

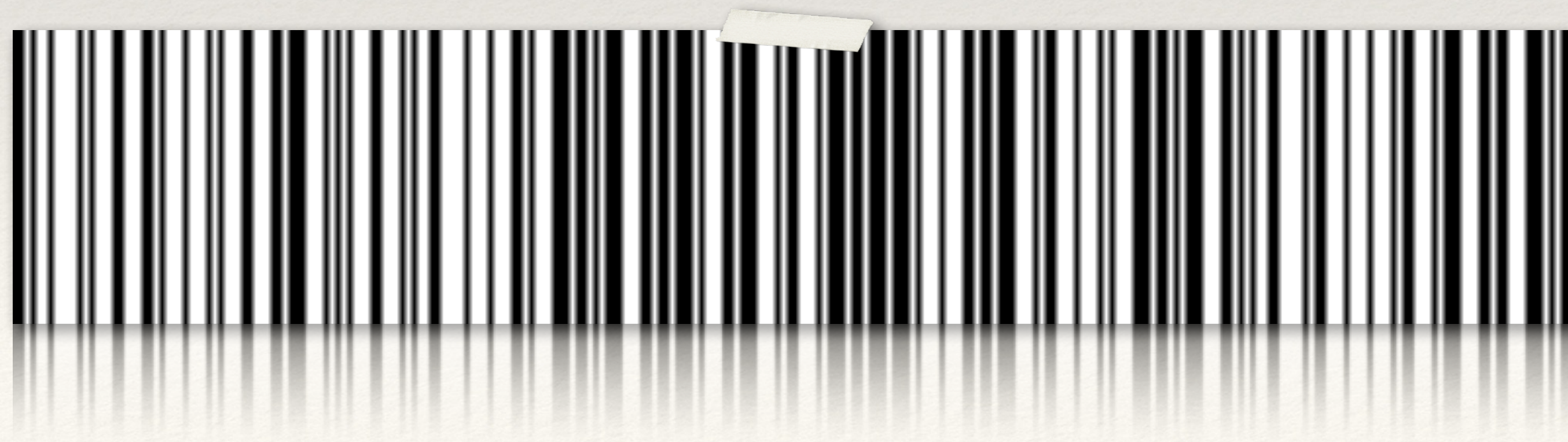


26th AGATA Week, September 2026 - Warsaw

AGATA

Construction Data Base

C.Aufranc, O.Stézowski
IP2I



Why and What is the Construction Database

- ▶ AGATA is a long term project (over decades)
- ▶ A lot of teams involved in different laboratories
- ▶ A lot of material dispatched around



We need a common database
&
We do have one since 2011 !



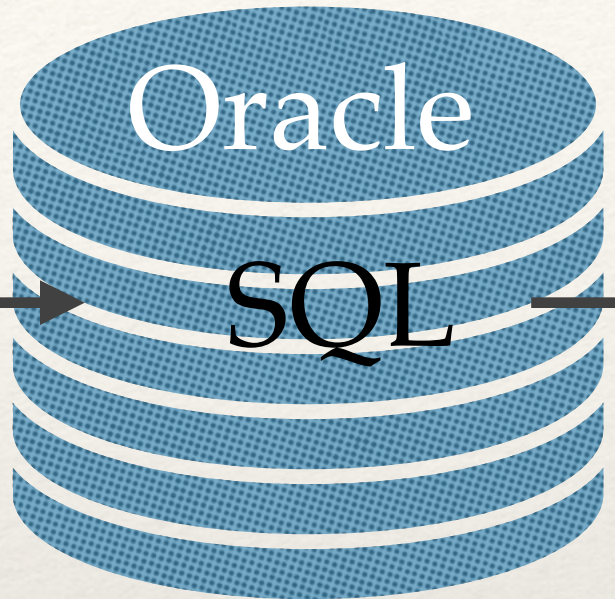
- ✓ **154 transfer boxes GANIL to LNL:**
293 objects => about 10 tons
- ✓ **Distribution of objects:**
102 DAQ, 76 Infrastructure, 58 Electronic ,
57 temporary labels for unreferenced objects

Current Construction Database at a glance



referenced in DB

hosted@CCIN2P3



Dashboards for reporting



Java application to fully interact (read / write) with the DB

AGATA Objects have a barcode
+ information attached (location, owner ...)

Welcome to the AGATA DataBase Navigator

Connection Production Status TreeViewer Quality Control WorkStations Tables Windows Plug-ins Help

Quit Open Save Print Get Update Undo Scan Query Add BM Del BM See BM SQL

Order by: Last action Position Faulty Center

Object	Flty	Ass.	OBJECT_ID	OBJECT	LASTACTION	POSITION	WHEN	...	CURRENTCENTER	CURRENTASSEM...
CABLE			DET_CAP_GRE_B001	CAPSULE	Assembly	ready	2022-01...	...	? => see its pa...	In ATC09
CAPSULE			DET_CAP_GRE_B004	CAPSULE	Assembly	ready	2022-01...	...	? => see its pa...	In ATC11
BLUC			DET_CAP_GRE_B002	CAPSULE	shipping	ready	2022-11...	...	COLOGNE	NotAssembled
1			DET_CAP_GRE_B003	CAPSULE	shipping	ready	2024-07...	...	SALAMANCA	NotAssembled
GREB			DET_CAP_GRE_B005	CAPSULE	shipping	ready	2024-07...	...	COLOGNE	NotAssembled
1										

Ok BUT an alternative is considered ... Why ?



referenced in DB

hosted@CCIN2P3

A licence is needed !
(paid by IN2P3)
Digital sovereignty

Requires SQL knowledge
to build new graphs

The whole system is complex
to maintain

Java application to fully interact (read / write) with the DB

Java application to be installed
Generic user (traceability issue)
Requires users to be formed
Requires users to practice

15 years of operations !
3 Move handled
Stable (pro) technologies

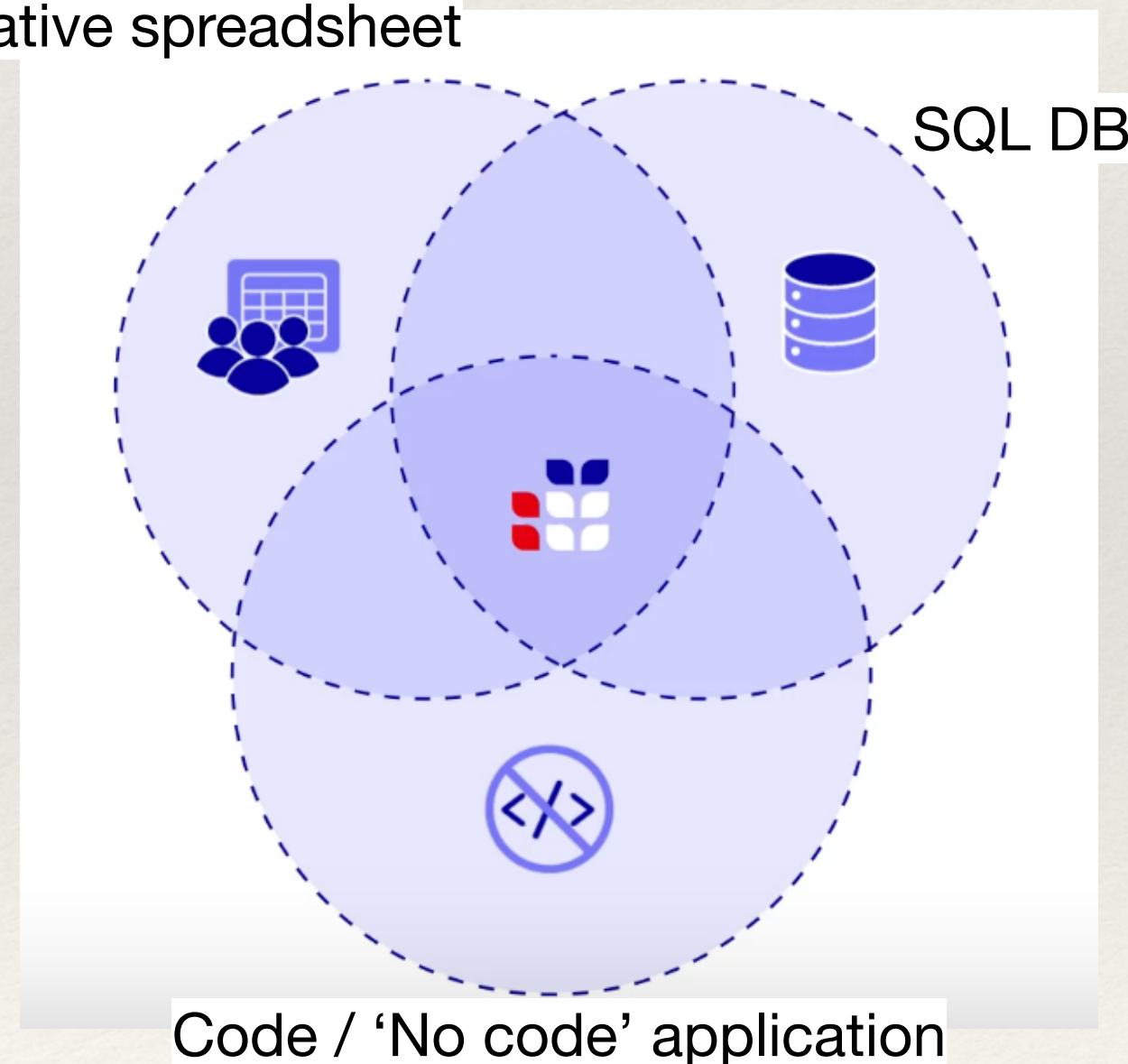
...

agatadb@ip2i.in2p3.fr

GRIST as an alternative

A definition from internet : “Grist is a modern, **Open Source spreadsheet-database** that goes beyond the limitations of traditional spreadsheets, offering **enhanced collaboration**, AI assistance, and **flexible data management capabilities**”

Collaborative spreadsheet



We have used grist in 'la Suite' to test it as DB alternative
With the following requirements :
Recovering almost same global functionalities that current DB
'Easy' to import from the current DB
As 'easy' as possible for users to read / write / display data
Possibilities to 'extend' the current solution
...

France proposed Grist as part of 'La suite'
Sovereign solution to avoid GAFA's

How it looks like with some AGATA Objects

Interface in a web browser (required identification)

Tables as in spreadsheet, fill them with data, references to other table's records or apply formulas

Many view / tables [sheets]

AGATA DB

Add new

Materials

User's Global Actions

Monitoring

Locations

Definitions

Objects Specific

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

TOOLS

Developments / FirstVersionWithDETAndDAQ / Materials

Material in Production

	OBJECT_ID	PHASE	OBJECT	LOCATION	IS_CONTAINER	COMPONENTS
1	ADC01	PII	DCLUSTER/ADC/1	KOLN		
2	ADC02	PII	DCLUSTER/ADC/1	KOLN		
3	ADC03	PII	DCLUSTER/ADC/1	KOLN		
4	ATC01	PII	TCLUSTER/ATC/1	LNL	✓	DET... DET... DET...
5	ATC02	PII	TCLUSTER/ATC/1	LNL	✓	DET... DET... DET...
6	ATC03	PII	TCLUSTER/ATC/1	LNL	✓	
7	ATC04	PII	TCLUSTER/ATC/1	LNL	✓	
8	ATC05	PII	TCLUSTER/ATC/1	LNL	✓	
9	ATC06	PII	TCLUSTER/ATC/1	KOLN	✓	
10	ATC07	PII	TCLUSTER/ATC/1	KOLN	✓	
11	ATC08	PII	TCLUSTER/ATC/1	KOLN	✓	
12	ATC09	PII	TCLUSTER/ATC/1	KOLN	✓	
13	ATC10	PII	TCLUSTER/ATC/1	KOLN	✓	
14	ATC11	PII	TCLUSTER/ATC/1	KOLN	✓	
15	ATC12	PII	TCLUSTER/ATC/1	GANIL	✓	
16	ATC13	PII	TCLUSTER/ATC/1	KOLN	✓	
17	ATC14	PII	TCLUSTER/ATC/1	GANIL	✓	
18	ATC15	PII	TCLUSTER/ATC/1	GANIL	✓	
19	ATC17	PII	TCLUSTER/ATC/1	KOLN	✓	
20	ATC18	PII	TCLUSTER/ATC/1	KOLN	✓	
21	ATC19	PII	TCLUSTER/ATC/1	LNL	✓	
22	ATC20	PII	TCLUSTER/ATC/1	KOLN	✓	
23	ATC22	PII	TCLUSTER/ATC/1	KOLN	✓	
24	ATC23	PII	TCLUSTER/ATC/1	KOLN	✓	

How it looks like with some AGATA Objects

Interface in a web browser (required identification)

Tables as in spreadsheet, fill them with data, references to other table's records or apply formulas

Many view / tables [sheets]

AGATA DB

Add new

Materials

User's Global Actions

Monitoring

Locations

Definitions

Objects Specific

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

TOOLS

Developments / FirstVersionWithDETAndDAQ / Materials

Material in Production

	data	reference	Formula (python / IA)			
	\$OBJECT_ID	\$PHASE	\$OBJECT	\$LOCATION	\$IS_CONTAINER	\$COMPONENTS
1	ADC02	PII	DCLUSTER/ADC/1	KOLN		
2	ADC03	PII	DCLUSTER/ADC/1	KOLN		
3	ATC01	PII	TCLUSTER			
4	ATC02	PII	TCLUSTER			
5	ATC03	PII	TCLUSTER			
6	ATC04	PII	TCLUSTER			
7	ATC05	PII	TCLUSTER			
8	ATC06	PII	TCLUSTER			
9	ATC07	PII	TCLUSTER			
10	ATC08	PII	TCLUSTER			
11	ATC09	PII	TCLUSTER			
12	ATC10	PII	TCLUSTER			
13	ATC11	PII	TCLUSTER			
14	ATC12	PII	TCLUSTER			
15	ATC13	PII	TCLUSTER			
16	ATC14	PII	TCLUSTER			
17	ATC15	PII	TCLUSTER			
18	ATC17	PII	TCLUSTER			
19	ATC18	PII	TCLUSTER			
20	ATC19	PII	TCLUSTER			
21	ATC20	PII	TCLUSTER			
22	ATC22	PII	TCLUSTER			
23	ATC23	PII	TCLUSTER			
24	DAO_DARRAY_01	PII	DISKARRAY/SUNX/FIRE/1			

STOCKPROD.IS_CONTAINER

```
for rule in COMPOSITION_RULES.LookupRecords():
    if $OBJECT.IS_CONTAINER :
        return True
False
```

Cancel Preview Save

AI Assistant

Hi, I'm the Grist Formula AI Assistant.

There are some things you should know when working with me:

I can only help with formulas. I cannot build tables, columns, and views, or write access rules.

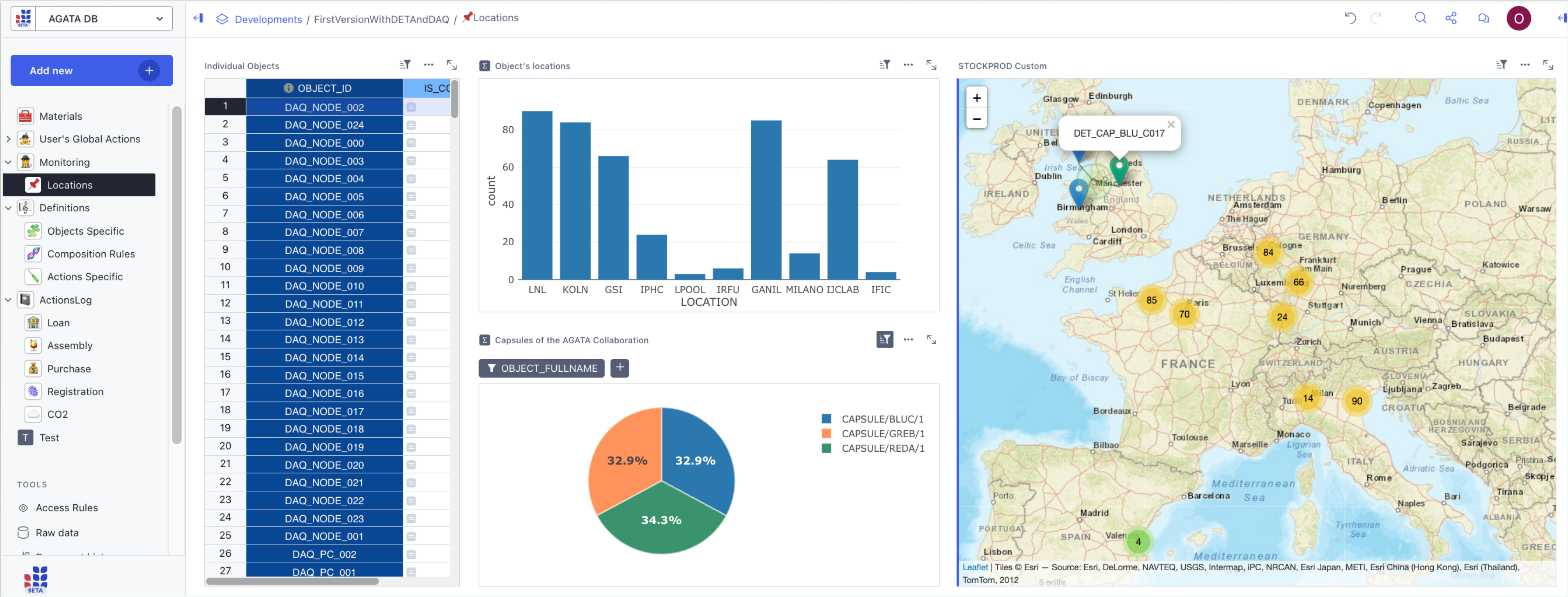
Talk to me like a person. No need to specify tables and column names. For example, you can ask "Please calculate the total invoice amount."

For more help with formulas, check out our [Function List](#) and [Formula Cheat Sheet](#), or visit our [Community](#) for more help.

What do you need help with?

How it looks like with some AGATA Objects

Many ways to view, group, data : bar (pie, ...) chart, scatter plot, and more !



How it looks like with some AGATA Objects

One can build workflows. For exemple, we would like to put informations in a temporary table then update many tables in one click

AGATA DB

Add new

Materials

User's Global Actions

- Do Registration
- Do Purchase**
- Do CO2
- Do Assembly
- Do Loan

Monitoring

- Locations

Definitions

- Objects Specific
- Composition Rules
- Actions Specific

ActionsLog

- Loan
- Assembly
- Purchase
- Registration
- CO2

Test

Developments / FirstVersionWithDETAndDAQ / Do Purchase

PENDING_PURCHASE

	OBJECT_IDS	NOTE	COST	BL	OWNER	PROVIDER	PI
1							

1 - We bought X identical objects and we fill pending_purchase

PENDING_PURCHASE Custom

Waiting for data...

How it looks like with some AGATA Objects

One can build workflows. For exemple, we would like to put informations in a temporary table then update many table in one click

AGATA DB

Add new

Materials

User's Global Actions

Do Registration

Do Purchase

Do CO2

Do Assembly

Do Loan

Monitoring

Locations

Definitions

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

TOOLS

Access Rules

Developments / FirstVersionWithDETAndDAQ / Do Purchase

	OBJECT_IDS	NOTE	COST	BL	OWNER	PROVIDER	PI
1	DAQ_SNODE_038 DAQ_SNODE_039 DAQ_SNODE_040 DAQ_SNODE_041	Replacement Analysis server	4435		IN2P3	HPE	
2							

PENDING_PURCHASE Custom

Set PURCHASE on 4 objects

['DAQ_SNODE_038', 'DAQ_SNODE_039', 'DAQ_SNODE_040', 'DAQ_SNODE_041']

2 - Click on the Set PURCHASE button

How it looks like with some AGATA Objects

One can build workflows. For exemple, we would like to put informations in a temporary table then update many table in one click

AGATA DB

Add new

Materials

User's Global Actions

Do Registration

Do Purchase

Do CO2

Do Assembly

Do Loan

Monitoring

Locations

Definitions

Objects Specific

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

Developments / FirstVersionWithDETAndDAQ / Purchase

PURCHASE

	OWNER	PROVIDER	HYPERLINK	PROVIDER_REF	COST	BL	OBJECTS_INVOLVED
1	IN2P3	HPE		Apollo 4200 Gen10 Plus S...	12554,53	CORE_P2	DAQ_DARRAY_18 DAQ_DARRAY_19 DA...
2	IN2P3	HPE		Apollo n2600 Gen10	4435,47	OC_P2	DAQ_SNO... DAQ_SNO... DAQ_SNO..
3	IN2P3	HPE		Phase 0-1 by DL360 Gen1...	2733,35	OC_P2	DAQ_S... DAQ_S... DAQ_S... DAQ...
4	IN2P3	HPE		Apollo n2600 Gen10	4440,29	OC_P2	DAQ_SNO... DAQ_SNO... DAQ_SNO..
5							

SUM 4435.47 1x8

PURCHASE Card

OBJECTS_INVOLVED

DAQ_SNODE_038 DAQ_SNODE_039 DAQ_SNODE_040 DAQ_SNODE_041

PROVIDER

HPE

PROVIDER_REF

Apollo n2600 Gen10

COST

4435,47

BL

OC_P2

OWNER

IN2P3

HYPERLINK

ACTIONS_LOGS_OBJECT_IDS_PHASE

PII

3 - records are available in other tables / views

How it looks like with some AGATA Objects

One can build workflows. For exemple, we would like to put informations in a temporary table then update many table in one click

As for the current DB, for traceability, we have built a log system for such ‘global’ actions

Add new +

Materials

User's Global Actions

- Do Registration
- Do Purchase
- Do CO2
- Do Assembly
- Do Loan

Monitoring

- Locations

Definitions

- Objects Specific
- Composition Rules
- Actions Specific

ActionsLog

- Loan
- Assembly
- Purchase
- Registration
- CO2
- Test

ACTIONS_LOGS

	OPERATOR	CREATION_DATE	ACTION_TYPE	OBJECT_IDS	NOTE	REGISTRATION	PURCHASE	ASSEMBLY	LOAN
436	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_031	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
437	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_030	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
438	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_029	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
439	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_1000	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
440	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_028	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
441	o.stezowski	2026-08-31 14:28	ASSEMBLY	ATC01 DET_CAP_RED_A001 DET_CAP_GRE_B001 DET_CAP_BLU_C001				ATC01	
442	o.stezowski	2026-08-31 14:28	ASSEMBLY	ATC02 DET_CAP_RED_A002 DET_CAP_GRE_B002 DET_CAP_BLU_C002				ATC02	
443	o.stezowski	2026-08-31 14:31	ASSEMBLY	ATC01 DET_CAP_RED_A003 DET_CAP_GRE_B001 DET_CAP_BLU_C001				ATC01	
444	o.stezowski	2026-08-31 14:31	ASSEMBLY	ATC02 DET_CAP_RED_A002 DET_CAP_GRE_B002 DET_CAP_BLU_C003				ATC02	
445	o.stezowski	2026-09-02 15:49	PURCHASE	DAQ_DARRAY_18 DAQ_DARRAY_19 DAQ_DARRAY_20	Extension CEPH to 500 To		12554,53		
446	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_038 DAQ_SNODE_039 DAQ_SNODE_040 DAQ_SNODE_041	Replacement Analysis		4435,47		
447	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_029 DAQ_SNODE_030 DAQ_SNODE_031 DAQ_SNODE_032 DAQ_SNODE_033	Replacement 5 server of		2733,35		
448	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_034 DAQ_SNODE_035 DAQ_SNODE_036 DAQ_SNODE_037	Replacement Builder		4440,29		
449									

3 - records are available in other tables

How it looks like with some AGATA Objects

But grist comes also with internal ways to track changes !

Add new

Materials

User's Global Actions

- Do Registration
- Do Purchase
- Do CO2
- Do Assembly
- Do Loan

Monitoring

- Locations

Definitions

- Objects Specific
- Composition Rules
- Actions Specific

ActionsLog

- Loan
- Assembly
- Purchase
- Registration
- CO2
- Test

ACTIONS_LOGS

	OPERATOR	CREATION_DATE	ACTION_TYPE	OBJECT_IDS	NOTE	REGISTRATION	PURCHASE	ASSEMBLY	LOAN
436	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_031	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
437	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_030	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
438	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_029	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
439	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_1000	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
440	c.aufranc	2026-07-30 12:51	REGISTRATION	DAQ_SETH_028	Initial Import from ConstDB/BigBrowser	2025-11-14 09:18			
441	o.stezowski	2026-08-31 14:28	ASSEMBLY	ATC01 DET_CAP_RED_A001 DET_CAP_GRE_B001 DET_CAP_BLU_C001				ATC01	
442	o.stezowski	2026-08-31 14:28	ASSEMBLY	ATC02 DET_CAP_RED_A002 DET_CAP_GRE_B002 DET_CAP_BLU_C002				ATC02	
443	o.stezowski	2026-08-31 14:31	ASSEMBLY	ATC01 DET_CAP_RED_A003 DET_CAP_GRE_B001 DET_CAP_BLU_C001				ATC01	
444	o.stezowski	2026-08-31 14:31	ASSEMBLY	ATC02 DET_CAP_RED_A002 DET_CAP_GRE_B002 DET_CAP_BLU_C003				ATC02	
445	o.stezowski	2026-09-02 15:49	PURCHASE	DAQ_DARRAY_18 DAQ_DARRAY_19 DAQ_DARRAY_20	Extension CEPH to 500 To		12554,53		
446	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_038 DAQ_SNODE_039 DAQ_SNODE_040 DAQ_SNODE_041	Replacement Analysis		4435,47		
447	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_029 DAQ_SNODE_030 DAQ_SNODE_031 DAQ_SNODE_032 DAQ_SNODE_033	Replacement 5 server of		2733,35		
448	o.stezowski	2026-09-02 15:50	PURCHASE	DAQ_SNODE_034 DAQ_SNODE_035 DAQ_SNODE_036 DAQ_SNODE_037	Replacement Builder		4440,29		
449									

To any table one can add a column to track who applied changes and when !

How it looks likes with some AGATA Objects

But grist comes also with internal ways to track changes !

Add new

Materials

User's Global Actions

Do Registration

Do Purchase

Do CO2

Do Assembly

Do Loan

Monitoring

Locations

Definitions

Objects Specific

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

Add new

Materials

User's Global Actions

Do Registration

Do Purchase

Do CO2

Do Assembly

Do Loan

Monitoring

Locations

Definitions

Objects Specific

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

Material in Production

		LOCATION	IS_CONTAINER	COMPONENTS	IS_A_COMPONENT	PARENT_ID	LAST_ACTION	HISTORY_REC
103		GANIL					REGISTRATION	- PHASE : PHASE[[3]] Created on 30 Jul 2026 12:47 (by c.aufranc) - IS A Component : No - IS Container : No - Location : GANIL - Object : DAQ/COMPUTINGNODE - Object Fullname : COMPUTINGNODE/SERVER/1 - Object ID : DAQ_NODE_060 - PHASE : PHASE[[3]]
104		GANIL					REGISTRATION	Modified on 02 Sep 2026 10:40 (o.stezowski) + Factorysn : new column added (CZ3443FE96) + Location Latitude : new column added (49.2131) + Location Longitude : new column added (0.3619) - LAST Action : REGISTRATION Created on 30 Jul 2026 12:47 (by c.aufranc) - IS A Component : No - IS Container : No - Location : GANIL - Object : DAQ/COMPUTINGNODE - Object Fullname : COMPUTINGNODE/SERVER/1 - Object ID : DAQ_NODE_061 - PHASE : PHASE[[3]]
105		GANIL					REGISTRATION	Modified on 02 Sep 2026 10:40 (o.stezowski) + Factorysn : new column added (CZ3443FE9E) + Location Latitude : new column added (49.2131) + Location Longitude : new column added (0.3619) - LAST Action : REGISTRATION Created on 30 Jul 2026 12:47 (by c.aufranc) - IS A Component : No - IS Container : No - Location : GANIL - Object : DAQ/COMPUTINGNODE

LOAN

One can also build dedicated column to track all changes !

To any table one can add a column to track who applied changes and when !

How it looks like with some AGATA Objects

But grist comes also with internal ways to track changes !

AGATA DB

Add new

Composition Rules

Actions Specific

ActionsLog

Loan

Assembly

Purchase

Registration

CO2

Test

TOOLS

Access Rules

Raw data

Document history

Code view

Settings

Help Center

Accessibility

Developments / FirstVersionWithDETAndDAQ / Materials

Material in Production

	OBJECT_ID	PHASE	OBJECT	LOCATION	IS_CONTAINER	COMPONENTS	IS_A_CC
1	ADC02	PII	DCLUSTER/ADC/1	KOLN			
2	ADC03	PII	DCLUSTER/ADC/1	KOLN			
3	ATC01	PII			✓	DET... DET... DET...	
4	ATC02	PII			✓	DET... DET... DET...	
5	ATC03				✓		
6	ATC04				✓		
7	ATC05				✓		
8	ATC06				✓		
9	ATC07				✓		
10	ATC08				✓		
11	ATC09				✓		
12	ATC10				✓		
13	ATC11				✓		
14	ATC12				✓		
15	ATC13	PII	TCLUSTER/ATC/1	KOLN	✓		
16	ATC14	PII	TCLUSTER/ATC/1	GANIL	✓		
17	ATC15	PII	TCLUSTER/ATC/1	GANIL	✓		
18	ATC17	PII	TCLUSTER/ATC/1	KOLN	✓		
19	ATC18	PII	TCLUSTER/ATC/1	KOLN	✓		
20	ATC19	PII	TCLUSTER/ATC/1	LNL	✓		
21	ATC20	PII	TCLUSTER/ATC/1	KOLN	✓		
22	ATC22	PII	TCLUSTER/ATC/1	KOLN	✓		
23	ATC23	PII	TCLUSTER/ATC/1	KOLN	✓		
24	DAQ_DARRAY_01	PII	DISKARRAY/SUNXFIRE/1	GSI			
25	DAQ_DARRAY_02	PII	DISKARRAY/STORAGETEK6540HEAD/1	GSI			
26	DAQ_DARRAY_03	PII	DISKARRAY/STORAGETEK6540TRAY/1	GSI			
27	DAQ_DARRAY_04	PII	DISKARRAY/STORAGETEK6540TRAY/1	GSI			

Document History

Activity Snapshots

7 minutes ago

Fri Sep 4, 2026 4:13 PM

7 minutes ago

Fri Sep 4, 2026 4:13 PM

11 minutes ago

Fri Sep 4, 2026 4:09 PM

an hour ago

Fri Sep 4, 2026 3:28 PM

an hour ago

Fri Sep 4, 2026 3:26 PM

2 hours ago

Fri Sep 4, 2026 2:44 PM

3 hours ago

Fri Sep 4, 2026 1:09 PM

4 hours ago

Fri Sep 4, 2026 12:09 PM

5 hours ago

Fri Sep 4, 2026 11:09 AM

6 hours ago

Fri Sep 4, 2026 10:09 AM

7 hours ago

There are snapshot of all documents

They can be compared & old can be recovered

Other interesting features in GRIST

Imports from excel, csv files are possible in new tables, exiting tables in add or update mode !
+ export !

Import from file **csv file contains 2 columns with OBJECT_ID & FACTORYSN**

CSV ALL_NODE_SN.csv !

DESTINATION TABLE / COLUMN MAPPING STOCKPROD

☒ Update existing records
Merge rows that match these fields:
OBJECT_ID

☒ OBJECT_ID
☐ OBJECT
☐ LOCATION
☐ STATUS
☐ FACTORYSN
☐ PHASE
☐ HISTORY_REC_RAW

FACTORYSN REFERENCE
PHASE Skip

Import Cancel ! 5 unmatched fields in import: OBJECT, LOCATION, ...

	OBJECT_ID	OBJECT	LOCATION	STATUS	FACTORYSN	PHASE	HISTORY_REC...
1	DAQ_NODE_...	OBJECTS[7]	CENTER_DE...		CZ3139VWXN	PHASE[3]	Created o... - IS A Compo... - IS Container... - Location : GSI... - Object : DA... - Object Fulln... - Object ID : ... - PHASE : P...
2	DAQ_NODE_...	OBJECTS[7]	CENTER_DE...		CZ3139VWXJ	PHASE[3]	Created o... - IS A Compo... - IS Container... - Location : GSI... - Object : DA... - Object Fulln... - Object ID : ... - PHASE : P...
3	DAQ_NODE_...	OBJECTS[7]	CENTER_DE...		CZ3139VWY7	PHASE[3]	Created o... - IS A Compo...

Import from file **FACTORYSN added based on OBJECT_ID**

CSV SNODE.csv !

DESTINATION TABLE / COLUMN MAPPING STOCKPROD

☒ Update existing records
Merge rows that match these fields:
OBJECT_ID

GRIST COLUMN SOURCE COLUMN
OBJECT_ID OBJECT_ID
OBJECT Skip
LOCATION Skip
STATUS Skip
FACTORYSN FACTORYSN
PHASE Skip

Import Cancel ! 5 unmatched fields in import: OBJECT, LOCATION, ...

	OBJECT_ID	OBJECT	LOCATION	STATUS	FACTORYSN	PHASE
115	DAQ_SNODE_044				CZUD3900F8	
116	DAQ_SNODE_045				CZUD3900F9	
117	DAQ_SNODE_046				CZUD3900F3	
118	DAQ_SNODE_047				CZUD3900FB	
119	DAQ_SNODE_048				CZUD3900FC	
120	DAQ_SNODE_049				CZUD3900FD	
121	DAQ_SNODE_050				CZUD3900FF	
122	DAQ_SNODE_051				CZUD3900FG	
123	DAQ_SNODE_052				CZUD3900FH	
124	DAQ_SNODE_053				CZUD3900FJ	
125	DAQ_SNODE_054				CZUD3900FK	
126	DAQ_SNODE_055				CZUD3900F4	
127	DAQ_SNODE_056				CZUD3900F5	
128						

With only few lines of python code, one can filled from external computer any table

Fine tuning for access rules (read / write) - per document / table / columns !

Quite large community, at least a lot of documentation on the web !

Conclusions / perspectives

- ▶ AGATA has a construction database since 2011
- ▶ It is still currently updated - Important to have it up to date !
- ▶ In parallel, we have looked at a alternative for the current product
 - ◆ which may be easier for users
 - ◆ BUT with enough guarantees to replace a very robust system
- ▶ GRIST so far seems a good solution
 - ◆ We still have tests to complete
 - ◆ If validated, if agreed by the AMB, we will :
 - ◆ Deploy a grist server @ IP2I
 - ◆ DO the migration
 - ◆