

Diapotheque: the database for storing actual slide metadata of LTC

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No embargo

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1 - Objectives of this document

To explain Diapotheque, the database for storing actual slide metadata created by the LTC (Laboratoire de Technologie Cotonnière) in the 90s' in the absence of any other system in Cirad at that time.

To indicate the existence of the corresponding dataset deposit on <https://dataverse.cirad.fr/>

2 - 'Diapotheque' feeding and use

Diapotheque is a Microsoft Access database system for storing actual slide metadata of slides that chronologically and physically were entered into folders as soon as they were used for conferences or else.

At a moment, slides were convenient support to present data and conferences. In order to not duplicate the same slides for any other use – another conference or a training session for instance – it has been decided to record the metadata of each slide in a database, in order to query that database, and therefore to find them for a newer use, before reinserting them in the initial physical stock of slides at the end.

As a result, each slide has a unique and chronological number (from 1 to n). The database therefore has used the same chronological key for referencing their metadata descriptions (written in French most of the time).

Among the present slides in the physical stock and in Diapotheque:

- Some (577) are physical slides that were generated from various slide show software (such as Harvard Graphics principally) and therefore probably are already present in Agritrop, the institutional library of Cirad.
- The rest of the slides (1092) are real photographs of research and development activities where IRCT experts and researchers and then Cirad personnel have been having their activities or their results. These photographs were taken by many authors, but all photographs could be / are historical photographs, a view of past time activities, working sites, processing mills, experimental stations or sites, and probably also persons.

2.1 - Authors of the photographs

The name of at least one author is recorded for each slide but for nine slides only. Authors mostly have been technologist from the LTC, or at least working with LTC technologists; therefore, all data registered in this database is a Cirad-LTC one:

Recorded name	Full name
CKB?	Charles Ken BRAGG, from USDA-ARS- Clemson
Erwin	Thierry ERWIN
GG	G�rard GAWRYSIK
GTK or JG	Justin GUTKNECHT
JLC	Jean-Luc CHANSELME
JPG	Jean-Paul GOURLOT
MK	Mourad KRIFA
RF	Richard FRYDRYCH

The question of authorship is a complex one; however, authors being Cirad personnel for many years, they could approve or already approved to let Cirad use and store these photographs as:

- These photographs were stored in this physical stock and/or in the database while these persons initiated this storage or at least knew about it,
- Each employee signed his employment contract letting Cirad owning and managing every one's results within his Cirad activities; we could then consider that the stored photographs also are results of research or of observations that Cirad can store and use on his side.

2.2 - Themes of the photographs

A theme has been given for most slides, therefore one can list the number of slides for each author and depending if it is a Harvard Graphic slide or a photograph, as follows:

Slide theme ¹	Harvard Graphics	Photograph
No theme recorded	56	6
AFIS	1	
Agronomie		3
Alimentation, r�gulation CG		21
Alimenteurs- extracteurs		16
Analyse fibre	1	

¹ The actual entry is given in this table; however, the additional information given in brackets has been added solely for the edition of this file.

Slide theme 1	Harvard Graphics	Photograph
Capsule+ branche		1
Champ		6
Collage	39	66
Collage carde	6	8
Collage minicarde		7
Collage sur nepposité	3	
Condenseur- dameur		10
Contaminants		1
Cot Inc 94		10
Culture, récolte		24
Cyto Génétique		69
Défaut fil, fibre		39
Défence des cultures		1
Délintage chimique usine de Korogo2		11
Egrenage	159	39
Egrenage au rouleau		1
Egrenage usine Korogo2		34
Egreneuse		3
Egreneuse à scies		25
Egreneuses labo		2
Ento		25
Ferme		4
Fibre	137	9
Filature		29
Finesse	1	
FMT (Fineness Maturity Tester)		2
Formation essai d'égrenage en usine		57
Gestion de l'humidité		10
Grand show MT Mars 98		4
H2SD (High Speed Stickiness Detector)	29	83
H2SD Cirad		2
Herbicide		6
HVI (High Volume Instrument		5
Labo chimie		3
Labo fibre		11
Labo fil		16
Marché		15
Marché coton		3
Marché d'achat		5
MCI (Motion Control Incorporated device)		14
Micro- usine	1	15
Miellat sur fibre- puceron - mouche		16
MO Trashcam (Operating method of Trashcam)		7
Neps	1	1
Nettoyage- extraction CG	1	22

Slide theme ¹	Harvard Graphics	Photograph
Nettoyage fibre		19
Pneumatique, poussière		12
Presse- balles		22
Prototype RF 13 (See SCT)		13
Récolte mécanique du coton, ferme Niambrun		21
RF 13 (See SCT)		8
RST (Reference Strength Tester)	71	29
SCF (Seed Coat Fragment)	28	1
SCT (Sticky Cotton Thermodetector)	14	11
Sigle	2	
SISTER (Système d'Information pour le Stockage, le Traitement et l'Evaluation des Résultats)	15	
Techno coton	1	125
Titre	11	
Trashcam		21
Usine d'égrenage de Dianta		6
Usine égrenage Séguéla RCI		21
Usines diverses		15
ZUS (Zelwegger Uster Spinlab)		1
Total général	577	1092

2.3 - Chart types of the slide shows made from Harvard Graphics

As far as Harvard Graphics slides (577) are concerned, they may be from various types of presentation, as shown hereafter:

Type of slide	Harvard Graphics
No detail	25
Barres verticales	32
Camembert	16
Carte géo	1
Courbe	39
Dessin	21
Lignes	38
Liste pointée	14
Maxi/Mini/Clôture	1
Nuage + tendance	65
Sigle	5
Tableau	26
Texte	21
Texte à points	231
Titre	42
Total général	577

2.4 - Comparison of information fields between Diapotheque and Cirad-Images

If one would consider getting that collection into Cirad Image or other Cirad tool, here is a first analysis of the two systems and the correspondences between their respective fields of information:

Correspondance entre Cirad Image et Diatec				1669 records	
Cirad image				Diapo2000 du LTC	
Num	Champ	obligatoire	optionnel	Champ	observations au 25/4/2023
1	date création	x		N° Diapo	
2	photographe	x		Auteur Diapo	9 vides
3	titre	x		Auteur2 Diapo	1622 vides
4	(noms latins)		x	Auteur3 Diapo	Vide
5	(mots-libres)		x	Titre diapo	22 vides
6	(ville/région)		x	Sous-titre Diapo	1587 vides
7	pays de tournage	x		Thème Diapo	62 vides
8	pays	x		Etude Diapo	Vide
9	année de sortie	x		Logiciel de création Diapo	1589 vides
10	support d'origine	x		Fichier Diapo	1669 vides
11	(format d'origine)		x	Présentation Diapo	1515 vides
12	type d'image	x		Photographie	1092 vrai, 577 faux
13	noms des réalisateurs	x		Graphique	201 vrai, 1468 faux
14	(organismes producteurs)			Confidentielle	1669 faux
15	(auteur vidéo)		x	N° article	Vide
16	(acteurs principaux)		x	Type Graphique	1105 vides
17	version linguistique	x		TitreX1	1487 vides
18	public visé	x		TitreY1	1489 vides
19	genre	x		TitreY2	1657 vides
20	couleur	x		Note	1639 vides
21	source	x		Cle1	Vide
22	(résumé)		x	Cle2	Vide
23	copyright	x		Cle3	Vide
	Total	15	7	Cle4	Vide
				Cle5	Vide
				Cle6	Vide
				Cle7	Vide
				Cle8	Vide
				Cle9	Vide
				Cle10	Vide
				N°Rangement	Vide
				Table Divers, Langue	528 non vides

3 - Location of the physical stock of the slides (May 2024)

The physical stock of the available slides whose metadata is describe in 'Diapothèque' is now located at the office of the 'Corresponding person for Cotton' in Cirad (*Correspondant filière coton du Cirad*).

4 - Name of the Cirad Dataverse deposit directly linked to this document:

There is a dataset containing all the data at:

Gourlot J.-P., Auzoux S., Giner M. and Choti N., 2024, Dataverse deposit of Diapothèque: the database for storing actual slide metadata of LTC. Cirad - Laboratoire de Technologie Cotonnière. Cirad dataverse. <https://doi.org/10.18167/DVN1/GLOY78> , published in Cotton Plant Products Characterizations & Processing (view at <https://dataverse.cirad.fr/dataverse/CPPCP>)

5 - Conditions / terms of use / warnings

