



# **Status of AGATA DataBase**

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# Outline

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- How to prepare the DataBase to help the moving of AGATA
- Reminder: new panel for transfers in GUI BigBrowser
- Current new developments

# How to prepare the DataBase to help the moving of AGATA

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## An up-to-date DataBase would facilitate the moving of AGATA:

- New objects: ask us some labels/stick and register them in the DB
- Localization of objects: do transfers in DB if possible

# Reminder

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New panel for transfers  
in GUI BigBrowser:  
panel OMove

Global view of transfers for a center (one box/transfer)

Working box in the top panel

OMove  
panel

The screenshot displays the OMove software interface. At the top, a menu bar includes 'Connection', 'Production Status', 'TreeViewer', 'Quality Control', 'WorkStations', 'Tables', 'Windows', 'Plug-ins', and 'Help'. Below the menu is a toolbar with icons for 'Quit', 'Open', 'Save', 'Print', 'Get', 'Update', 'Undo', 'Scan', 'Query', 'Add BM', 'Del BM', 'See BM', and 'SQL'. The main interface is divided into several panels:

- Left Panel (Object List):** A tree view showing a hierarchy of objects. The root is 'test\_0\*', which contains several sub-objects like 'test\_002' through 'test\_023'. Below this are folders for 'GRE', 'RED', and 'TESTASCITT'. Each object has a 'Flty' column with green checkmarks or red crosses, and an 'Ass.' column with checkboxes.
- Top Panel (Working Box):** A large panel for the selected object. It shows details for 'TRANSFERID=TR\_088' (FROM: LYON TO: COLOGNE, BY:CONVEYOR) and 'Nb of objects: 0'. It includes a 'SENDING' status indicator and a 'RECEPTION' section with a barcode input field.
- Bottom Panel (3D Visualization):** A 3D rendering of a globe with several cardboard boxes scattered on its surface. Two floating windows provide details for specific transfers: 'TRANSFERID=TR\_087' (FROM: LYON TO: COLOGNE, BY:CONVEYOR) and 'TRANSFERID=TR\_086' (FROM: COLOGNE TO: LYON, BY:CONVEYOR).

At the bottom left, it says 'connected to dev DB' and 'Last action: shipping at 2019-09-06 16:46:35'.

Other waiting transfers

Drag & Drop selected items in the working box

Enter directly barcode (or scan it)

Checks are done during the insertion of objects in the box

Remove objects from top box

The screenshot displays the AGATA software interface. On the left, a tree view lists objects such as test\_002 through test\_023, grouped under folders like GRE, RED, and TESTASCIIT. The central workspace shows a 'SENDING' window for 'test\_014' and a 'RECEPTION' window for 'test\_016'. The 'RECEPTION' window includes a barcode and the text 'DET\_CRYOST\_T\_0001'. On the right, a panel prompts the user to 'Enter Barcode of object to add:'. The top menu bar includes options like 'Connection', 'Production Status', 'Trees', 'Error', 'WorkStations', 'Tables', 'Windows', 'Plug-ins', and 'Help'. A toolbar below the menu contains icons for 'Quit', 'Open', 'Save', 'Print', 'Update', 'Undo', 'Scan', 'Query', 'Add BM', 'Del BM', 'See BM', and 'SQL'. The status bar at the bottom indicates 'connected to dev DB' and 'Last action: shipping at 2019-09-06 16:46:35'.

Update the top transfer box only

Add a new transfer box

The screenshot displays the AGATA software interface. At the top, a menu bar includes 'Connection', 'Production Status', 'TreeViewer', 'Quality Control', 'WorkStations', 'Tables', 'Windows', 'Plug-ins', and 'Help'. Below the menu is a toolbar with icons for 'Quit', 'Open', 'Save', 'Print', 'Get', 'Update', 'Undo', 'Scan', 'Query', 'Add BM', 'Del BM', 'See BM', and 'SQL'. The main window is divided into several sections:

- Left Panel (Object Browser):** A tree view showing a hierarchy of objects. The root is 'test\_0\*', which contains a folder '2' with objects 'test\_002' through 'test\_023', and a folder 'GRE' with a sub-folder '1' containing 'test\_011' and 'test\_012'. Below 'GRE' is a folder 'RED' with a sub-folder '1' containing 'test\_003'. At the bottom are folders 'TESTASCIIT' and 'TESTASCITYPE', with 'TESTASCITYPE' containing a sub-folder 'TESTASCII' with object 'test\_010'. Each object has a 'Flity' status (green checkmark or red X) and an 'Ass.' checkbox.
- Top Right Panel (Transfer Box Details):** A panel for 'TRANSFERID=TR\_087' showing 'FROM: LYON TO: COLOGNE, BY:CONVEYOR', 'Sending date: 2019-09-11T14:53:27', and 'Comment:'. Below this is a 'SENDING' section for 'test\_019' with the note 'CAPSULE type: BLU version 2 / Contains no object'. To the right of this panel is a control area with a green '+' button, a red '-' button, and a pencil icon. Below these buttons is a text input field labeled 'Enter Barcode of object to add:'.
- Bottom Panel (3D Simulation):** A 3D rendering of a conveyor belt system with several cardboard boxes. Two boxes are highlighted with callout boxes:

Transfer ID	Direction	From	To	By	Sending Date	Comment	Nb of objects
TR_086	RECEPTION	COLOGNE	LYON	BY:CONVEYOR	2019-09-06T14:41:41	reception date will	2
TR_088	SENDING	LYON	COLOGNE	BY:CONVEYOR	2019-09-11T14:54:57		1

Double click on a box to swap it with working box

Drag & Drop boxes in the waiting list to change order

Prepared sending transfers are kept stored in file

The screenshot displays the AGATA software interface. On the left is a tree view of objects, including test\_002 through test\_023, and folders like GRE, RED, and TESTASCITT. The central area shows a 3D rendering of a factory floor with several cardboard boxes. On the right, there is a panel for adding objects, with a text input field labeled "Enter Barcode of object to add:". Three callout boxes provide details for specific transfers:

- TR\_087 (Sending):** FROM: LYON TO: COLOGNE, BY: CONVEYOR. Sending date: 2019-09-11T14:53:27. Comment: Test. Nb of objects: 1.
- TR\_086 (Reception):** FROM: COLOGNE TO: LYON, BY: CONVEYOR. Sent on: 2019-09-06T14:41:41, reception date will. Comment: Test. Nb of objects: 2.
- TR\_088 (Sending):** FROM: LYON TO: COLOGNE, BY: CONVEYOR. Sending date: 2019-09-11T14:54:57. Comment: Test. Nb of objects: 1.

Load documentation on this panel (open pdf file)

Ongoing transfer are automatically loaded



# Current new developments

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## Motivations:

- Provide a tool to visualize at one glance the status of the DataBase
- Nothing to install on your laptop



## Currently:

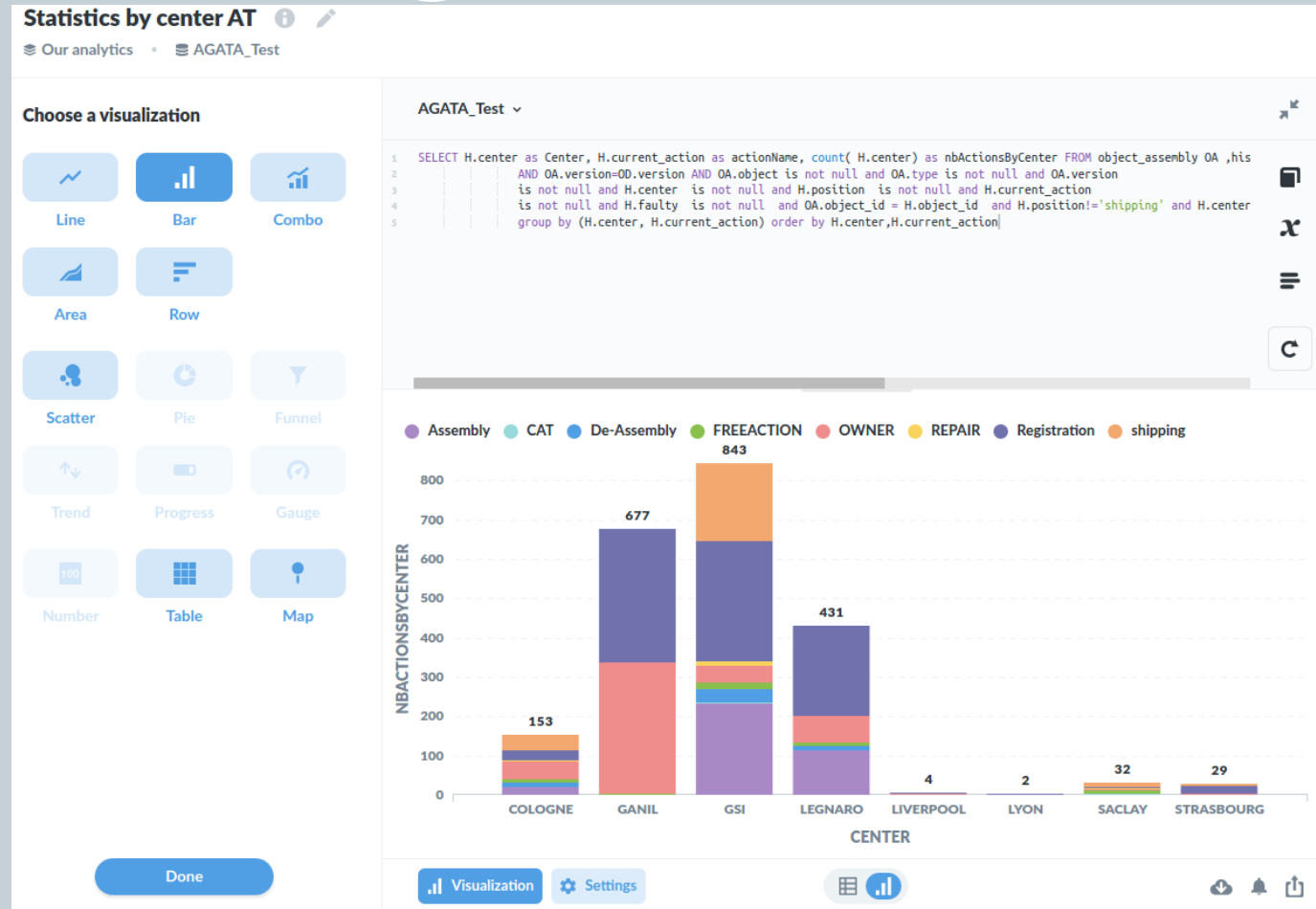
- We have found a dashboard tool: Metabase =a Web application, you access it via your browser
- Written in Java, Open source, free if we host the server
- Server installed on my laptop at that day for development/tests, for production we are working with the CCIN2P3 to host it on their Kubernetes cluster

# Current new developments

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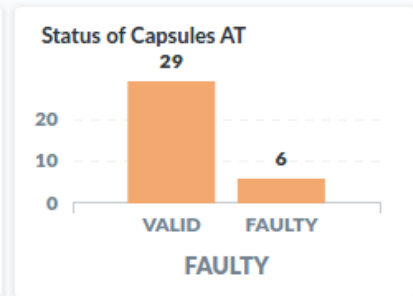
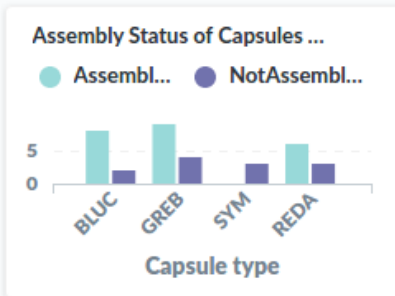
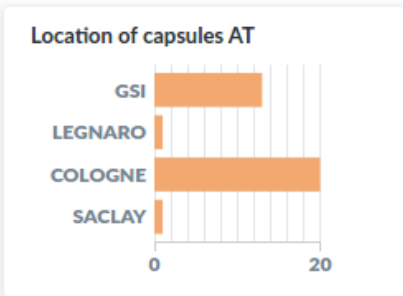
## Principle:

- a dashboard is composed of questions
- each question is based on an SQL request, depending on the returned values, the tool proposes different visualisations



### Ongoing Transfers AT

TRANSFER_ID	SENDINGDATE	SENDER
test002	30/01/2014 16:49:25	LYON



### Objects in ongoing transfers AT

TRANSFER_ID	OBJECT_ID
test002	DSS_BCREADER_01

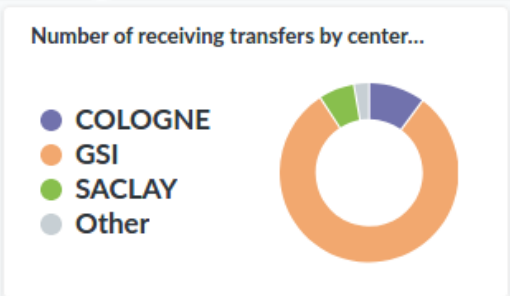
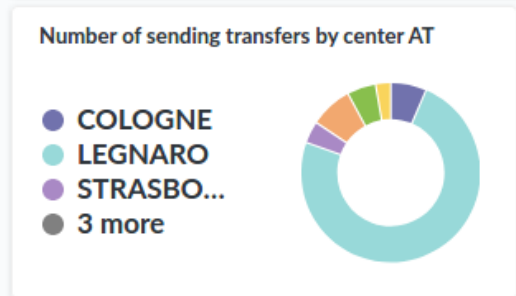
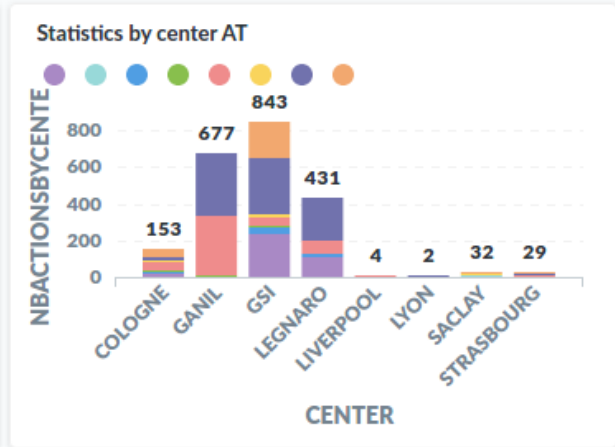
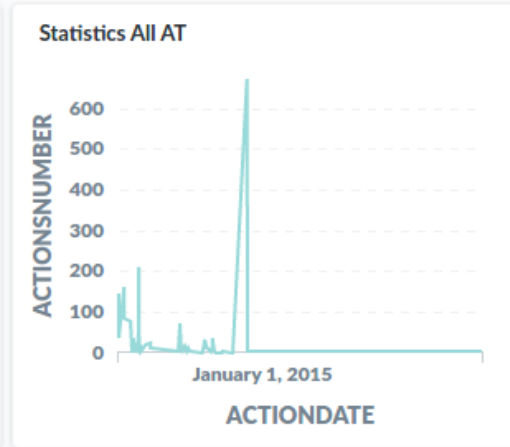
### HistoryAll AT

OBJECT_ID	OBJECT	TYPE_DESCRIPTION	VERSION	CENTER	POSITION	LASTACTION	FAULTY
DAO NODE 000	COMPUTINGNODE	Server	1	GSI	ready	REPAIR	F

Rows 1-1 of 2000

## IMPORTANT

**Moving of AGATA in 2021: prepare it by updating your data in the database**



# Current new developments

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## Other functionalities:

- Possibilities to define different dashboards : a global one, more specific one's (ex: by laboratory), some mixed dashboards (ex: AGATA+NEDA) , ...
- Different permissions: we can give you rights to define your own (private) dashboard
- Possibilities to send alerts and pulses (reports) periodically by email

=>Send us an mail to list your needs

Thank you for your attention