



openBIS Admin Training

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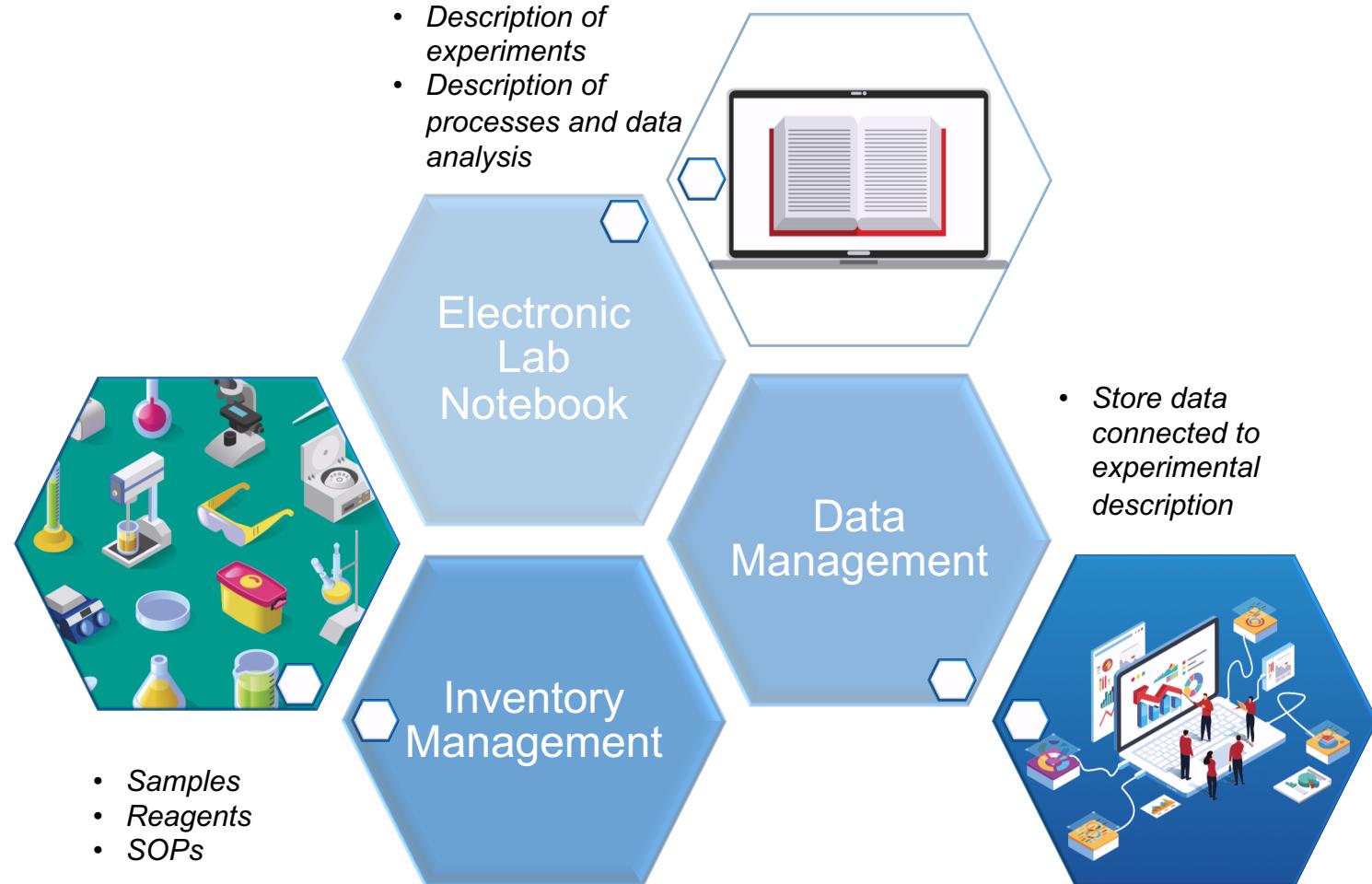


Overview of training

- Introduction to openBIS basic concepts
- Tutorial:
 - Introduction to the new openBIS admin User Interface (UI):
 - Registration of openBIS types
 - Overview of property types
 - Overview of ELN Settings
 - Users management
 - Space management

Basic openBIS concepts

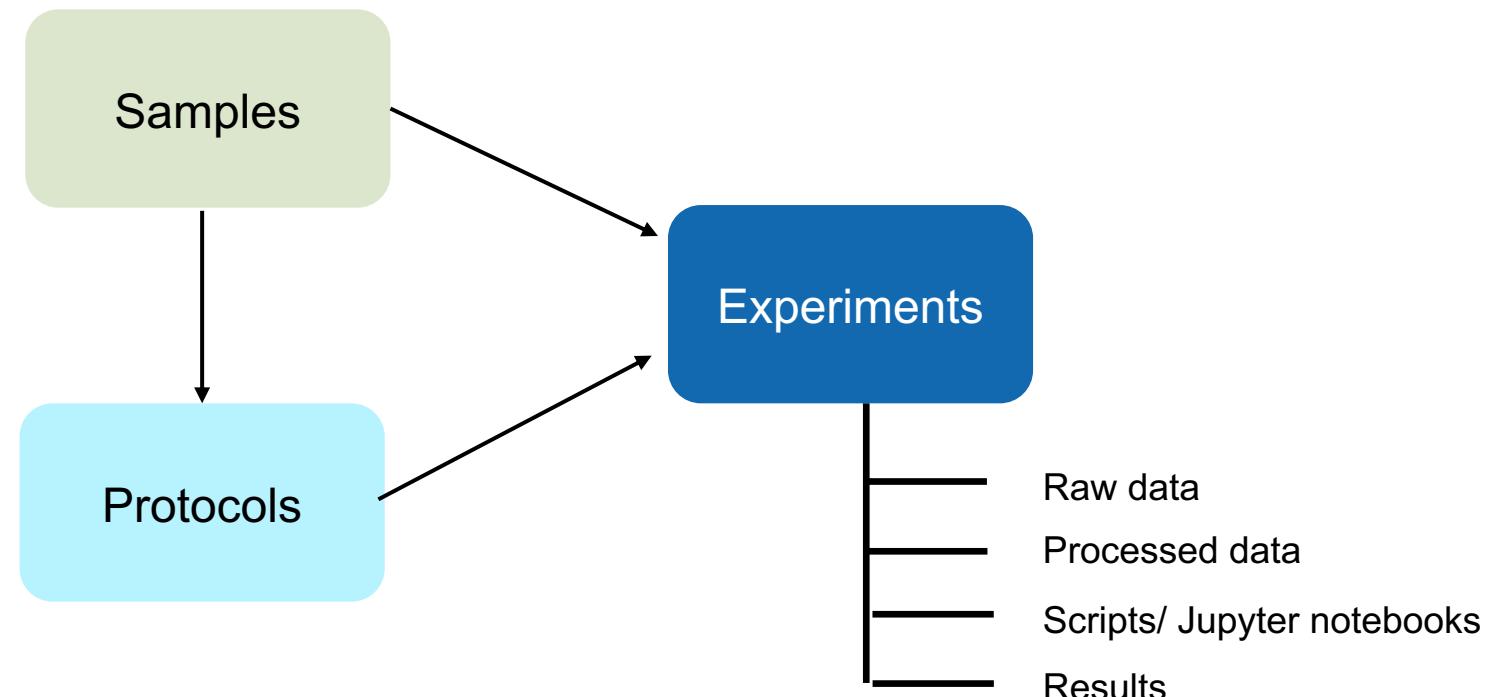
openBIS: a complete solution for FAIR data management



How to use the openBIS Inventory & Lab Notebook

Inventory
Shared by all lab members.

Lab Notebook
Personal space. Can be shared with colleagues/collaborators.



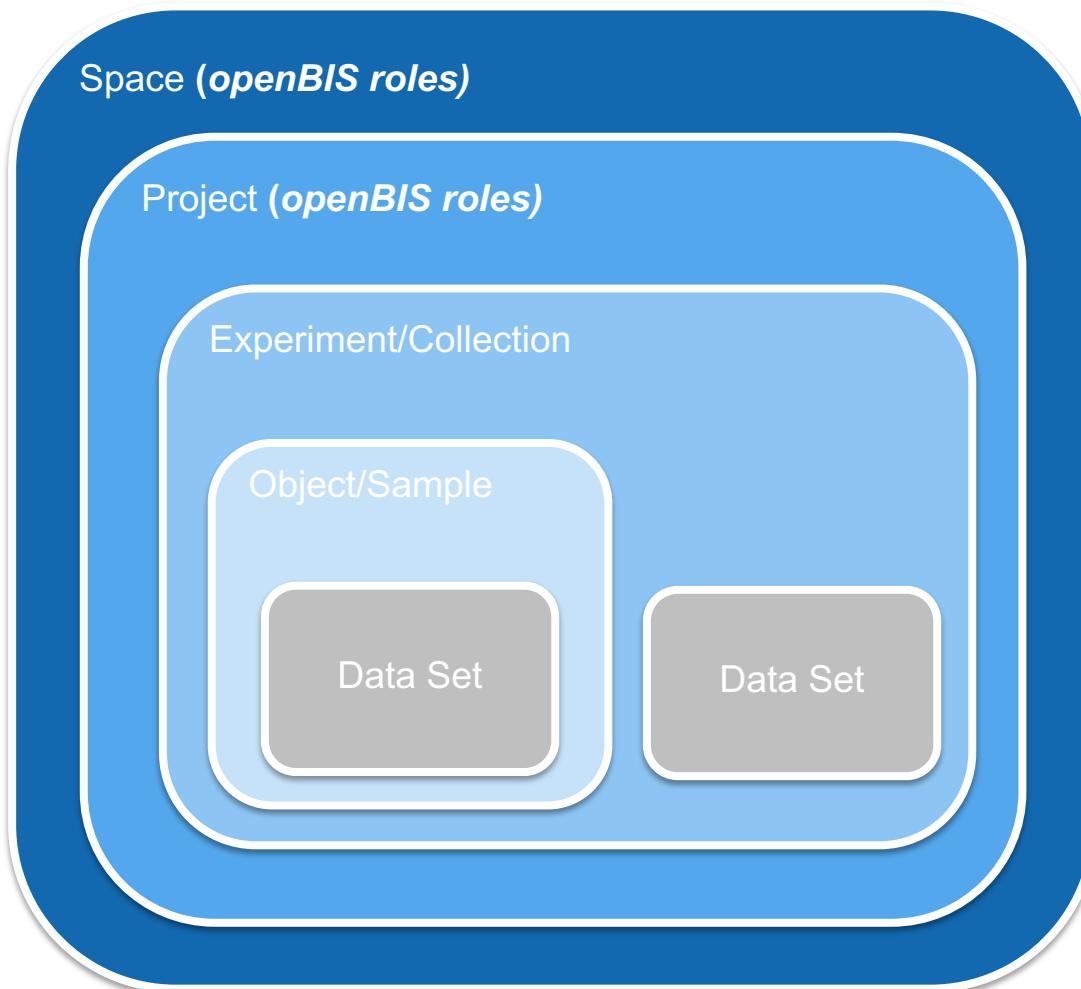
openBIS Inventory

- The default installation has two main folders in the Inventory:
 - **Materials:** all samples and materials can be stored in collections in this folder
 - **Methods:** all lab protocols (if used!) can be stored in collections in this folder

Organization of openBIS Lab Notebook

- In the Lab Notebook part of openBIS, usually each user has a **personal Space** where to organize **Projects** and **Experiments**
- An openBIS **Experiment** is a specific scientific question. The single attempt to answer this question can be modelled as **Experimental Steps**.
- **Experimental Steps** can be linked to Samples, Protocols, other Experimental Steps
- Data (raw, processed, analyzed, final results) can be attached to Experiments or Experimental steps in **Datasets**

openBIS data structure



1. **Folder (*access control*)**
1. **Folder (*access control*)**
2. **Folder with user-defined properties.** There can be several types of Experiment/Collection, each defined by different properties. Example: *Microscopy experiment, PCR experiment etc.*
3. **Entity with user-defined properties.** There can be several types of Objects/Samples, each defined by different properties. Examples: *Antibody, Chemical, Sensor, Chip, General Protocol, Experimental Step...*
4. **Folder for storing data files with user-defined properties.** There can be several types of Data Sets, each defined by different properties.

openBIS types

- **Experiments, Objects and Datasets have types.**
- Types are defined by metadata associated with them, i.e. different properties are usually associated with different types

Object Type **Chemical**

1. Name
2. Article number
3. CAS number
4. ...

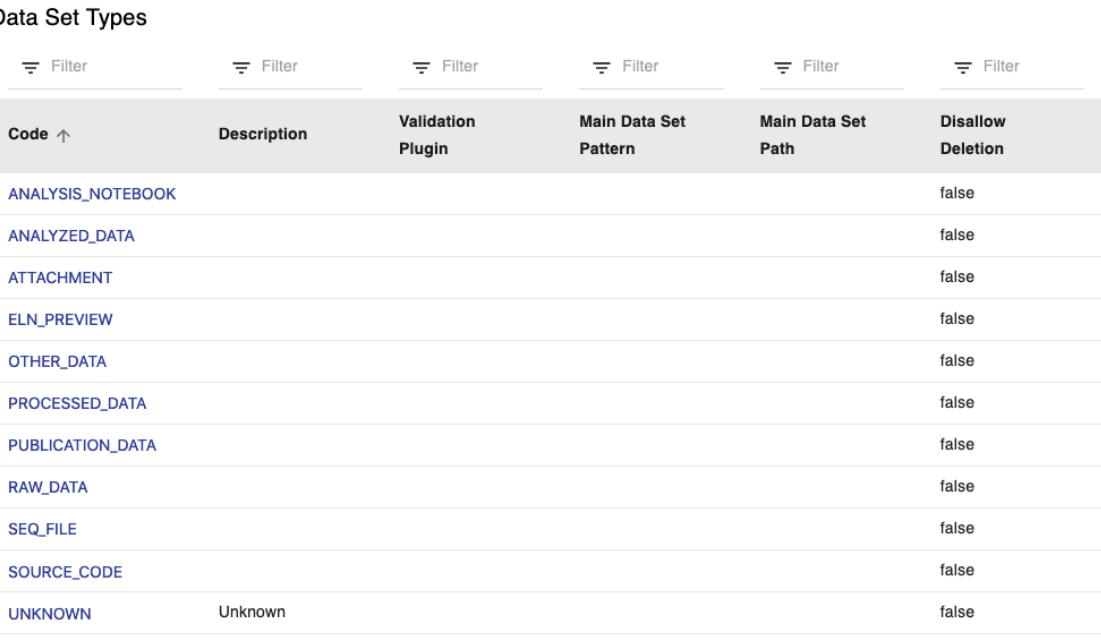
Object Type **Experimental Step**

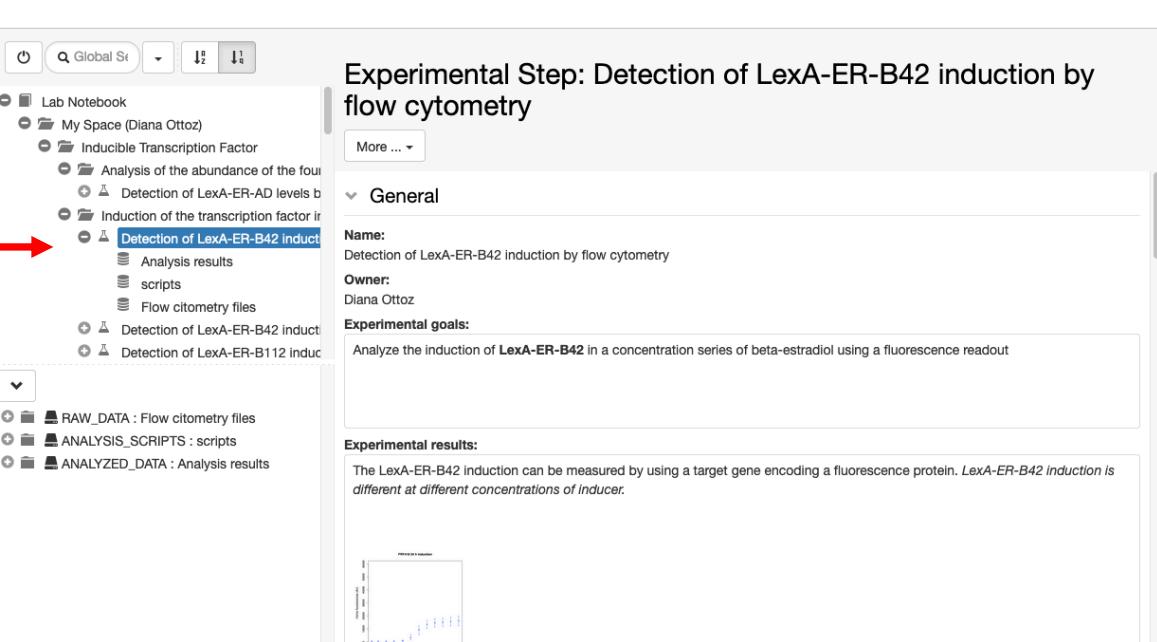
1. Name
2. Goals
3. Description
4. ...

openBIS types

- For datasets we use different types with the same metadata. In this case different types are used to provide useful classification of data in an **Experiment** or **Experimental Step** page

Code ↑	Description	Validation Plugin	Main Data Set Pattern	Main Data Set Path	Disallow Deletion
ANALYSIS_NOTEBOOK					false
ANALYZED_DATA					false
ATTACHMENT					false
ELN_PREVIEW					false
OTHER_DATA					false
PROCESSED_DATA					false
PUBLICATION_DATA					false
RAW_DATA					false
SEQ_FILE					false
SOURCE_CODE					false
UNKNOWN	Unknown				false





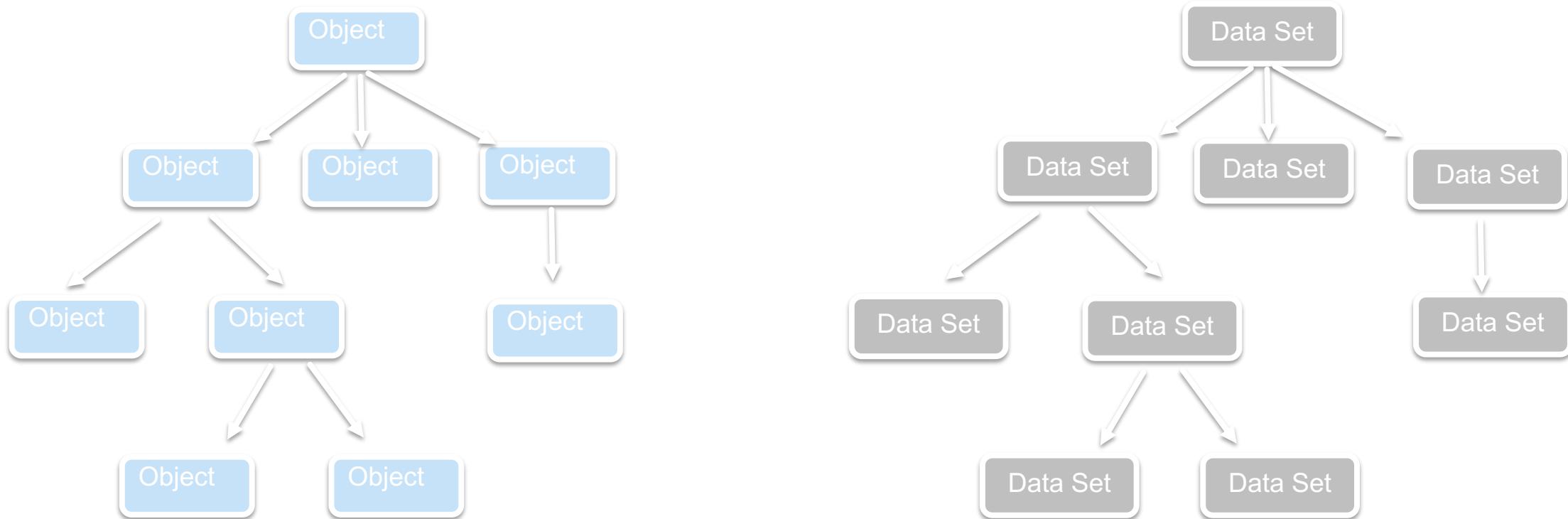


Metadata for most datasets:

1. Name
2. Notes
3. Comments

Linking objects and datasets

- openBIS objects can be linked to other objects and datasets to other datasets with $N:N$ relationship
- In openBIS terms, these are called “parent-child” relationships

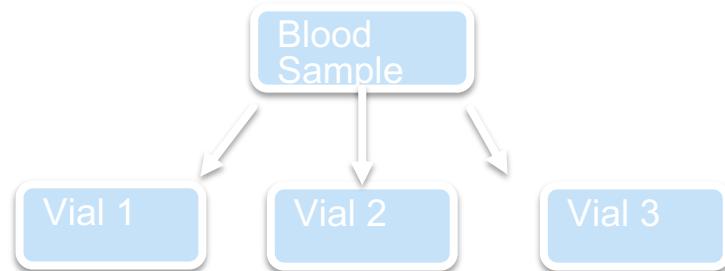


What are “parents” and “children”?

- They are a way of connecting entities together.

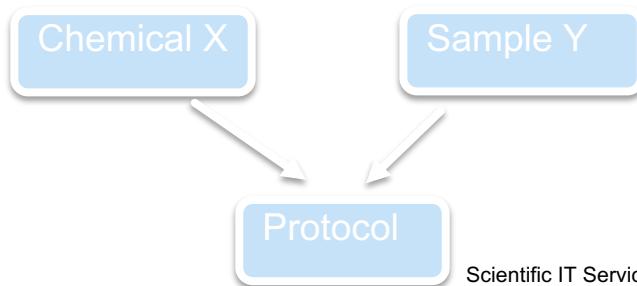
- Examples:

1. One sample is split into several vials and each of them is used for different types of measurements.



The Blood Sample is parent of the samples in each vial

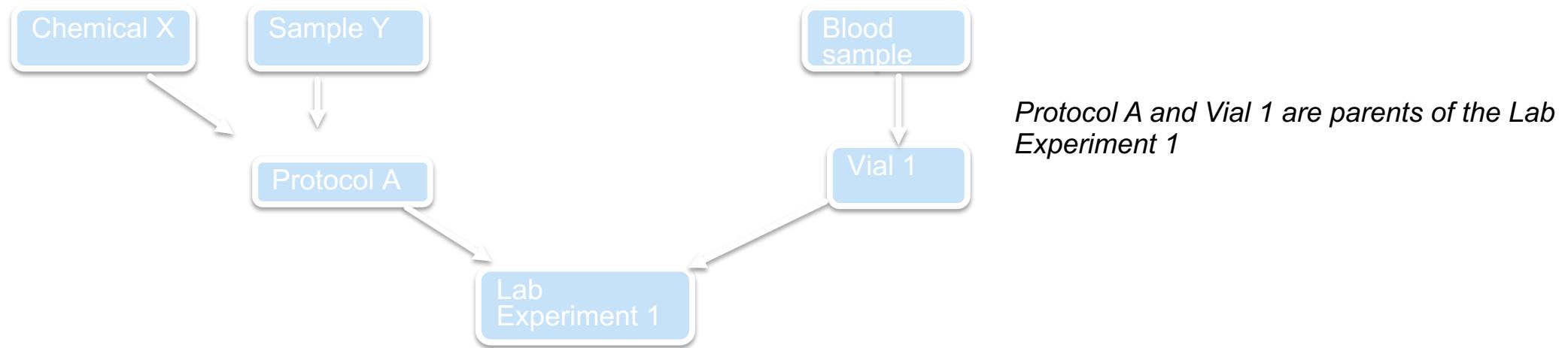
2. You write a protocol, and want to keep track of the samples used.



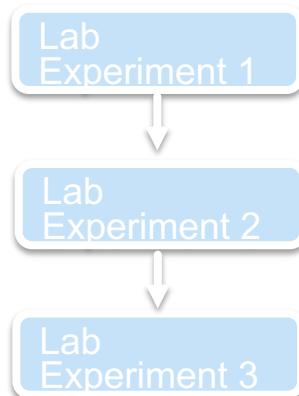
Chemical X and Sample Y are parents of the protocol

What are “parents” and “children”?

3. You describe an experiment and you want to keep track of the protocol(s) and samples used



4. You make one experiment in several steps and you want to link each step to the previous one



openBIS Users' Roles

Roles	Capabilities
Observer (Space/Project or Instance)	Read-only access to given spaces or to the whole instance.
Space/Project user	Create + edit Object, Experiment. Edit Project .
Space/Project power user	User rights +create Projects . Delete object, experiment, project, datasets. Add, update vocabulary terms.
Space/Project admin	Power user rights+ list roles; create and delete space roles; edit datasets.
Instance admin	Space admin rights + create types. Has access to everything.

Overview of openBIS tutorial

Overview of tutorial

1. Overview of Interfaces available in openBIS
2. Registration of object types
3. Dynamic properties
4. Validation plugins
5. ELN Settings
6. Users management
7. Space management

Interfaces available in openBIS

openBIS currently provides 3 web user interfaces (UI):

1. Core UI.

- First openBIS interface.
- Originally used for everything.

1. Core Interface

<https://openbis-training.ethz.ch/openbis/>

The image shows two side-by-side screenshots of the openBIS system. On the left is the login screen, featuring the openBIS logo and a 'Please login to start your session:' message. It includes fields for 'User' and 'Password' and a 'Login' button. A blue line connects this screen to the larger screenshot on the right. The right screenshot shows the 'Edit Object Type EXPERIMENTAL_STEP' page. The top navigation bar includes 'Browse', 'New', 'Import', 'Utilities', a search bar, and user information ('Admin barillac (BARILLAC_BARILLAC)'). The main content area is titled 'Entity Type Information' and contains fields for 'Code' (set to 'EXPERIMENTAL_STEP'), 'Description' (empty), 'Validation Plugin' (set to 'EXPERIMENTAL_STEP.date_range_validation'), and various checkboxes for 'Listable', 'Show Container', 'Show Parents', 'Unique Subcodes', 'Generate Codes Automatically', 'Show Parent Metadata', and 'Generated Code Prefix' (set to 'EXP'). Below this is a table titled 'Assigned Property Types' with 14 rows, showing columns for Ordinal, Section, Property Type Code, Mandatory?, Data Type, Dynamic?, Managed?, Show in Editor View?, Show Raw Value in Fo..., and Script. The table lists properties like '\$NAME', '\$SHOW_IN_PROJECT_OVERVIEW', 'FINISHED_FLAG', 'START_DATE', 'END_DATE', and various experimental details. At the bottom of the page are buttons for 'Entity: Add | Edit | Delete | Save' and a footer note 'Displaying 1 - 14 of 14 | Table: Filters | Settings | Refresh | Export'.

Interfaces available in openBIS

openBIS currently provides 3 web user interfaces (UI):

1. Core UI.

- First openBIS interface.
- Originally used for everything.

2. ELN UI.

- Development started in 2013.
- In use since 2015 as alternative user interface to core UI.

2. ELN User Interface

<https://openbis-training.ethz.ch/openbis/webapp/eln-lims/>

The image shows the openBIS user interface. On the left, there's a dark sidebar with the openBIS logo and a search bar containing 'barillac'. Below the search bar, it says 'Compatible With:' and shows icons for Chrome, Firefox, and Safari. The main area has a navigation sidebar on the left with sections like 'Lab Notebook' (containing 'My Space' and 'Others'), 'Inventory' (with 'Barillac Materials' expanded to show 'Samples' which includes 'Chemicals', 'RNA extracts', and 'Tissues'), 'Barillac Methods', 'Hluetcke Materials', 'Hluetcke Methods', 'Jarunapn Materials', 'Jarunapn Methods', 'Materials', 'Hooshmandabbasir Samples' (with 'Tissues' expanded), 'Huch Patients' (with 'HUCH_SAMPLES' and 'Tissues' expanded), 'Huch Samples' (with 'Tissues' expanded), 'Mat Samples', and 'Openbisugm01 Patients' (with 'patients' expanded). On the right, a 'New Tissue' form is displayed with tabs for 'Save', 'Templates', and 'More ...'. It has sections for 'General info' (Sample ID: 'ID of sample', Tissue type: 'Type of tissue', CRO: 'CRO', Breeder: 'Breeder', Parents: '+', Children: '+'), and 'Storage' (with a '+ New Storage Position' button). At the bottom, there's a search bar, filter options ('AND', 'OR', 'Exports and ...', 'Columns'), and a table header with columns: Link, Storage Name, Storage Code, and Storage User Id.

Interfaces available in openBIS

openBIS currently provides 3 web user interfaces (UI):

1. Core UI.

- First openBIS interface.
- Originally used for everything.

2. ELN UI.

- Development started in 2013.
- In use since 2015 as alternative user interface to core UI. Core UI still used for admin functionalities.

3. New admin interface

- Current version with most features available with openBIS v20.10.2 (latest version)

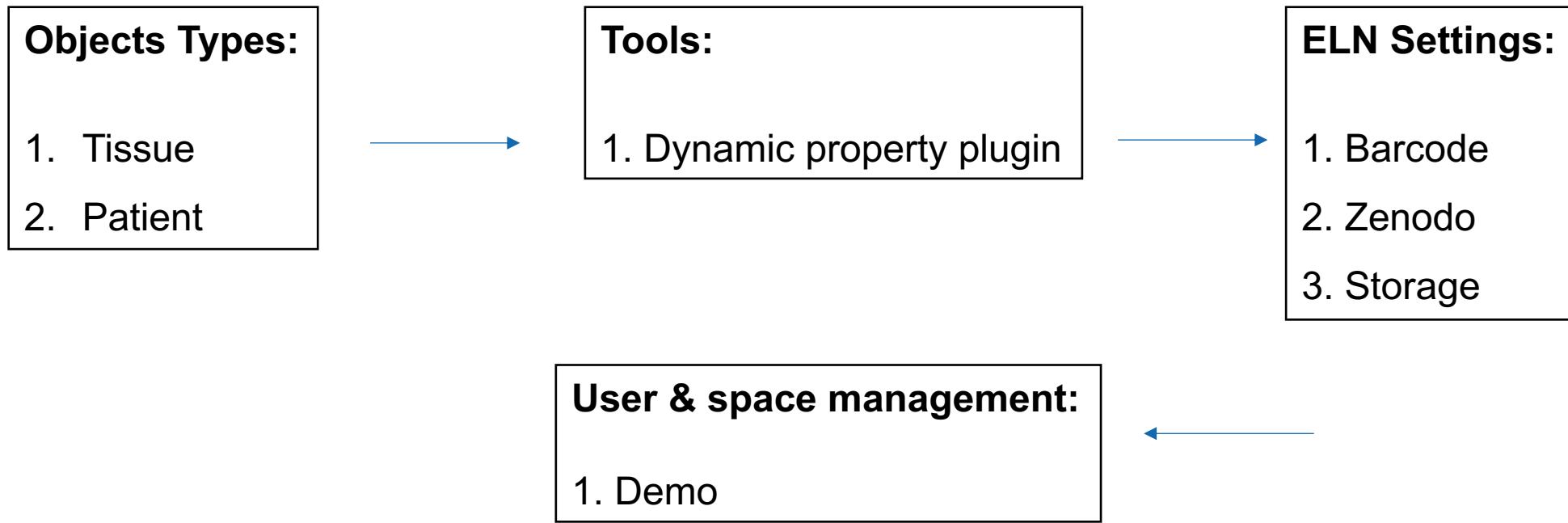
3. New Admin Interface

<https://openbis-training.ethz.ch/openbis/webapp/openbis-ng-ui/#/>

The screenshot displays the OpenBIS New Admin Interface. On the left, a modal window titled "Login" shows fields for "User" (barillac) and "Password" (redacted), with a "LOGIN" button. The main interface has a dark blue header with tabs for "TYPES", "USERS", and "TOOLS". The "TYPES" tab is active, showing a sub-header "Object Types" with a close button. Below this is a table titled "Object Types" with columns: "Code ↑", "Description", "Validation Plugin", "Generated code prefix", "Generate Codes", "Unique Subcodes", and "Sh Pa". The table lists various object types: ANTI BODY, BACTERIA, CELL LINE, CHEMICAL, ENTRY, ENZYME, EXPERIMENTAL STEP, FLY, GENERAL ELN SETTINGS, and GENERAL PROTOCOL. At the bottom of the table are buttons for "Rows per page:" (10), "1-10 of 30", and navigation icons. At the very bottom of the main interface are "ADD" and "REMOVE" buttons.

Code ↑	Description	Validation Plugin	Generated code prefix	Generate Codes	Unique Subcodes	Sh Pa
ANTIBODY			ANT	true	false	true
BACTERIA			BAC	true	false	true
CELL_LINE			CEL	true	false	true
CHEMICAL			CHE	true	false	true
ENTRY			ENTRY	true	false	true
ENZYME			ENZ	true	false	true
EXPERIMENTAL_STEP		EXPERIMENTAL_STEP.date_range_validation	EXP	true	false	true
FLY			FLY	true	false	true
GENERAL_ELN_SETTINGS			S	false	false	true
GENERAL_PROTOCOL			GEN	true	false	true

Overview of the process



Object type registration

Object type definition

TYPES USERS TOOLS Search Power

Filter

Object Types X New Object Type 1 X

Object Types

- ANTIBODY
- BACTERIA
- CELL_LINE
- CHEMICAL
- ENTRY
- ENZYME
- EXPERIMENTAL_STEP
- FLY
- GENERAL_ELN_SETTINGS
- GENERAL_PROTOCOL
- MEDIA
- OLIGO
- ORDER
- PBHOUMIK_PATIENT

Form Preview

Code

Parents

New Object Type

Code *

Description

Entity Validation Plugin

Generated code prefix *

Generate Codes

Unique Subcodes

Show Parents

Show Container

Show Parent Metadata

Listable

Object type definition

Entry	Description	Clarifications
Code	Name	Only numbers, letters, no spaces, _, -, .
Description		
Entity validation plugin	Script for validating some data entries	Eg. Ensure that someone's age is not >120 years
Generated code prefix	Prefix of the single entries that will be registered in openBIS	E.g. TIS1, TIS2, TIS3
Generate codes	Codes can be automatically generated by openBIS	Flag currently only respected for batch update. Will be fixed in next release
Unique subcodes	Not used in ELN	Legacy for backward compatibility
Show parents	Removed now.	Legacy for backward compatibility
Show Container	Removed now.	Legacy for backward compatibility
Show parents metadata	Removed now.	Legacy for backward compatibility
Listable	Removed now.	Legacy for backward compatibility

Sections in object types

A section is a way of grouping properties on the forms.

Object Type: CHEMICAL X

Form Preview

Code
CHE

Parents

General info

[\$NAME] [VARCHAR]
Name

[\$BARCODE] [VARCHAR]
Custom Barcode

Supplier and storage

[\$SUPPLIER] [VARCHAR]
Supplier

[ARTICLE_NUMBER] [VARCHAR]
Art. Number

[CAS_NUMBER] [VARCHAR]
CAS Number

[STORAGE_CONDITIONS] [CONTROLLEDVOCABULARY]
Storage conditions

References

[REFERENCE] [MULTILINE_VARCHAR]
References



New Chemical

Save Templates More ...

General info

Name:
Name

Parents +

Children +

Supplier and storage

Supplier:
Supplier of the product

Art. Number:
Article number of the product

CAS Number:
CAS number

Storage conditions:
Storage conditions of the product

References

References:

Publication:

Comments

Notes:

Registration of properties in object types

Property	
Scope *	Scope * Local
Code *	Code *
Data Type *	Data Type *
Label *	Label *
Description *	Description *
Dynamic Property Plugin	Dynamic Property Plugin
<input checked="" type="checkbox"/> Visible	
<input type="checkbox"/> Mandatory	

Entry	Description	Clarifications
Scope	Global: can be re-used across types Local: specific to the object type	E.G Name is global; Company providing tissues (CRO) is specific to the Tissue object type
Code	Unique identifier of the property	Only numbers, letters, no spaces, _, -, .
Data type	See next slide	
Label	This is what is shown in the forms	
Description		
Dynamic Property Plugin	Script for calculated properties	
Visible (now Editable)	Visible in Edit mode (will be renamed)	Currently does not work, but fixed in new release This field can be editable from an API and users don't change them.
Mandatory	Field can be set as mandatory	

\$Properties: these are internal properties that cannot be modified

Data Types

BOOLEAN
CONTROLLEDVOCABULARY
DATE
HYPERLINK
INTEGER
MATERIAL
MULTILINE_VARCHAR
REAL
SAMPLE
TIMESTAMP
VARCHAR
XML

Data type	Explanation
Boolean	True/False, Yes/No, 0/1
Controlled Vocabulary	Predefined list (dropdown)
Date	2021-05-10
Hyperlink	www.openbis.ch
Integer	5, 1500000
Material	Not used in ELN. Will be dismissed
Multiline Varchar	Long text
Real	5.1, 2/3
Object	1-1 connection to a specific object type.
Timestamp	2021-05-10 22:24:58 +0000
Varchar	One-line text
XML	Only used for special properties, such as the spreadsheet component.

Vocabulary Types

The screenshot shows a software application for managing vocabulary types. The interface has a top navigation bar with tabs for TYPES, USERS, and TOOLS, along with a search bar and a power icon.

The main area displays the following information:

- Object Type:** PATIENT
- Vocabulary Type:** TISSUE_TYPES

Sidebar (Left): Vocabulary Types

- SUPPLIER
- TISSUES
- UNKNOWN
- > Collection Types
- > Data Set Types
- Material Types
- ▼ Vocabulary Types
 - \$ORDER.ORDER_STATUS
 - \$PRODUCT.CURRENCY
 - \$STORAGE_FORMAT
 - \$STORAGE_POSITION.STORAGE_E
 - \$STORAGE.STORAGE_VALIDATION
 - \$SUPPLIER.LANGUAGE
 - \$SUPPLIER.PREFERRED_ORDER_I
 - \$WELL.COLOR_ENCODED_ANNOT/
 - TISSUE_TYPES**

Terms Table (Center):

Code ↑	Label	Description	Official
KIDNEY	Kidney		true
LIVER	Liver		true
LUNG	Lung		true

Rows per page: 10 | 1-3 of 3 | < < > >> |

Term Editor (Right):

Term

Code *	KIDNEY
Label	Kidney
Description	

Official

Bottom Buttons:

- ADD
- REMOVE
- ADD TERM
- REMOVE TERM
- SAVE
- CANCEL

Vocabulary Types

1. Vocabulary definition

New Vocabulary Type

Code *	TISSUE
Description	
URL Template	

2. Vocabulary terms

Term

Code *	LUNG
Label	Lung
Description	
<input checked="" type="checkbox"/> Official	

\$Vocabularies: internal vocabularies. Cannot be deleted, predefined terms cannot be deleted.

New terms can be added and deleted.

Type	Explanation
Code	Unique identifier. Only numbers, letters, no spaces, _, -, .
Description	
URL template	Not supported in ELN.

Type	Explanation
Code	Unique identifier. Only numbers, letters, no spaces, _, -, .
Label	This is what is shown in the forms
Description	Description of the term
Official	In some cases, it is possible to add vocabularies “on the fly” and they need to be approved by an admin as official terms. Feature not currently available in ELN.

ELN Settings

Settings - Barcode Generation

The screenshot shows the 'Settings' page with the following interface elements:

- Top Bar:** Includes a power icon, a search bar labeled 'Global S...', and two download icons.
- Left Sidebar (Main Menu):** A tree view of the application's sections:
 - Inventory
 - Materials
 - Patient
 - Patient
 - Tissues
 - Samples
 - Methods
 - Protocols
 - General Protocols
 - Publications
 - Public Repositories
 - Publications Collection
 - Stock
 - Stock Catalog
 - Stock Orders
 - Utilities
 - User Profile
 - Barcodes Generator
 - Object Browser
 - Vocabulary Browser
 - Advanced Search
 - Exports
 - Storage Manager
 - User Manager
 - Trashcan
 - Settings
 - About
- Save Button:** A blue button labeled 'Save'.
- Text Note:** A note explaining that these options allow administrators to show or hide sections from the main menu.
- Table:** A configuration table with columns 'Main Menu Item' and 'enabled'. The table lists various items with their current enabled status (checkboxes). Two specific items are highlighted with red boxes:
 - showBarcodes: Enabled (checked)
 - showLabNotebook: Enabled (checked)
 - showInventory: Enabled (checked)
 - showStock: Enabled (checked)
 - showObjectBrowser: Enabled (checked)
 - showExports: Enabled (checked)
 - showStorageManager: Enabled (checked)
 - showAdvancedSearch: Enabled (checked)
 - showUnarchivingHelper: Enabled (checked)
 - showTrashcan: Enabled (checked)
 - showVocabularyViewer: Enabled (checked)
 - showUserManager: Enabled (checked)
 - showUserProfile: Enabled (checked)
 - showZenodoExportBuilder: Disabled (unchecked)
 - showBarcodes: Enabled (checked)
 - showDatasets: Enabled (checked)

Settings - Zenodo Export

The screenshot shows the 'Settings' page with the 'Main Menu' section open. A red box highlights the 'Export to Zenodo' option under the 'Exports' category in the left sidebar menu.

Main Menu

These options give the opportunity to the administrator to show/hide different sections of the user interface from the main menu.

Main Menu Item	enabled
showLabNotebook	<input checked="" type="checkbox"/>
showInventory	<input checked="" type="checkbox"/>
showStock	<input checked="" type="checkbox"/>
showObjectBrowser	<input checked="" type="checkbox"/>
showExports	<input checked="" type="checkbox"/>
showStorageManager	<input checked="" type="checkbox"/>
showAdvancedSearch	<input checked="" type="checkbox"/>
showUnarchivingHelper	<input checked="" type="checkbox"/>
showTrashcan	<input checked="" type="checkbox"/>
showVocabularyViewer	<input checked="" type="checkbox"/>
showUserManager	<input checked="" type="checkbox"/>
showUserProfile	<input checked="" type="checkbox"/>
showZenodoExportBuilder	<input checked="" type="checkbox"/>
showBarcodes	<input checked="" type="checkbox"/>
showDatasets	<input checked="" type="checkbox"/>

Storages

Settings - Create a new storage

The screenshot shows the 'Settings' interface with the 'Storage' section selected. A red arrow points from the 'New Storage' button in the list view to the corresponding button in the detailed 'New Storage' form.

Settings

Storages

Create and browse storages.

New Storage

Code	Name	Identifier	Modification Date
BENCH	Bench	/ELN_SETTINGS/STORAGES/BENCH	2021-03-15 11:55:01
DEFAULT_STORAGE	Default Storage	/ELN_SETTINGS/STORAGES/DEFAULT_STORAGE	2021-03-15 11:55:01

1 - 2 of 2 items 10 Per Page

New Storage

General info

Name: Name

Number of Rows: Number of Rows

Number of Columns: Number of Columns

Number of Boxes: Allowed number of Boxes in a rack

Rack Space Warning: Number between 0 and 99, represents a percentage

Box Space Warning: Number between 0 and 99, represents a percentage

Validation level (*): Validation level

Metadata

Comments Log

Enabling custom widgets in ELN settings

Two widgets are currently available for some properties and need to be enabled in the Settings:

- 1. Word Processor:** Rich Text Editor available for properties of type MULTILINE_VARCHAR
- 2. Spreadsheet:** Spreadsheet component available for properties of type XML

The screenshot shows the 'Settings' page with the 'Custom Widgets' section open. On the left, there is a sidebar with various navigation links. The main area has a 'Save' button and a 'Custom Widgets' section with a note: 'Assign custom widgets to properties!'. Below this, there are two columns: 'Property Type' and 'Widget'. The 'Property Type' column lists several properties, each with a dropdown menu. The 'Widget' column shows the current selection for each property. A modal dialog is open over the 'Widget' column, listing three options: 'Word Processor', 'select widget', and 'Spreadsheet'. The 'Spreadsheet' option is highlighted with a blue background.

Property Type	Widget
\$document	Word Processor
Antibody.epitope	select widget
Antibody.isotype	Word Processor
Bacteria.genotype	Spreadsheet
Bacteria.markers	Word Processor

Settings - Templates

Settings

[Edit](#) [Show available storage space](#)

▼ **Templates**

Here you can edit your templates.

[+ New Template](#)

Code	Name	Identifier	Modification Date
ORDER_TEMPLATE		/ELN_SETTINGS/TEMPLATES/ORDER_TEMPLATE	2021-03-15 11:55:01

1 - 1 of 1 items Per Page of 1

Settings – Inventory Spaces and association of file extension with dataset types

Settings

Save

Inventory Spaces

By default all new spaces created in openBIS are shown under the Lab Notebook in the main menu. Spaces ending with postfixes listed here are shown under the Inventory.

Space

Storage + -

Stock Catalog + -

Methods + -

Materials + -

Space Read only

Ein Settings + -

Publications + -

Stock Orders + -

Dataset types for filenames

When listing a combination of file extension / Dataset Type on this section the Dataset uploader will select a Dataset Type by default. This decision can be overridden by users afterwards but provides a nice default to avoid mistakes.

Filename extension	Dataset type
.pptx	Attachment

Dynamic Property & Entity Validation Plugins

Plugins

The screenshot shows a user interface for managing plugins. At the top, there is a navigation bar with three tabs: 'TYPES', 'USERS', and 'TOOLS'. The 'TOOLS' tab is highlighted with a red box. To the right of the tabs is a search bar containing a magnifying glass icon, the word 'Search', and a refresh/circular arrow icon.

Below the navigation bar, there is a 'Filter' section with a dropdown menu set to 'Dynamic Property Plugins', indicated by a red box. This section also includes a 'Search' input field and a 'Clear' button.

The main content area displays a list of plugin configurations:

- Dynamic Property Plugins**:
 - GENETIC_MODIFICATION.genetic_m
- Entity Validation Plugins**:
 - DEFAULT_EXPERIMENT.date_range
 - EXPERIMENTAL_STEP.date_range_

Below the list, there are sections for 'Queries' and 'History'.

At the bottom left, there are two buttons: 'ADD' and 'REMOVE'.

History Deletion & Freezing



History

Navigation bar: TYPES, USERS, TOOLS, Search, Power User icon.

Left sidebar: Filter, Dynamic Property Plugins, Entity Validation Plugins, Queries, History (selected), DELETION (selected), FREEZING.

Current view: History: DELETION (selected).

Table headers: Entity Type, Entity Identifier, Entity Space, Entity Project, Entity Registrator, Entity Registration Date, Reason, Description, Content, User, Date.

Data rows:

Entity Type	Entity Identifier	Entity Space	Entity Project	Entity Registrator	Entity Registration Date	Reason	Description	Content	User	Date
OBJECT	20210921121949805-49	DEFAULT_LAB_NOTEBOOK	/DEFAULT_LAB_NOTEBOOK/DEFAULT_PROJECT	admin	2021-09-21 14:19:50	test for deletion history	20210921121949805-49	show	admin	2021-09-21 17:54:42
OBJECT	20210921121017266-48	MATERIALS	/MATERIALS/BACTERIA	admin	2021-09-21 14:10:17	duplicate	20210921121017266-48	show	admin	2021-09-21 17:52:17

Page controls: Rows per page: 10, 1-2 of 2, navigation icons, settings icon.

History

HISTORY

DELETION

Entity Type	Entity Identifier	Entity Space	Entity Project	Entity Registrator	Entity Registration Date	Reason	Description	Content	User	Date
OBJECT	20210921121949805-49	DEFAULT_LAB_NOTEBOOK	/DEFAULT_LAB_NOTEBOOK/DEFAULT_PROJECT	admin	2021-09-21 14:19:50	test for deletion history	20210921121949805-49	show	admin	2021-09-21 17:54:42
OBJECT	20210921121017266-48	MATERIALS	/MATERIALS/BACTERIA	admin	2021-09-21 14:10:17	duplicate	20210921121017266-48	show	admin	2021-09-21 17:52:17

HISTORY

FREEZING

Entity Type	Entity Identifier	Entity Space	Entity Project	Entity Registrator	Entity Registration Date	Reason	Description	Content	User	Date
OBJECT	/DEFAULT_LAB_NOTEBOOK/DEFAULT_PROJECT/ENTRY?					["freeze", "freezeForComponents", "freezeForDataSets", "freezeForParents"]			admin	2021-09-21 17:56:51
DATA_SET	20210921155624581-52					["freeze", "freezeForComponents", "freezeForContainers", "freezeForParents"]			admin	2021-09-21 17:56:51

Space Management

Spaces – core UI

<https://openbis-training.ethz.ch/openbis/>

The screenshot shows the OpenBIS core UI interface. On the left, a sidebar menu includes 'Search', 'Admin' (with icons for info and delete), and a dropdown for 'admin'. The 'Spaces' option is selected. Below the menu are links for 'Vocabularies', 'Types', 'Plugins', 'Authorization', and 'Active Users Report'. A red arrow points from the 'Admin' button in the sidebar to the 'Admin' button in the top navigation bar.

The main area features a 'Space Browser' tab. The top navigation bar includes 'Browse', 'New', 'Import', 'Utilities', a search field, and another 'Admin' button. A red arrow points from the 'New' button in the top bar to the 'New' button in the browser's toolbar.

The 'Space Browser' table lists the following spaces:

Code	Description	Registrar
DEFAULT		System User
DEFAULT_LAB_NOTEBOOK	Default Lab Notebook	System User
ELN_SETTINGS	ELN Settings	System User
MATERIALS	Folder for materials	System User
METHODS	Folder for methods	System User
PUBLICATIONS	Folder for publications	System User
STOCK_CATALOG	Folder for the catalog	System User
STOCK_ORDERS	Folder for orders	System User
STORAGE	Folder for the storage positions	System User

A modal dialog titled 'Add a new space' is open on the right. It contains fields for 'Code:' (with a placeholder 'Code: *') and 'Description:', and buttons for 'Save' and 'Cancel'. A red arrow points from the 'Add Space' button in the bottom right corner of the browser to the 'Save' button in the dialog.

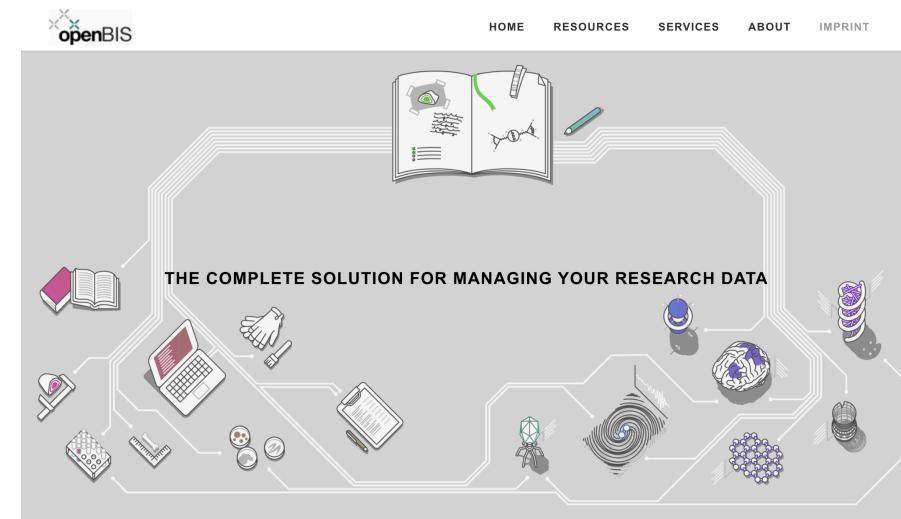
The bottom of the screen shows the URL 'https://bs-openbis-sis-ci-sprint.ethz.ch/openbis/#', a 'Refresh' button, an 'Export' dropdown, and a toolbar with 'Entity', 'Add Space', 'Edit', and 'Delete' buttons.

Contacts & useful info

Documentation & video tutorials: <https://openbis.ch/>

SIS website: <https://sis.id.ethz.ch/>

Twitter: https://twitter.com/ETH_SIS



SIS openBIS helpdesk

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