IUCLID Updater including the Data Recovery Tool

1. Criteria for use of this software tool

The IUCLID Updater version 7.0.8 includes a Data Recovery Tool that recovers data that may not have been correctly migrated during an upgrade of the IUCLID software. The criteria for when the tool should be run are:

1. You are using IUCLID Desktop or a Server version with a Derby embedded database that was upgraded using the IUCLID Updater Tool. The backup file created by the IUCLID Updater Tool must still be available.

AND

2. IUCLID 6 has been upgraded from version 6.x to v7.0.1 or 7.0.2, and may or may not have been upgraded further, for example to v7.0.7.

AND

- 3. Before the update from version 6.x to v7.0.1 or 7.0.2, data was known to exist or could have existed in the fields *Description of key information* (KeyInformation) for the following endpoint summaries:
 - Acute toxicity
 - Repeated dose toxicity
 - Carcinogenicity
 - Neurotoxicity
 - Immunotoxicity

Endpoint summaries are the documents used to store the outcome of the assessment of the information available in relevant studies. This part of the format has been subject to changes in IUCLID 6 v7 as part of a harmonisation effort.

2. How to use the tool

The *IUCLID Data Recovery Tool* transfers data between two instances of the IUCLID database: one from before, to one from after the upgrade, from version 6.x to v7.0.1 or 7.0.2.

When using the IUCLID Updater tool, a backup of your installation is always taken before the upgrade. This file, with the extension i6fb, is used by the Data Recovery Tool to retrieve possibly lost data. Before starting, please make sure that you have access to the i6fb file created before the upgrade to IUCLID 6 v7. The name of the backup file contains the version of IUCLID and the date of the backup. For example, the name of a backup file for IUCLID 6 v6.27.7 taken at 17:10 on 11.08.2023 would be IUCLID6-v6.27.7-20230811-171000.i6fb.

Download the *IUCLID Updater v7.0.8 including the Data Recovery Tool* from the IUCLID website.

Launch the Updater Tool.

iuclid_updater_data_recovery_7.0.8_en.docx



Screen 1: Select the IUCLID 6 v7 installation folder that was upgraded to 7.0.1 or 7.0.2. It should contain a IUCLID 6 version between v7.0.1 and v7.0.7 that is configured to use the default type of database. Select the action *Recover data from a IUCLID 6 v6 backup*.

🝕 IUCLID 6 Updater Tool	_		×
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Welcome to the IUCLID 6 Undater tool (7.0.8)			
In the first field below, enter and/or verify the installation directory of IUCLID 6 to be updated. T	he install	lation	
directory contains a folder named <i>glassfish4</i> or <i>payara5</i> . Then, choose whether to update the i restore to a previous version of the application and its data.	nstallatio	n, or to	
IUCLID 6 installation directory			
C:\iuclid6-desktop-6.27.7_to_7.0.2		Brov	N
Details of installation			
Type: Desktop			
Version: 7.0.2			
Select the action to perform			
C Update IUCLID 6 installation to version 7.0.8			
C Restore IUCLID 6 to a previous version			
Recover data from a IUCLID6 v6 backup			
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Screen 2: Select the backup file that was created when you upgraded from IUCLID 6 v6 to IUCLID 6 v7.0.1 or 7.0.2. The file has an extension i6fb. The path to the backup file is automatically retrieved, but can be changed.

🝕 IUCLID 6 Updater Tool	-		×
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Recover Data from a IUCLID6 v6 backup			
The <i>Recover Data</i> function first creates a backup archive (i6fb) of the existing IUCLID6, a data that have been lost due to a bug in the v7 upgrade, from a backup taken before the	and then it tries to upgrade.) recover	
IUCLID 6 backup archive from which data will be read. Only files with the extension i6fb a	are eligible.		
C:\backup\IUCLID6-v6.27.7-20230915-115552.i6fb		Brov	N
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Screen 3: This screen shows the installation of IUCLID 6 v7 in which the recovered data will be available.

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VICLID 6 Updater Tool	_		X
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			٠.
Receiver Data from a IUCLID6 v6 backup			
Enter and/or verify the connection parameters for the IUCLID 6 database			
Database uri			
idbc:derbv:C:\iuclid6-desktop-6.27.7 to 7.0.2\pavara5\plassfish\domains\domain1\database\iuclid6			
,,			
Database username			
IUCLID6			
Database password			
•••••			
Note: The above parameters are required.			
Verify			
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Screen 4: This page provides an opportunity to review the selected details before proceeding with the data recovery. Check that the *Current version of IUCLID 6* is the IUCLID 6 v7 in which the data will be recovered. Check that the *Backup archive* is the backup of IUCLID 6 v6 from which the data to recover will be read.

🝕 IUCLID 6 Updater Tool	—		×
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Recover data from a IUCLID6 v6 backup			
Please review carefully the details below before clicking on Next, which starts the actual Recover Da	ta proce	ess.	
Summary			
Installation directory: C:\iuclid6-desktop-6.27.7_to_7.0.2			
Installation type: Desktop			
Current version of IUCLID 6: 7.0.2			
Backup archive: C:\backup\IUCLID6-v6.27.7-20230915-115552.i6fb			
Backup archive version: 6.27.7			
Database connection details			
IUCLID 6			
Url: jdbc:derby:C:\iuclid6-desktop-6.27.7_to_7.0.2\payara5\glassfish\domains\domain1\database\iuc	lid6		
Username: IUCLID6			
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Screen 5: The data recovery starts.

🔫 IUCLID 6 Updater Tool	_	•	×
Recover data from a IUCLID6 v6 backup			
Backup archive: C:\backup\IUCLID6-v6.27.7-20230915-115552.i6fb Installation directory: C:\iuclid6-desktop-6.27.7_to_7.0.2			
Recover data progress log			
35%			
Restore process started on 2023-09-15T17:24:13 Backup archive: C:\backup\UCLID6-v6.27.7-20230915-115552.i6fb Current (target) installation directory: C:\uclid6-desktop-6.27.7_to_7.0.2 Check validity of installation directory 'C:\uclid6-desktop-6.27.7_to_7.0.2' Installation is valid Checking validity of backup archive Backup archive validated Checking whether the versions of the installation and the backup are compatible for the Recover Data operation The versions are compatible for the recovery of data. Current version is: 7.0.2. Backup version is: 6.27.7 Shutting down IUCLID 6 Backing up			
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Screen 6: The data recovery completes.

🝕 IUCLID 6 Updater Tool	—		×
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Recover data from a IUCLID6 v6 backup			
Backup archive: C:\backup\U.CLID6-v6 27 7-20230915-115552 i6fb			
Installation directory: Chiudide dealton 6.07.7 to 7.0.0			
Perover data prograss log			
Recover data progress log			
100%			
Successful			
Juccessiu			
Design and in the second part of the second se			
Backup archive validated Checking whether the versions of the installation and the backup are compatible for the Becaver Data operation			
The unreligned are compatible for the recovery of data. Our contractive prior 20, 20, Reckup warring to a compatible for the recovery of data.			
Shuffing down UCLID 6			
Backing down roce b o			_
Backing dp Backing file: C-thackun/III.CI.ID6-v7.0.2-autobackun-20230915-172421.i6fb			
Backup inc. Scholarboot Structure St			
Stating to recover data			
Connectino to databases			
Recovering data			
Recovered data.			
Removing temporary directory.			
Removed directory			
Recover data process completed successfully on 2023-09-15T17:26:07			
		r	-
1			•
Start IUCLID			
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Check the log of the IUCLID Updater tool to see what data was recovered. It is located at:

<Updater tool>/log/updater.log

The log shows the field paths that can be recovered, between the statements *INFO executing* and *INFO executed*, as indicated below underlined in red.

• UCLID 6

INFO	Recovering data
INFO	executing recovery iuc_v7_914493.ENDPOINT_SUMMARY.AcuteToxicity.Ke
INFO	Recovered path: ENDPOINT_SUMMARY.AcuteToxicity.KeyInformation.KeyI
INFO	executed recovery iuc_v7_914493.ENDPOINT_SUMMARY.AcuteToxicity.Key
INFO	executing recovery iuc_v7_914493.ENDPOINT_SUMMARY.Carcinogenicity.
INFO	Failed to find value for path: ENDPOINT_SUMMARY.Carcinogenicity.Ke
INFO	executed recovery iuc_v7_914493.ENDPOINT_SUMMARY.Carcinogenicity.K
INFO	executing recovery iuc_v7_914493.ENDPOINT_SUMMARY.Immunotoxicity.K
INFO	Recovered path: ENDPOINT_SUMMARY.Immunotoxicity.KeyInformation.Key
INFO	executed recovery iuc_v7_914493.ENDPOINT_SUMMARY.Immunotoxicity.Ke
INFO	executing recovery iuc_v7_914493.ENDPOINT_SUMMARY.Neurotoxicity.Ke
INFO	Recovered path: ENDPOINT_SUMMARY.Neurotoxicity.KeyInformation.KeyI
INFO	executed recovery iuc_v7_914493.ENDPOINT_SUMMARY.Neurotoxicity.Key
INFO	executing recovery iuc_v7_914493.ENDPOINT_SUMMARY.RepeatedDoseToxi
INFO	Recovered path: ENDPOINT_SUMMARY.RepeatedDoseToxicity.KeyInformati
INFO	Recovered path: ENDPOINT_SUMMARY.RepeatedDoseToxicity.KeyInformati
INFO	Recovered path: ENDPOINT_SUMMARY.RepeatedDoseToxicity.KeyInformati
INFO	executed recovery iuc_v7_914493.ENDPOINT_SUMMARY.RepeatedDoseToxic
INFO	Recovered data.

Each value recovered is indicated by a line that starts with *INFO Recovered path*, which is followed by the path, and ends with the UUID of the containing document. The full line for the document for which data was recovered as underlined in red above, is shown below.

```
2023-09-13 10:06:47.818 414041 INFO Recovered path:
ENDPOINT_SUMMARY.AcuteToxicity.KeyInformation.KeyInformation in
document: 44e1da5e-a123-4be3-bd9a-a9f8cbdd2ac6/0
```

For example, the *Search by UUID* feature in the IUCLID interface can then be used to view the affected fields.

Once the data recovery has been performed, please start the updater again, this time selecting the upgrade to IUCLID version 7.0.8.

🭕 IUCLID 6 Updater Tool	_		×
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Welcome to the IUCLID 6 Updater tool (7.0.8).			
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IUCLID 6 installation directory			
C:\iuclid6-desktop-6.27.7_to_7.0.2		Brow	
Details of installation			
Type: Desktop			
Version: 7.0.2			
Select the action to perform			
• Update IUCLID 6 installation to version 7.0.8			
C Restore IUCLID 6 to a previous version			
C Recover data from a IUCLID6 v6 backup			
Would you like the IUCLID6 Updater tool to upgrade the JDK?			
□ Would you like the IUCLID6 Updater tool to change the installation type from Desktop to Serve	r ?		
			^
	Next	CI	D

A detailed description of the installation, configuration, and update of IUCLID 6 Server is provided in the document <u>Installation and Update Instructions for IUCLID 6 Server</u>.

