Base de Données de construction d'AGATA

AGATA France
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PLAN

- Introduction
- La « production » en 2014
- Retour d’expériences et bilan
- Autour de la Base de Données (BD)
- Perspectives

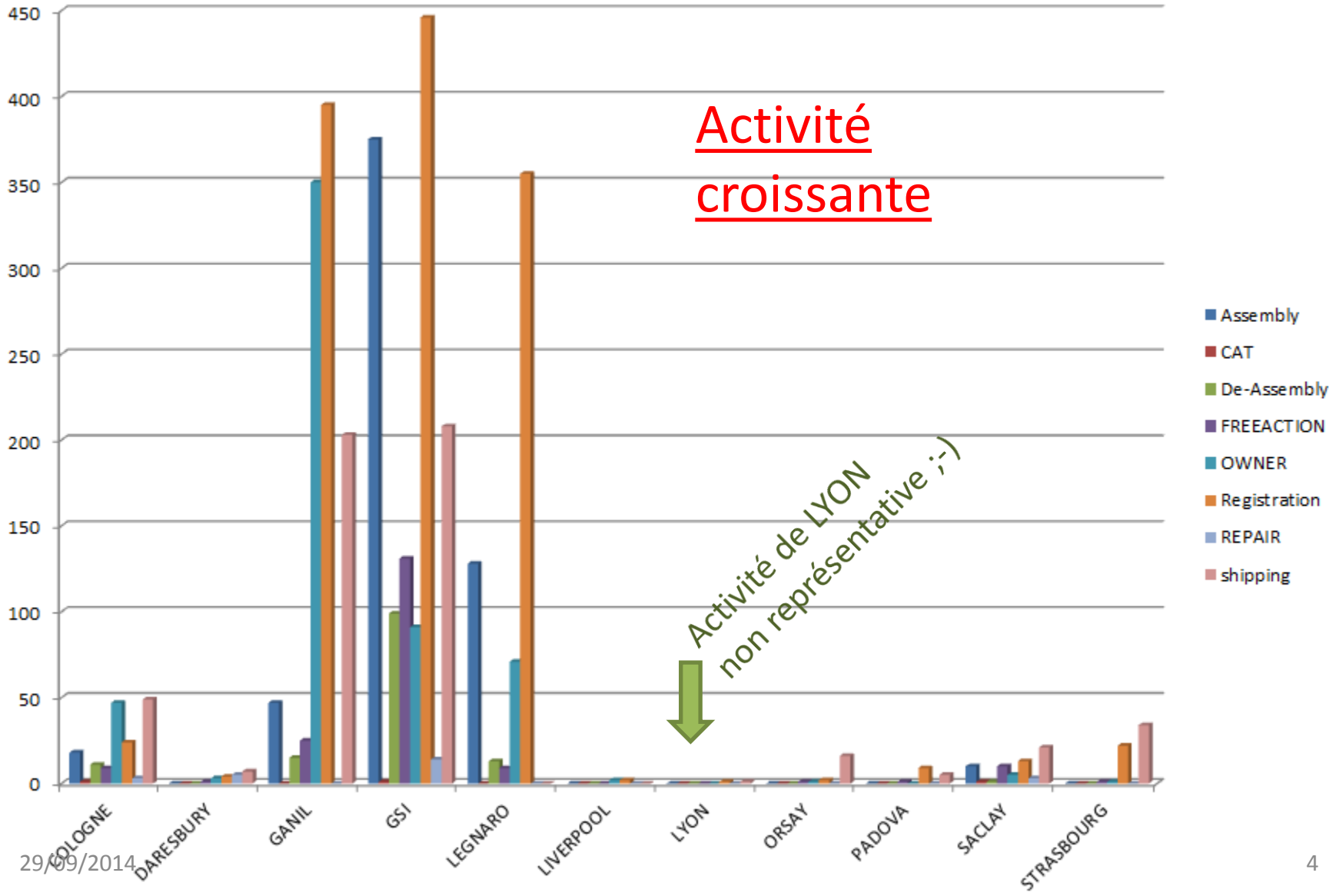
INTRODUCTION

AGATA: complexe/grossit/évolue (nouvelles technos)/bouge

=>*BD adoptée en 2010 par la collaboration car* ***indispensable*** *pour un tel projet!*

Depuis: utilisé pour LNL, GSI puis GANIL, et 2 déménagements

INTRODUCTION
Les différents incréments par centre



ACTIVITES de production
(depuis la dernière AGATA WEEK)

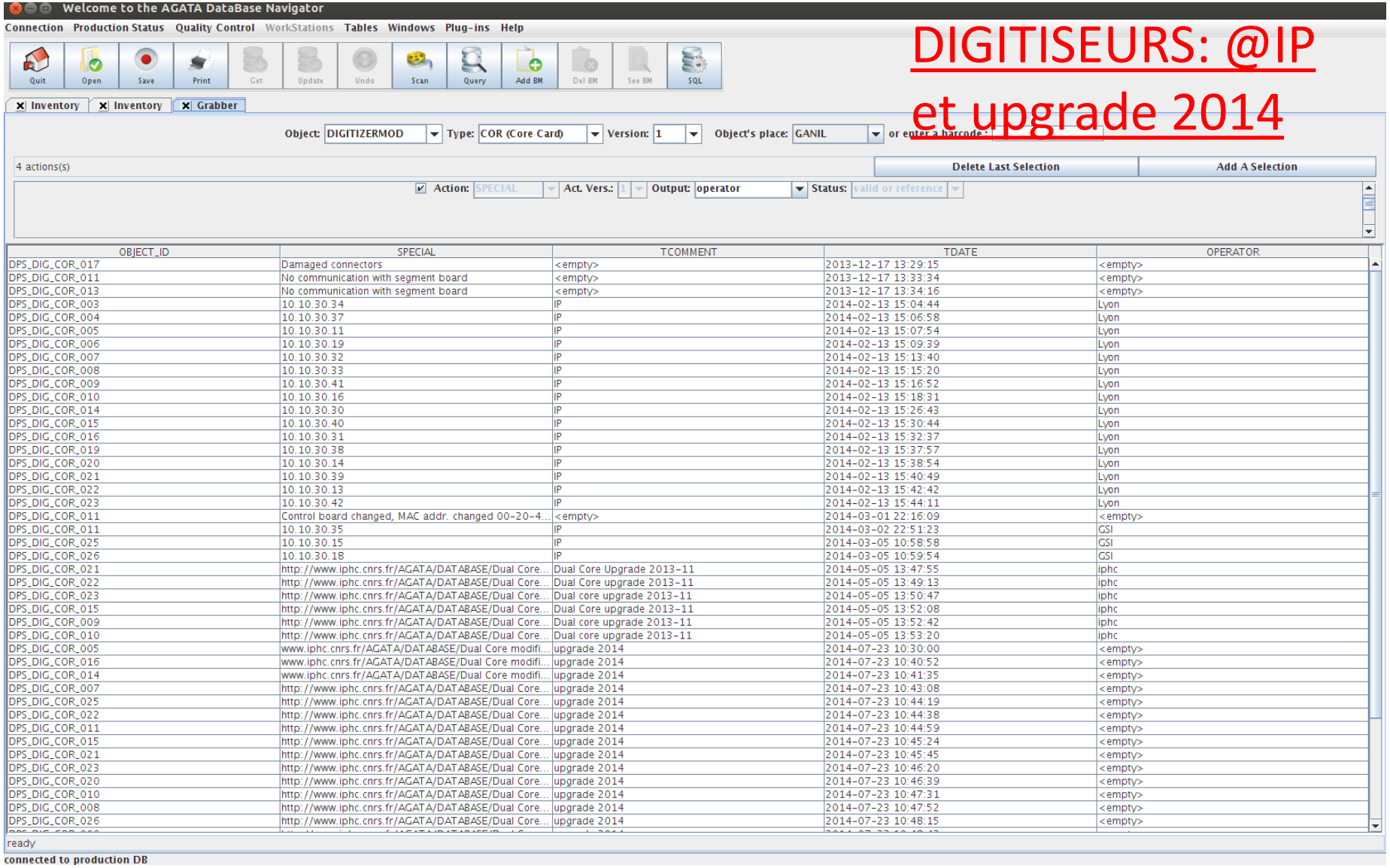
- Janvier à mai 2014: Mise à jour des données pour la fin de GSI:

LVPS, électronique, digitiseurs (@MAC/IP, upgrade 2014), détecteurs..

- Déménagement en Juin vers GANIL:

77% des objets actuellement au GANIL

ACTIVITES de production



OBJECT_ID	SPECIAL	TCOMMENT	TDATE	OPERATOR
DPS_DIG_COR_017	Damaged connectors	<empty>	2013-12-17 13:29:15	<empty>
DPS_DIG_COR_011	No communication with segment board	<empty>	2013-12-17 13:33:34	<empty>
DPS_DIG_COR_013	No communication with segment board	<empty>	2013-12-17 13:34:16	<empty>
DPS_DIG_COR_003	10.10.30.34	IP	2014-02-13 15:04:44	Lyon
DPS_DIG_COR_004	10.10.30.37	IP	2014-02-13 15:06:58	Lyon
DPS_DIG_COR_005	10.10.30.11	IP	2014-02-13 15:07:54	Lyon
DPS_DIG_COR_006	10.10.30.19	IP	2014-02-13 15:09:39	Lyon
DPS_DIG_COR_007	10.10.30.32	IP	2014-02-13 15:13:40	Lyon
DPS_DIG_COR_008	10.10.30.33	IP	2014-02-13 15:15:20	Lyon
DPS_DIG_COR_009	10.10.30.41	IP	2014-02-13 15:16:52	Lyon
DPS_DIG_COR_010	10.10.30.16	IP	2014-02-13 15:18:31	Lyon
DPS_DIG_COR_014	10.10.30.30	IP	2014-02-13 15:26:43	Lyon
DPS_DIG_COR_015	10.10.30.40	IP	2014-02-13 15:30:44	Lyon
DPS_DIG_COR_016	10.10.30.31	IP	2014-02-13 15:32:37	Lyon
DPS_DIG_COR_019	10.10.30.38	IP	2014-02-13 15:37:57	Lyon
DPS_DIG_COR_020	10.10.30.14	IP	2014-02-13 15:38:54	Lyon
DPS_DIG_COR_021	10.10.30.39	IP	2014-02-13 15:40:49	Lyon
DPS_DIG_COR_022	10.10.30.13	IP	2014-02-13 15:42:42	Lyon
DPS_DIG_COR_023	10.10.30.42	IP	2014-02-13 15:44:11	Lyon
DPS_DIG_COR_011	Control board changed, MAC addr. changed 00-20-4...	<empty>	2014-03-01 22:16:09	<empty>
DPS_DIG_COR_011	10.10.30.35	IP	2014-03-02 22:51:23	GSI
DPS_DIG_COR_025	10.10.30.15	IP	2014-03-05 10:58:58	GSI
DPS_DIG_COR_026	10.10.30.18	IP	2014-03-05 10:59:54	GSI
DPS_DIG_COR_021	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual Core Upgrade 2013-11	2014-05-05 13:47:55	iphc
DPS_DIG_COR_022	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual Core upgrade 2013-11	2014-05-05 13:49:13	iphc
DPS_DIG_COR_023	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual core upgrade 2013-11	2014-05-05 13:50:47	iphc
DPS_DIG_COR_015	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual Core upgrade 2013-11	2014-05-05 13:52:08	iphc
DPS_DIG_COR_009	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual core upgrade 2013-11	2014-05-05 13:52:42	iphc
DPS_DIG_COR_010	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	Dual core upgrade 2013-11	2014-05-05 13:53:20	iphc
DPS_DIG_COR_005	www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core modifi...	upgrade 2014	2014-07-23 10:30:00	<empty>
DPS_DIG_COR_016	www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core modifi...	upgrade 2014	2014-07-23 10:40:52	<empty>
DPS_DIG_COR_014	www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core modifi...	upgrade 2014	2014-07-23 10:41:35	<empty>
DPS_DIG_COR_007	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:43:08	<empty>
DPS_DIG_COR_025	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:44:19	<empty>
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DPS_DIG_COR_011	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:44:59	<empty>
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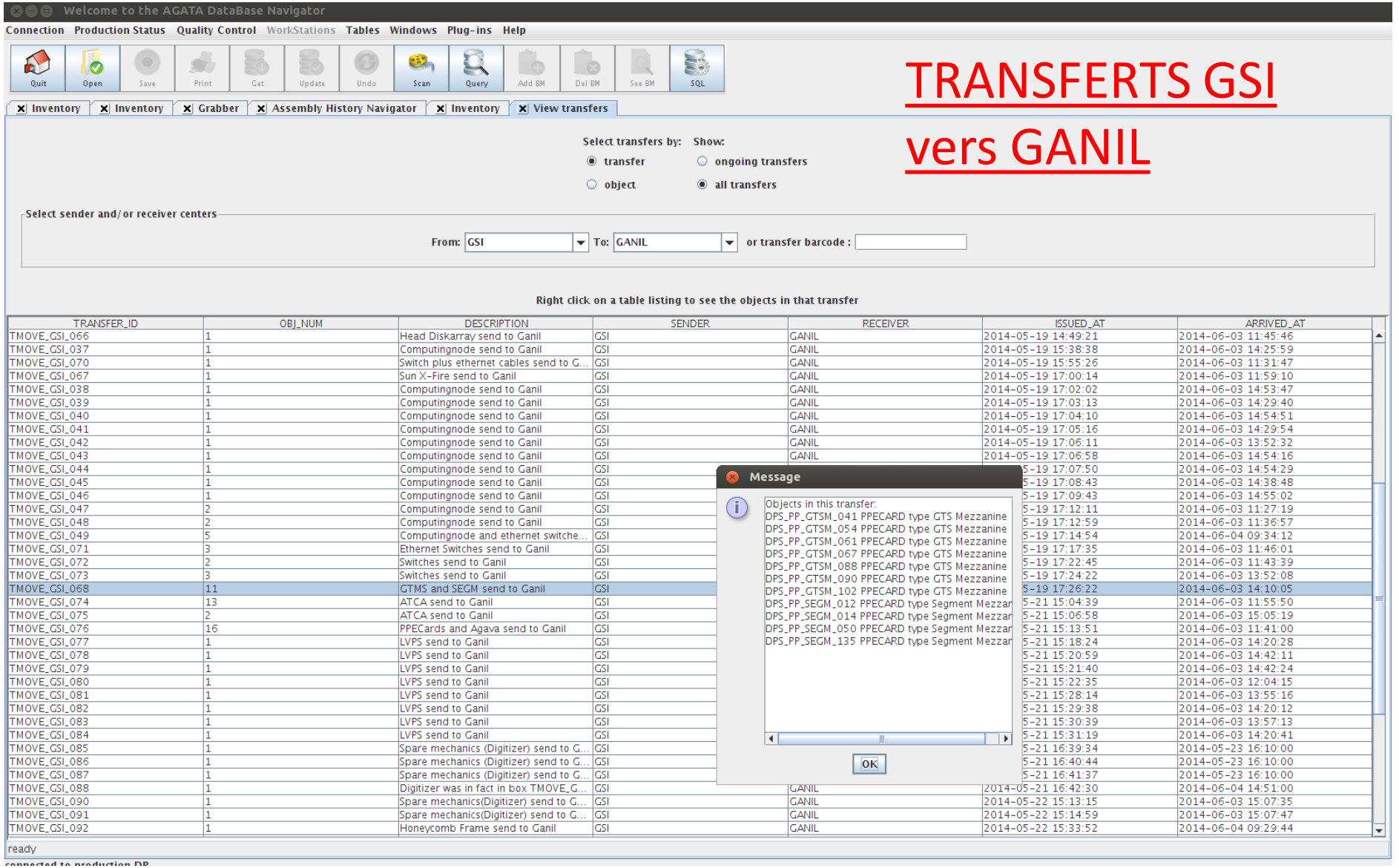
DPS_DIG_COR_023	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:46:20	<empty>
DPS_DIG_COR_020	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:46:39	<empty>
DPS_DIG_COR_010	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:47:31	<empty>
DPS_DIG_COR_008	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:47:52	<empty>
DPS_DIG_COR_026	http://www.iphc.cnrs.fr/AGATA/DATABASE/Dual Core...	upgrade 2014	2014-07-23 10:48:15	<empty>

DIGITISEURS: @IP et upgrade 2014

ACTIVITES de production



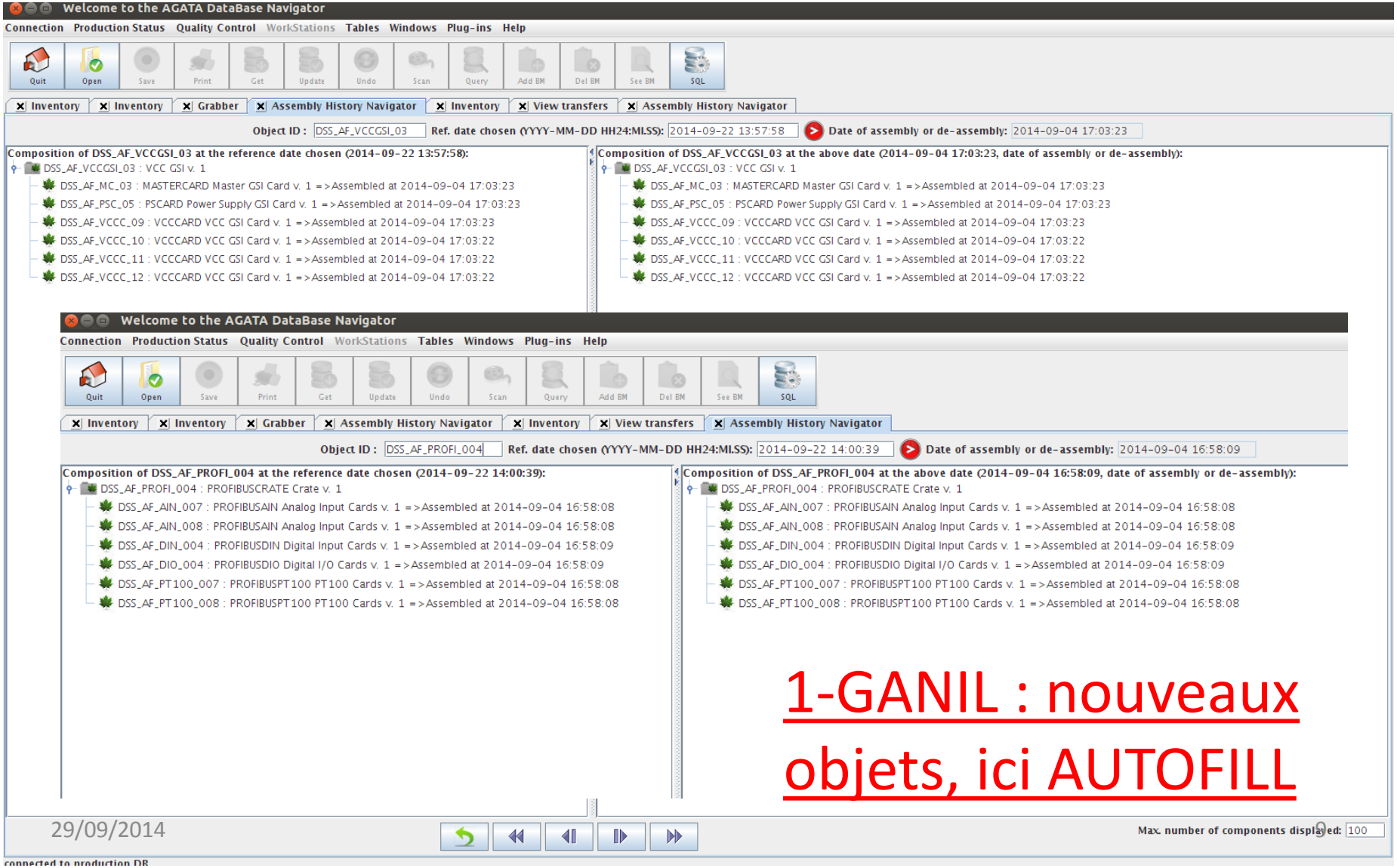
TRANSFER_ID	OBJ_NUM	DESCRIPTION	SENDER	RECEIVER	ISSUED_AT	ARRIVED_AT
TMOVE_GSI_066	1	Head Diskarray send to Ganil	GSI	GANIL	2014-05-19 14:49:21	2014-06-03 11:45:46
TMOVE_GSI_037	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 15:38:38	2014-06-03 14:25:59
TMOVE_GSI_070	1	Switch plus ethernet cables send to G...	GSI	GANIL	2014-05-19 15:55:26	2014-06-03 11:31:47
TMOVE_GSI_067	1	Sun X-Fire send to Ganil	GSI	GANIL	2014-05-19 17:00:14	2014-06-03 11:59:10
TMOVE_GSI_038	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:02:02	2014-06-03 14:53:47
TMOVE_GSI_039	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:03:13	2014-06-03 14:29:40
TMOVE_GSI_040	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:04:10	2014-06-03 14:54:51
TMOVE_GSI_041	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:05:16	2014-06-03 14:29:54
TMOVE_GSI_042	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:06:11	2014-06-03 13:52:32
TMOVE_GSI_043	1	Computingnode send to Ganil	GSI	GANIL	2014-05-19 17:06:58	2014-06-03 14:54:16
TMOVE_GSI_044	1	Computingnode send to Ganil	GSI	GANIL	5-19 17:07:50	2014-06-03 14:54:29
TMOVE_GSI_045	1	Computingnode send to Ganil	GSI	GANIL	5-19 17:08:43	2014-06-03 14:38:48
TMOVE_GSI_046	1	Computingnode send to Ganil	GSI	GANIL	5-19 17:09:43	2014-06-03 14:55:02
TMOVE_GSI_047	2	Computingnode send to Ganil	GSI	GANIL	5-19 17:12:11	2014-06-03 11:27:19
TMOVE_GSI_048	2	Computingnode send to Ganil	GSI	GANIL	5-19 17:12:59	2014-06-03 11:36:57
TMOVE_GSI_049	5	Computingnode and ethernet switche...	GSI	GANIL	5-19 17:14:54	2014-06-04 09:34:12
TMOVE_GSI_071	3	Ethernet Switches send to Ganil	GSI	GANIL	5-19 17:17:35	2014-06-03 11:46:01
TMOVE_GSI_072	2	Switches send to Ganil	GSI	GANIL	5-19 17:22:45	2014-06-03 11:43:39
TMOVE_GSI_073	3	Switches send to Ganil	GSI	GANIL	5-19 17:24:22	2014-06-03 13:52:08
TMOVE_GSI_068	11	GTMS and SEGM send to Ganil	GSI	GANIL	5-19 17:26:22	2014-06-03 14:10:05
TMOVE_GSI_074	13	ATCA send to Ganil	GSI	GANIL	5-21 15:04:39	2014-06-03 11:55:50
TMOVE_GSI_075	2	ATCA send to Ganil	GSI	GANIL	5-21 15:06:58	2014-06-03 15:05:19
TMOVE_GSI_076	16	PPECards and Agava send to Ganil	GSI	GANIL	5-21 15:13:51	2014-06-03 11:41:00
TMOVE_GSI_077	1	LVPS send to Ganil	GSI	GANIL	5-21 15:18:24	2014-06-03 14:20:28
TMOVE_GSI_078	1	LVPS send to Ganil	GSI	GANIL	5-21 15:20:59	2014-06-03 14:42:11
TMOVE_GSI_079	1	LVPS send to Ganil	GSI	GANIL	5-21 15:21:40	2014-06-03 14:42:24
TMOVE_GSI_080	1	LVPS send to Ganil	GSI	GANIL	5-21 15:22:35	2014-06-03 12:04:15
TMOVE_GSI_081	1	LVPS send to Ganil	GSI	GANIL	5-21 15:28:14	2014-06-03 13:55:16
TMOVE_GSI_082	1	LVPS send to Ganil	GSI	GANIL	5-21 15:29:38	2014-06-03 14:20:12
TMOVE_GSI_083	1	LVPS send to Ganil	GSI	GANIL	5-21 15:30:39	2014-06-03 13:57:13
TMOVE_GSI_084	1	LVPS send to Ganil	GSI	GANIL	5-21 15:31:19	2014-06-03 14:20:41
TMOVE_GSI_085	1	Spare mechanics (Digitizer) send to G...	GSI	GANIL	5-21 16:39:34	2014-05-23 16:10:00
TMOVE_GSI_086	1	Spare mechanics (Digitizer) send to G...	GSI	GANIL	5-21 16:40:44	2014-05-23 16:10:00
TMOVE_GSI_087	1	Spare mechanics (Digitizer) send to G...	GSI	GANIL	5-21 16:41:37	2014-05-23 16:10:00
TMOVE_GSI_088	1	Digitizer was in fact in box TMOVE_G...	GSI	GANIL	2014-05-21 16:42:30	2014-06-04 14:51:00
TMOVE_GSI_090	1	Spare mechanics(Digitizer) send to G...	GSI	GANIL	2014-05-22 15:13:15	2014-06-03 15:07:35
TMOVE_GSI_091	1	Spare mechanics(Digitizer) send to G...	GSI	GANIL	2014-05-22 15:14:59	2014-06-03 15:07:47
TMOVE_GSI_092	1	Honeycomb Frame send to Ganil	GSI	GANIL	2014-05-22 15:33:52	2014-06-04 09:29:44

ACTIVITES de production

- Depuis Juin:

1. mise à jour et ajout d'objets pour la configuration GANIL
2. ajout d'objets spécifiques GANIL
3. insertion des cables MDR (335 à ce jour)
4. ajout de l'information sur les propriétaires des objets: LVPS/cables/détecteurs…

ACTIVITES de production



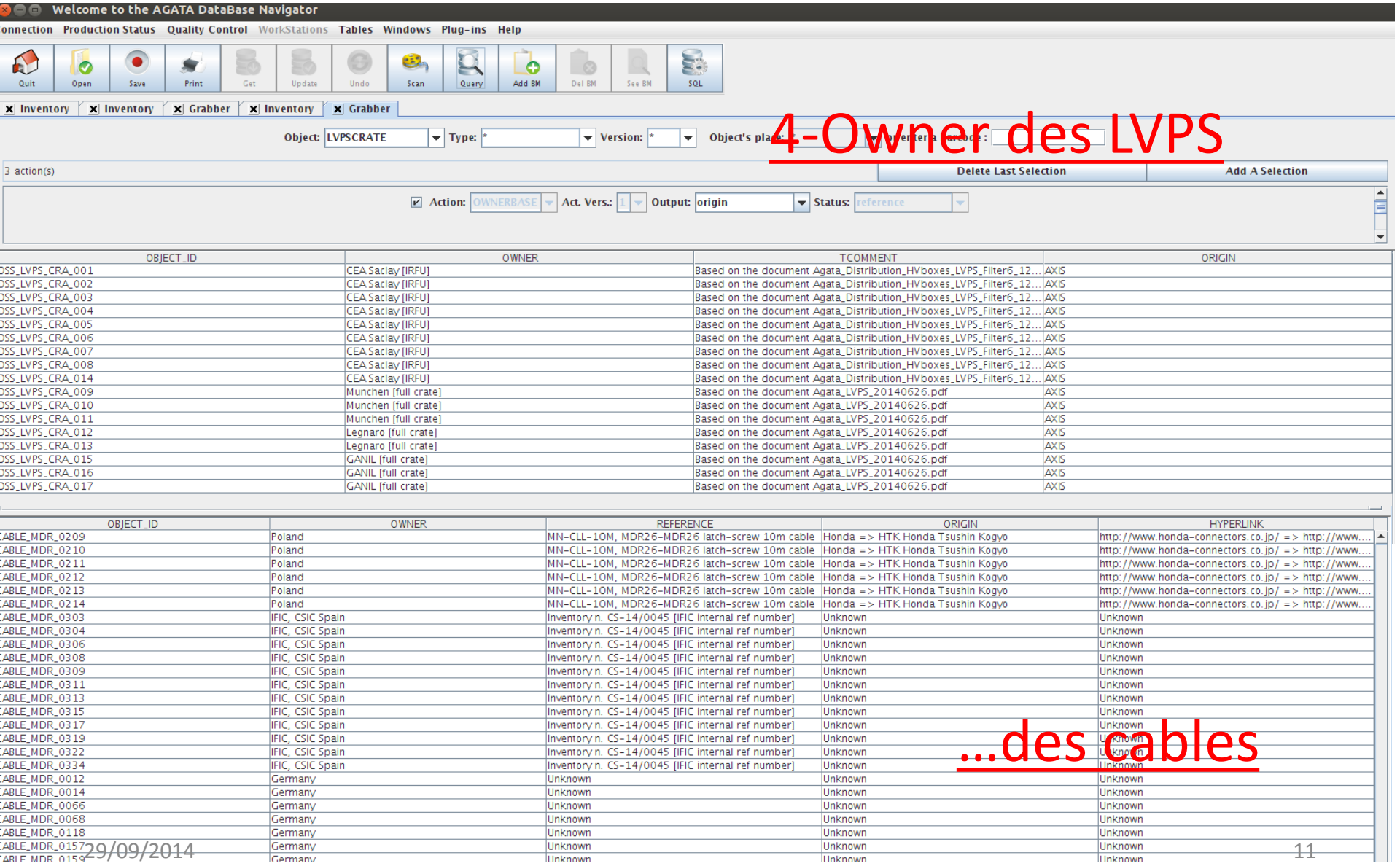
1-GANIL : nouveaux objets, ici AUTOFILL

ACTIVITES de production

bar code	NOM	TYPE	VERSION	DNAME	DTYPE	DVERSION
GACABLE_OF_01	CABLE	OF	1	Cable	Optical Fiber	Version 1
GACABLE_OF_02						
GACABLE_OF_03						
GACABLE_OF_04						
GACABLE_OF_05						
GACABLE_OF_06						
GACABLE_OF_07						
GACABLE_OF_08						
GACABLE_OF_09						
GACABLE_OF_10						
GACABLE_OF_11						
GACABLE_OF_12						
GADPS_PP_VME_01	PPECARD	CFDVME	1	Pre-Processing Electronic Card	VME CFD Discriminator	Version 1
GADPS_PP_VME_02						
GADPS_PP_VME_04						
GADPS_PP_VME_03	PPECARD	TRIGVME	1	Pre-Processing Electronic Card	Trigger VME	Version 1
GADSS_MPO12_01	MISCELLANEOUS	MISC	1			
GADSS_SUPPHONEY_01						
GADSS_RAIL_01						
GADSS_SUPPCABLE_01						
GADSS_PLATFORM_01						
GADSS_RACK_01	RACK	RACK	1			
GADSS_RACK_02						
GADSS_RACK_03						
GADSS_RACK_04						
GADSS_RACK_05						
GADSS_RACK_06						
GADSS_TARCH_01	MISCELLANEOUS	MISC	1			
GADSS_TARHO_01						
GADSS_BLINE_01						
GADSS_DIALER_01	DIALER	DIALER	1			
GADSS_PC_DB_1	PC	PC	1			
GADAQ_PC_01						
GADAQ_SCR_01	SCREEN	SCREEN	1			
GADAQ_SCR_02						
GADAQ_SCR_03						
GADAQ_SCR_04						
GADAQ_SCR_05						

2-GANIL : objets spécifiques => Définition et stockage en BD

ACTIVITES de production



OBJECT_ID	OWNER	TCOMMENT	ORIGIN
OSS_LVPS_CRA_001	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_002	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_003	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_004	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_005	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_006	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_007	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_008	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_014	CEA Saclay [IRFU]	Based on the document Agata_Distribution_HVboxes_LVPS_Filter6_12...	AXIS
OSS_LVPS_CRA_009	Munchen [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_010	Munchen [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_011	Munchen [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_012	Legnaro [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_013	Legnaro [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_015	GANIL [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_016	GANIL [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS
OSS_LVPS_CRA_017	GANIL [full crate]	Based on the document Agata_LVPS_20140626.pdf	AXIS

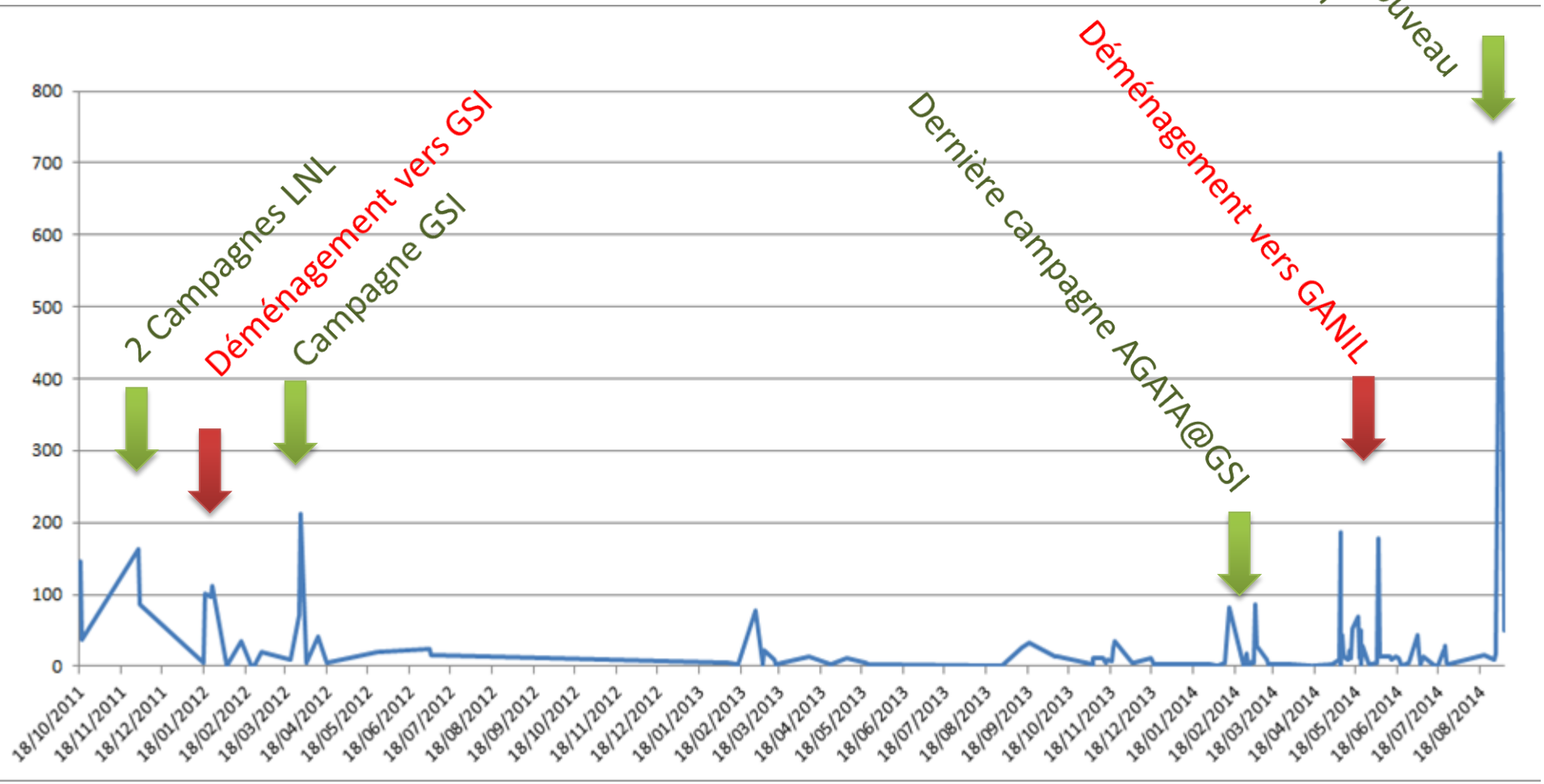
OBJECT_ID	OWNER	REFERENCE	ORIGIN	HYPERLINK
CABLE_MDR_0209	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0210	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0211	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0212	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0213	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0214	Poland	MN-CLL-10M, MDR26-MDR26 latch-screw 10m cable	Honda => HTK Honda Tsushin Kogyo	http://www.honda-connectors.co.jp/ => http://www....
CABLE_MDR_0303	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0304	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0306	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0308	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0309	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0311	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0313	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0315	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0317	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0319	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0322	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0334	IFIC, CSIC Spain	Inventory n. CS-14/0045 [IFIC internal ref number]	Unknown	Unknown
CABLE_MDR_0012	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0014	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0066	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0068	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0118	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0157	Germany	Unknown	Unknown	Unknown
CABLE_MDR_0159	Germany	Unknown	Unknown	Unknown

Retour d'expériences:

- **GSI:** difficile de faire au fur et à mesure lors des campagnes et d'avoir l'info en temps réel ; serait souhaitable d'étendre l'outil à la gestion dynamique du setup
- **GANIL**: a grandement facilité le déménagement (reconnaissance des objets, inventaire…); seul problème : pour une caisse car non enregistrée en BD !

BILAN de la production

Historique complet des incréments en BD



BILAN de la production

- L'utilisation de la BD rentre dans les mœurs: **utilisation croissante de l'outil** ☺
  =>600 objets fin 2013, 1200 objets aujourd'hui (même si 300 cables MDR)
- Prochaines étapes:

1. **Faire** plus encore **circuler l'information** pour faciliter le travail des DB contact-persons
2. **Faire** le plus possible **en temps réel**: même si c'est difficile…ça vaut le coup!
3. que **LYON soit de moins en souvent l'initiateur et/ou l'acteur d'actions**…c'est la tendance! ;-)

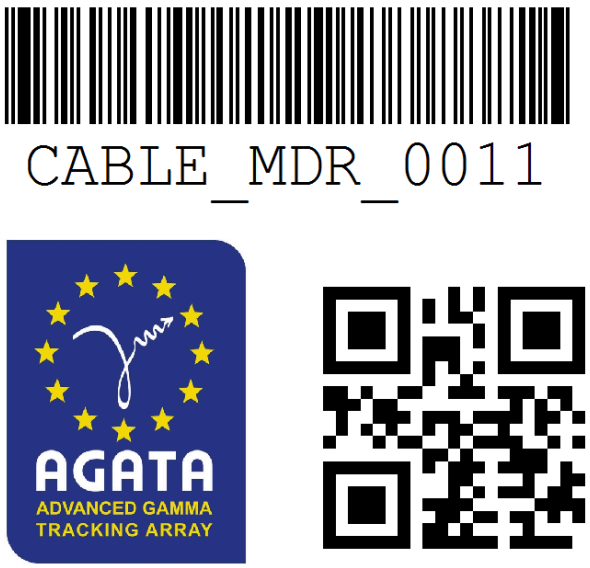
Autour de la BD

- Administration: doc Web et vidéo / visio dédiées (tâches pour chaque centre)/CookBook/hotline sur l'outil
- Rappel: BD =>GUI+scripts automatisés possibles (ex: infos cables MDR)
- Améliorations:

1. **Développements** => pour plus de convivialité: boutons open/save dans UpdateAction, formatage de texte dans Special, optimisation de l'envoi de mails…

Autour de la BD

2. **imprimante code barres**: +souple, +pratique, codes barres 1D+2D+logo



Perspectives

- Atrium
- La plupart des données sont dans la base: **plus grande exploitation des données souhaitable** (par l'AMB, pour les tests des capsules=CAT&Crosstalk, etc…)
- Développements:

1. Vont reprendre d'ici la fin d'année (car temps partagé avec un autre projet)
2. *Quelles sont vos demandes et les priorités pour la collaboration*?

Idées de développement

- Rendre l'interface encore plus conviviale/intuitive:

1. pour « feuilleter » la base
2. insérer des data
   Ex: drag&drop dans le panneau inventory ; UpdateAction pour plusieurs objets en même temps…

- Pour plus tard? historique des connections; ajouter un statut pour les objets dead...