus sign.

The group can be closed by clicking the minus sign.

View Substar	nce "Boron"		, in the second s	×
Owner: GREA	TER2	Created: 2002-0	7-16	Modified: 2003-02-28
Status:	DEFAULT DATA			
Privileges:	3 = View/edit right own + view right all other us		mbers of owner user g	oup
Remark:	This is a template subs	stance		A 7
Boron		_	- CAS (Type: CHA 7440-42-8	R)
⊡ Identifica	tion e = Boron			
	= 7440-42-8		Remark:	
	CS = unknown		None	
Syno	nyms = -			
🕂 🕂 Phys. Ch	em. Properties			
🕂 🕂 Partitionir	-			
🗎 🕀 WWTP F				
i ⊞- Biodegra i ∰- Biver Bei				
Labelling				
			J	
	wicitu to Fish		Can	icel
Chemical Abstra	act Service number			

The user is not permitted to modify data in the view mode. All fields are protected against update. The window can be closed by clicking on the button



2.3 Edit Substance Data

The initial point for modifying substances is the result list of section "2.1 Search for Substances". In order to edit the substance data, select the substance from the result list and click on the button <u>Edit...</u> or select the menu item [Substance:Edit].

🦄 GI	REAT-E	R Repository						_ 🗆	x
<u>F</u> ile	Substance	ce <u>D</u> ocument <u>H</u> elp							
Subs	stances	Documents							
- Se Nam Rem		×					С	lear	
Na						[Se	arch	
	Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	-
1	Boron		GREATER2		2003-02-28	DEFAULT DATA		Y	
2	LAS	This is a template substance	GREATER2	2002-07-16	2002-07-16	DEFAULT DATA	3	Y	
-								ŀ	
	Vie	вw	Edit		Delete		New		
2 subs	stances fo	iund.			GR	EATER2			1

After opening the substance in the edit mode, the properties are displayed in several groups. The tree structure allows easy navigation within the groups and properties.

2. Substance Data

<mark>dit Substanc</mark> Owner: GBEA		Created: 2002-1	17.16	Modified: 2003-02-28
Name:			57-10	
Nallie.	Boron			
Status:	DEFAULT DATA			
Privileges:	3 ➡ View/edit ri + view right	ght owner + view rij all other users	ght members of o	wher user group
Remark:	This is a template su	Ibstance		4
Boron				
Identificat				
	em. Properties			
⊡ · WWTP B	-			
⊕ Biodegrad				
🕂 - River Rer	noval			
🕂 Emission I	Data			
i⊞-Labelling	н.:			
Water Po Acute Ter				
. ⊕- Acute To:	xicity to Fish xicity to Aquatic Inver	tebrates 🔤		
	Noity to Aquatic IIIVel		ОК	Cancel
<u> </u>				

The mode and substance name is listed in the window header.

Edit Substance "Boron"	×

- + If the group is preceded by a plus sign, the properties can be displayed by clicking on the plus sign.
- The group can be closed by clicking the minus sign.

2. Substance Data

wner: GREA	TER2	Created: 2	002-07-16	Modified: 2003-05-15
Name:	Boron			
Status:	DEFAULT DAT	ΓΑ		
Privileges:	3 - View/e + view	edit right owner + vie right all other users	ew right members of a	owner user group
Remark:	This is a templa	ate substance		A. V
CAS EINE Syno	e = Boron = 7440-42-8 CS = unknown nyms = Borax em. Properties em. Properties demoval dation moval		▲ Synonyms Borax Remark: None	(Type: CHAR)

Now it is possible to modify existing fields or fill empty fields with values. The field must be selected in the tree structure on the left. Afterwards the value can be entered in the input box on the right. Each field has a specific type, this means that the field can contain characters, numbers or entries from a list of values. The type is displayed beside the field name above the input box (see example – Type: CHAR). The value must be entered according to the field type.

A remark can also be added. The remark is displayed below the input box for the field and can include up to 2000 characters.

If all necessary data has been entered, then exit the "Edit Substance" window by clicking on the button . The system will confirm saving the modifications.

Confirm Changes	×
Do you want to save change	is?
Yes <u>N</u> o Cancel	

Exit the window without saving by clicking on the button ______ in the "Edit Substance" window.

2. Substance Data

Please note, that data editing depends on the user rights. If the user has insufficient rights, the following message box will be displayed on the screen after selecting the button <u>Edit...</u> or the menu item [Substance:Edit].



The user is not allowed to edit any properties for the chosen substance.

2.4 Create New Substances

A new substance can be created by clicking on the button <u>New...</u> in the "Substance Data" overview or by selecting the menu item **[Substance:New]**.

🦄 G	REAT-E	R Repository						_ [×
		ce <u>D</u> ocument <u>H</u> elp							
Subs	stances	Documents							
	arch —								
Nan	ne	×					(Clear	
Ren	nark						,		
Na	me	•					-	earch	
				1	1				
	Name	Remark	Owner	Creation Date	Modification Date	Status	Privs	Write	
1	Boron	This is a template substance			2003-02-28	DEFAULT DATA	3	Y	
2	LAS	This is a template substance	GREATER2	2002-07-16	2002-07-16	DEFAULT DATA	3	Y	
									- 1
									- 1
									Þ
	Vie	ew	Edit		Delete		New.		
2 sub:	stances fo	ound.			GR	EATER2			

Characteristics can be entered into the input boxes or selected from a list of values for each group.



The following example illustrates the creation of the substance "Diuron". After clicking on the button <u>New...</u>, the groups and properties appear on the screen. The tree structure allows easy navigation within these groups and properties.

- H If the group is preceded by a plus sign, the properties can be displayed by clicking on the plus sign.
- The group can be closed by clicking the minus sign.

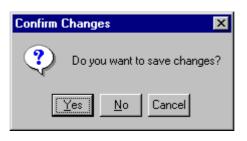
nter new Su	bstance	1È
Name:	Diuron	
Status:	DEFAULT_DATA	
Privileges:	3 ↔ View/edit right owner + view right members of owner user group + view right all other users	
Remark:	This is a template Substance	* *
CAS = EINE(Synor	= unknown unknown CS = unknown myms = unknown m. Properties g emoval lation noval Data	

The data for the different fields can be entered in this window. The field must be selected in the tree structure on the left. Afterwards the value must be entered in the input box on the right. Each field has a specific type, this means that the field can contain characters, numbers or entries from a list of values. The type is displayed beside the field name above the input box (see example – Type: CHAR). The field content depends on the type.

A remark can also be added to each field. The remark is displayed under the input box for the field and can include up to 2000 characters.

If all necessary data has been entered, then exit the "Enter new Substance" window by clicking on the button . A message box which confirms the savings is displayed.





Exit the window without saving by clicking on the button _____Cancel _____ in the "Enter new Substance" window.

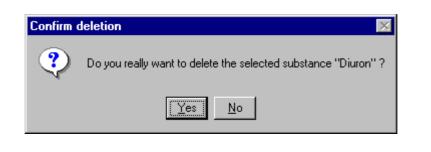
2.5 Delete Substances

The initial point to delete a substance is the result list of section "2.1 Search for Substances". In order to delete the substance, select the substance from the result list and click on the button Delete or select the menu item [Subtance:Delete].

۵ 🍋	GREAT-EI	R Repository							_ □	×
<u>F</u> ile		ce <u>D</u> ocument	<u>H</u> elp							
Sub	ostances	Documents								
-	earch									
	ime		*ron					Cle	ear	
Re	emark									-1
N	ame		•					Sea	arch	
	1									
	Name	Remark		Owner	Creation Date	Modification Date	Status		Privs	w
1	Boron	This is a templa		GREATER2	2002-07-16	2003-05-15	DEFAUL		3	Y
2	Diuron	This is a templa	ate Substance	GREATER2	2003-05-15	2003-05-15	DEFAUL	T_DATA	3	Y
									[۲
	Vie	N	Ed	it		Delete	\square	New.		
2 sub	ostances fo	und.				GREATER2				_//

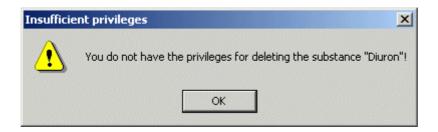
After clicking on the button __________, the following message box appears.





Confirm the deletion by clicking on the button _____. The substance has been deleted from the **GREAT-ER** database finally.

Please note, that removing data depends on the user rights. in the case that the user has insufficient rights, the following message box is displayed and it is not possible to delete the substance.



This means the user does not have permission to delete the selected substance.

3 Document Download

After starting the Repository, the module "Document Download" is activated by navigating to the folder "Documents". This can be achieved by clicking on the folder "Documents" or by selecting the menu item **[Document:Search]**.

GREAT-ER Repo File Substance Doo Substances Docume	cument <u>H</u> elp					
Search Document Type Title	Substance Da	a 🔻	File Type Creation Date			Clear
Keywords of Remark			Modification Date			Search
Title	Remark	Owner	Creation Date	Modification Date	Privs	Write
View	Downloa	d	E clit	Delete		New
2 substances found.				GREATER2	 !	

In order to view, modify or delete data, a search for documents must be started first.

3.1 Search for Documents

This section enables the user to search for any documents stored in the **GREAT-ER** database. At least one search criterion must be entered.



3. Document Download

GREAT-ER <u>F</u> ile <u>S</u> ubstance Substances D		<u>H</u> elp						
Search Document Type Title Keywords of Re Owner		nce Data	File Typ Creatio Modific		• •			Clear Search
Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Size
View		Download		Edit		Delete iREATER2		New

The type of document must be selected or each search. The following types are available in **GREAT-ER**:

🖏 GREAT-ER Rep						_	
<u>File</u> <u>S</u> ubstance <u>D</u> o	cument <u>H</u> elp						
Substances Docum	ents						
Search							
Document Type	Substance Dat	ta 🔻 File	Туре				
Title	Substance Dat Release Data		ation Date	= 💌		Clear	
Keywords of Remark	– rydrological D	ata Mo	dification Date [= 💌			
Owner	Water Quality [Geographical [Data Data				Search	
Title	Remark	Owner	Creation	Modification	Privs	Write	File
Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type
Title	Remark	0 w ner			Privs	Write	
Title	Remark	Owner			Privs	Write	
Title	Remark	Owner			Privs	Write	
	Remark			Date	Privs	Write New	

If you are searching for a date, you must decide whether you want an exact match (=) or any document whose date is pre (<) or post (>) the given date. In the case of searching for keywords,



all document remarks are parsed for the word(s). This process may take a while and wildcards are supported in a specific way.



The search criteria are not case sensitive. Any SQL wildcards and "*" are supported as wildcards for searching. Wildcards are supported in a specific way for keywords and dates.

Example 1:

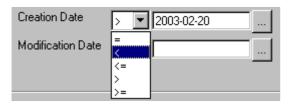
Search all documents for the type "substance data".

- 1. Select "substance data" from the list of values "Type of Document"
- 2. Enter the search criteria in the field "Title" \ll *

Example 2:

Search all documents for the type "substance data", who have been created after 20.02.2003.

- 1. Select "substance data" from the list of values "Type of Document"
- 2. Enter the date in the field "Creation Date "



If you click on the button _____ a pop up window with a calendar will open. The correct date can be chosen in this calendar.

Select a date 🛛 🔀									
◀		February 2003							
Sun	Mon	Tue	Wed	Thu	Fri	Sat			
						1			
2	3	4	5	6	7	8			
9	10	11	12	13	14	15			
16	17	18	19	20	21	22			
23	24	25	26	27	28				

Search

Start the search process by clicking on the button ______. A search for the appropriate documents now takes place in the **GREAT-ER** database. The result is displayed in the following overview.

3. Document Download

GREAT-ER Repository										
Substances Documents										
Search Document Type Substance Data File Type										
					Clear					
Keywords of Remark Modification Date Image: Comparison of										
	Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Size	-
1	1,1,2-trichloroethane	IUCLID data set;	CDEATED2	2002/02/20		-				
		TOCETO data sec	UNEATENZ	2003-02-20	2003-02-20	3	Y	PDF	253553	
2	1,3,4,6,7,8-hexahydro-	IUCLID data set;	GREATER2		2003-02-20 2003-02-20	3	Y	PDF PDF	253553 43433	
2 3		IUCLID data set; IUCLID data set;	GREATER2 GREATER2			3 3	Y Y		43433 53039	
3 4	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1, atrazine	IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20 2003-02-20	2003-02-20 2003-02-20 2003-02-20	3 3 3	Y Y Y	PDF	43433 53039 202507	
3	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1,	IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20	2003-02-20 2003-02-20	3 3 3 3	Y Y Y Y	PDF PDF	43433 53039 202507 1367176	
3 4	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1, atrazine	IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	2003-02-20 2003-02-20 2003-02-20	3 3 3 3 3 3	Y Y Y Y Y	PDF PDF PDF	43433 53039 202507	
3 4 5 6 7	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1, atrazine bis(2-ethylhexyl) phthal	IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2 GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	3 3 3 3 3 3 3	Y Y Y Y Y	PDF PDF PDF PDF PDF PDF	43433 53039 202507 1367176 458064 331477	
3 4 5 6	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1, atrazine bis(2-ethylhexyl) phthal carbon tetrachloride	IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2 GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	3 3 3 3 3 3	Y Y Y Y Y	PDF PDF PDF PDF PDF	43433 53039 202507 1367176 458064 331477	•
3 4 5 6 7	1,3,4,6,7,8-hexahydro- 3-(4-isopropylphenyl)-1, atrazine bis(2-ethylhexyl) phthal carbon tetrachloride chloroform	IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set; IUCLID data set;	GREATER2 GREATER2 GREATER2 GREATER2 GREATER2 GREATER2	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20 2003-02-20	3 3 3 3 3 3 3	Y Y Y Y Y	PDF PDF PDF PDF PDF PDF	43433 53039 202507 1367176 458064 331477	-

The number of search hits is displayed in the status bar at the bottom of the window.

19 documents found.	GREATER2

Please use the vertical scrollbar on the right for navigation if there is not enough room to display all the results in the data section of the window.



3.2 View Documents

The result list of section "3.1 Search for Documents" is the starting point for viewing documents. In order to view the content of a document, select the document from the result list and click on the button View... or access the menu item [Document:View].

*		EAT-ER Re								_ 🗆 ×
Ei			ocument <u>H</u> elp							
S	Substances Documents									
Г	Search									
	Doci	ument Type	Substance D	ata 💌	File Type					Clear
ŀ	Title ×				Creation Date	: _ ▼				
	Cenu	vords of Rema	، ب		Modification I	⊇⊡ Date □□□				
1	.cyv	fords of Freihld	<u> </u>							Search
	Dwn	er								ocaicii
				-						
		Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Siz <u>e</u> ▲
	1	bis(2-ethylhex	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	1367176
- H	2	hexachlorobe	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	199184
	3	simazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	31764
Ŀ	4	1,3,4,6,7,8-he	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	43433
!	5	tetrachloroetł	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	394062
	6	atrazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	202507
	7	diuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	44894
	8	linuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	25825 🗨
	•									•
		View	Downlo	ad	Edit		Delete			New
			-			GR	EATER2	!		

The tool for viewing the documents opens automatically, if the tool for this file type has been installed on your computer. Please note, that the tool depends on the file type.

Example:

- *.pdf files are displayed with Acrobat Reader
- *.doc files are opened with MS Word

There are also files for which an assignment to the appropriate tools could not be achived. In this case is not possible to view the document.

3.3 Edit Documents

The initial point for editing documents is the result list of section "3.1 Search for Documents". Select the appropriate document from the result list and activate the push button Edit...

.II

GREAT-ER

3.	Document	Download
ο.	Dooumont	Dominouu

GREAT-ER Repository Image: Constraint of the second seco									
Search Document Type Substance Data Title *									
Keywords of Remark			Modification I	Date = 💌				Search	
	Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Siz∉▲
1	bis(2-ethylhe)	IUCLID data sei	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	1367176
2	hexachlorobe	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	199184
3	simazine	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	31764
4	1,3,4,6,7,8-he	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	43433
5	tetrachloroetł	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	394062
6	atrazine	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	202507
7	diuron	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	44894
8	linuron	IUCLID data sel	; GREATER2	2003-02-20	2003-02-20	3	Y	PDF	25825 💌
	View	Down	load	Edit		Delete			New
					GB	EATER2	2		

All data which ahs not been disabled, can be modified. These data are, for example, title, document type, privileges and remark. Activate the checkbox "New File" and click on the button <u>Search...</u> in order to load a new file into the **GREAT-ER** database.

Edit Document "a	trazine"							
Owner:	GREATER2							
Creation:	2003-02-20							
Modification:	2003-02-20							
File Size:	202507							
New file:	Search							
Title:	atrazine							
Document Type:	Substance Data							
Privileges:	3 → View/edit right owner + view right members of owner user group + view right all other users							
Remark:								
	IUCLID data set; CAS No: 1912-24-9; EC No: 217-617-8; Molecular Weight: 215.7; Molecular Formula: C8H14CIN5;							
OK	Cancel							



The standard file dialogue opens. The file must be selected from the file system within this structure..

Choose a file	;			? ×
Look jn:	🔁 Pdf		• E C	* 🔳
🛛 🙍 11781.exp		2234.exp	🔊 33054.exp	🗃 490461.ex
🖬 117-81-7.р	odf 🖻 1	22-34-9.pdf	🔊 330-54-1.pdf	4904-61-4.
🛛 🛋 11874.exp	n 🖻 1	2718.exp	🛋 33055.exp	🛋 5029.exp
📕 🛋 118-74-1.p	odf 🔄 🖻 1	27-18-4.pdf	폐 330-55-2.pdf	🔊 50-29-3.pc
🛛 🖻 122205.ex	р 📓 1	91224.exp	폐 3412359.exp	🍺 5623.exp
1222-05-5.	.pdf 🛛 🖻 1	912-24-9.pdf	폐 34123-59-6.pdf	🍺 56-23-5.pc
•				Þ
File <u>n</u> ame:	117-81-7.pd	f		<u>O</u> pen
Files of <u>type</u> :	es of <u>type</u> : Files (*.*)		•	Cancel
	🔲 Open as	read-only		

If all necessary data has been entered, exit the "Edit Document" window of the substance by clicking on the button . The system confirms saving the modifications.

Confirm Changes 🛛 🗙
Do you want to save changes?
Yes <u>N</u> o Cancel

Leave the window without saving by clicking on the button Cancel in the "Edit Document" window.

Please note, that editing documents depends on the user rights. If the user has insufficient rights, the following message box is displayed on the screen after selecting the button
Edit...
Or the menu item [Document:Edit].



The user is not allowed to edit any properties in the chosen document.

3.4 Download Documents

The basis for downloading documents represents the result list of section "3.1 Search for Documents". Select the document from the result list and activate the push button Download...
or access the menu item [Document:Download] to start the download process.

🍋 G	REAT-ER Re	pository] ×
<u>F</u> ile	<u>S</u> ubstance [- ,								
Sub	Substances Documents									
	Search									
Doc	cument Type	Substance D	ata 💌	File Type					Class	
Title	Title ×			Creation Date	•				Clear	
Key	words of Rema	rk 🛛		Modification I	Date 💷 🔽					5
									Search	
Ow	ner									
	1									_
	Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Siz	÷
1	bis(2-ethylhe>	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	1367176	
2	hexachlorobe	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	199184	
3	simazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	31764	
4	1,3,4,6,7,8-he	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	43433	
5	tetrachloroeth	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	394062	
6	atrazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	202507	
7	diuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	44894	
8	linuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	25825	-
⊡									•	
	View	Downlo	oad	Edit		Delete			New	
					GR	EATER2	2			

The standard file dialogue is opens. The location of the file is defined within this structure.

Save File					? ×
Save jn:	🔄 temp	 •	£	Ť	
Сору					
File <u>n</u> ame:	atrazine.PDF				<u>S</u> ave
Save as <u>t</u> ype:	Files (*.PDF)		•		Cancel



Choose the directory you require and activate the button <u>Save</u> to load the file from the database into the file system.

3.5 Create New Documents

You can create new documents by clicking on the button <u>New...</u> in the overview of the Document Download or by selecting the menu item **[Substance:New]**.

🧠 GI	🖣 GREAT-ER Repository									
<u>F</u> ile										
Substances Documents										
_ Se	Search									
Doc	Document Type Substance Data File Type									
Title	;	×		Creation Date	• -			Clear		
Key	words of Rema	rk		Modification I	Date = 💌					
Owr	ner							:	Search	
		1								
	Title	Remark	Owner	Creation	Modification	Privs	Write	File	File Size	
	The	Remark	Uwner	Date	Date	1-11A2	write	гие Туре	File 5120	
1	bis(2-ethylhe)	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	1367176	
2	hexachlorobe	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	199184	
3	simazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	31764	
4	1,3,4,6,7,8-he	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	43433	
5	tetrachloroetł	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	394062	
6	atrazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	202507	
7	diuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	44894	
8	linuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	25825	•
┛										
	View	Downlo	bad	Edit		Delete			New	\rightarrow
					GR	EATER2	2			

The "Enter new Document" window for creating the new document appears on the screen.

GREAT-ER 3. Document Download

Enter new Document						
File to upload:			Search			
Title:						
Document Type:	Substance Data		•			
Privileges:		ight owner t right members of o t right all other users				
Remark:		-				
			*			
0	ĸ	Canc	el			

It is possible to enter the title manually, but the title is filled in automatically if the file is loaded: The name of the file will be suggested as a title. In order to load a file from the system into the database activate the push button <u>Search...</u>. The standard file dialogue opens. Select the file from the file system within this structure.

Choose a file			? ×
Look <u>i</u> n:	🔁 Great-er	- 🗈 💣	
🧰 Greater	🚞 Thuban	🖏 repository.exe	
🚞 Lib	🦄 Administration. exe	🖻 Repository.PDF	
🚞 Lib-2.3.3	💌 Administration.PDF	🖻 thubaninit.py	
📄 Resources		🛋 thubaninit.pyc	
📃 SciParam	🛋 diuron.PDF		
iemp	🔊 GREAT-ER.pyw		
File <u>n</u> ame:	diuron.PDF		<u>O</u> pen
Files of <u>type</u> :	Files (*.*)	•	Cancel
	🗖 Open as read-only		

The fields document type and rights are required subsequently. The document type, for example, is important for searching for documents. It is recommended to set the rights correctly, in order to avoid unauthorized usage or unintentional modifications of the documents by different users.

GREAT-ER 3. Document Download

Enter new Document							
File to upload:	D:\GREATER2\GREAT-ER\diuron Search						
Title:	diuron						
Document Type:	Substance Data						
Privileges: 3 View/edit right owner + view right members of owner user group + view right all other users							
Remark:							
IUCLID data set; CAS No 330-54-1							
OK Cancel							

If all the necessary data has been entered, then exit the "Enter new Document" window by selecting OK. The system confirms saving the modifications.

Confirm Changes 🛛 🗙						
Do you want to save changes?						
Yes <u>N</u> o Cancel						

Leave the window without saving by clicking on the button _____Cancel _____ in the "Enter new Document" window.

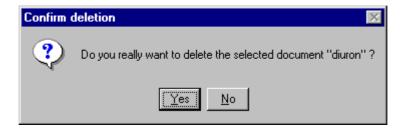


3.6 Delete Documents

The result list of section "3.1 Search for Documents" is the basis for deleting documents. In order to delete a document click on the button ________ or select the menu item [Document:Delete].

<u>F</u> ile	GREAT-ER Repository Image: Constraint of the second seco								
Doc	Search Document Type Substance Data Title ×								
	Keywords of Remark Owner				Modification Date =			Search	
	Title	Remark	Owner	Creation Date	Modification Date	Privs	Write	File Type	File Size
1	bis(2-ethylhe>	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	1367176
2	hexachlorobe	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	199184
3	simazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	31764
4	1,3,4,6,7,8-he	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	43433
5	tetrachloroetł	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	394062
6	atrazine	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	202507
7	diuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	44894
8	linuron	IUCLID data set;	GREATER2	2003-02-20	2003-02-20	3	Y	PDF	25825 💌
	View	Downlo	oad	Edit		Delete			New
	GREATER2								

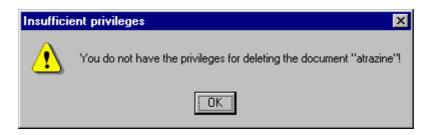
After activating the button ________, the following message box appears on the screen.



Selecting removes the document from the **GREAT-ER** database finally.

Please note, that removing documents depends on the user rights. If the user has insufficient rights, the following message box appears on the screen.





The user has not permission to delete the selected document.