Africa Rice Center (WARDA)

INFORMATION TECHNOLOGY

# SUPPORT FOR

WARDA GENEBANK MANAGEMENT

OUTLINE

- Background
- WARDA Genebank Conservation
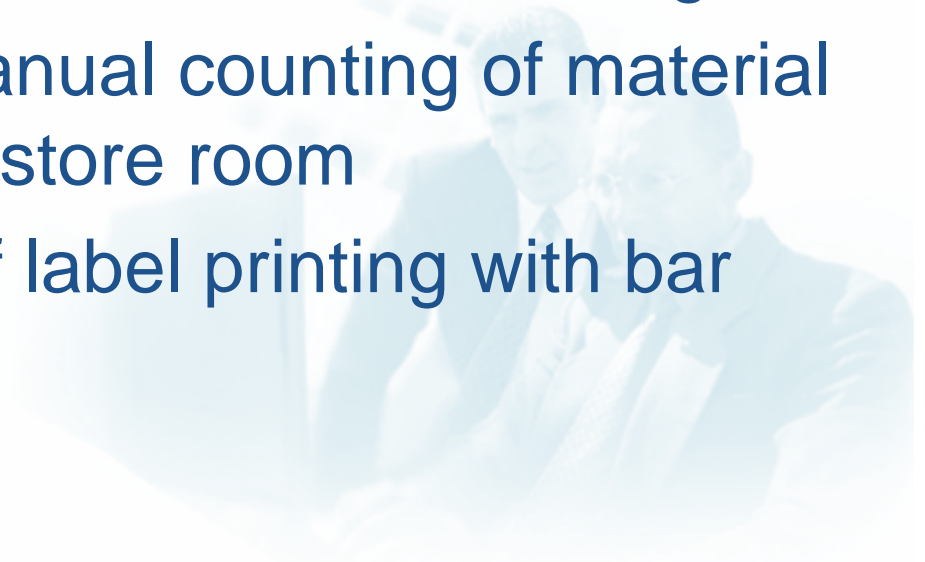- Bar coding system
- **WEB Applications**

Background

- 1997-2001 : dBase IV (2 data managers). Export/import in Text file
- 2001-2002 : Database in Ms SQL Server 7
- Data entry forms in Ms Access
- April 2002 (June 2002): 2 new staff (2 resigned)
- 18 September 2002: Ivory cost war,
- Staff moved to Abidjan
- 2002 – 2004 : Data base in SQL Server 2000
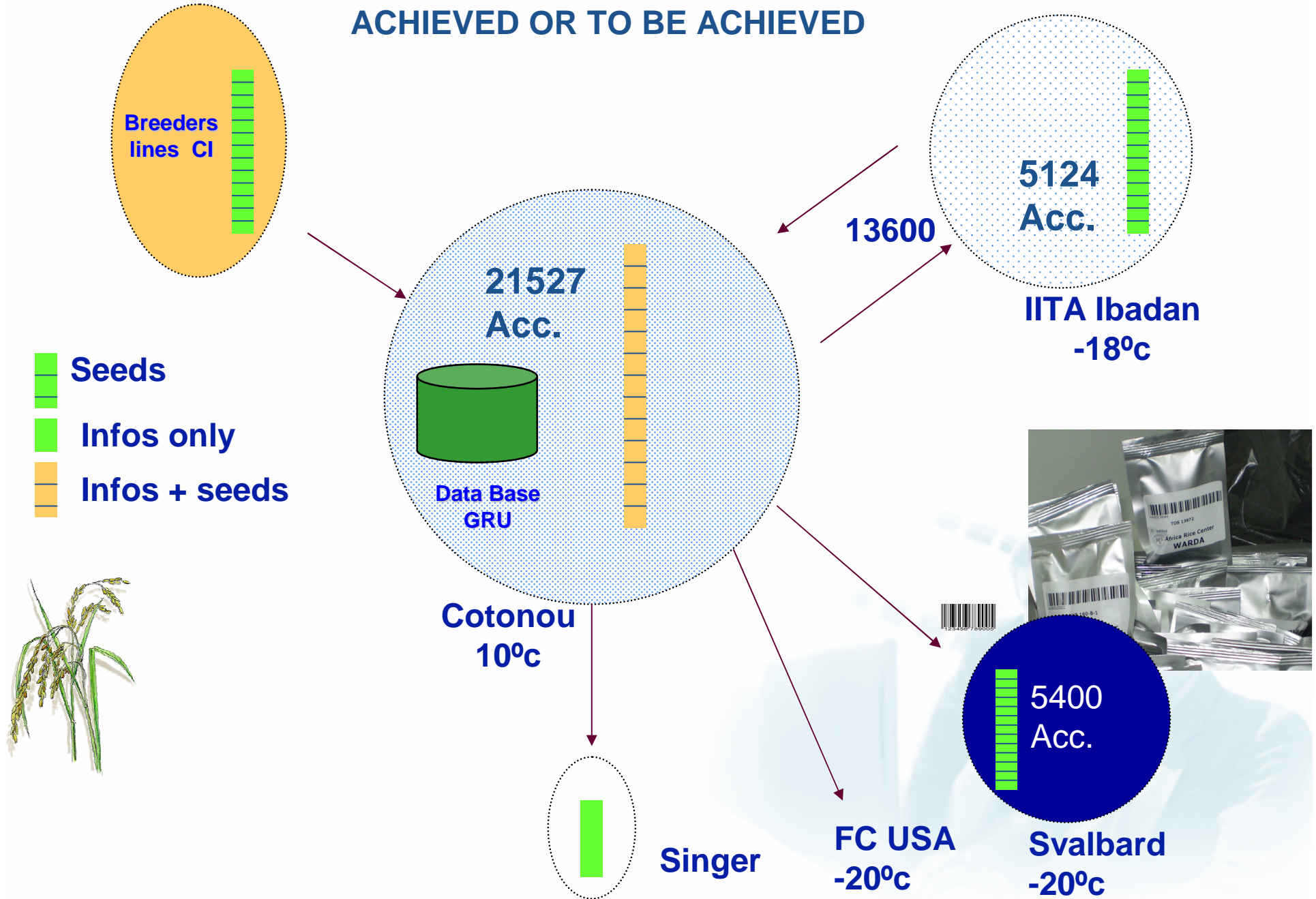- Development of interfaces in Delphi, one user license
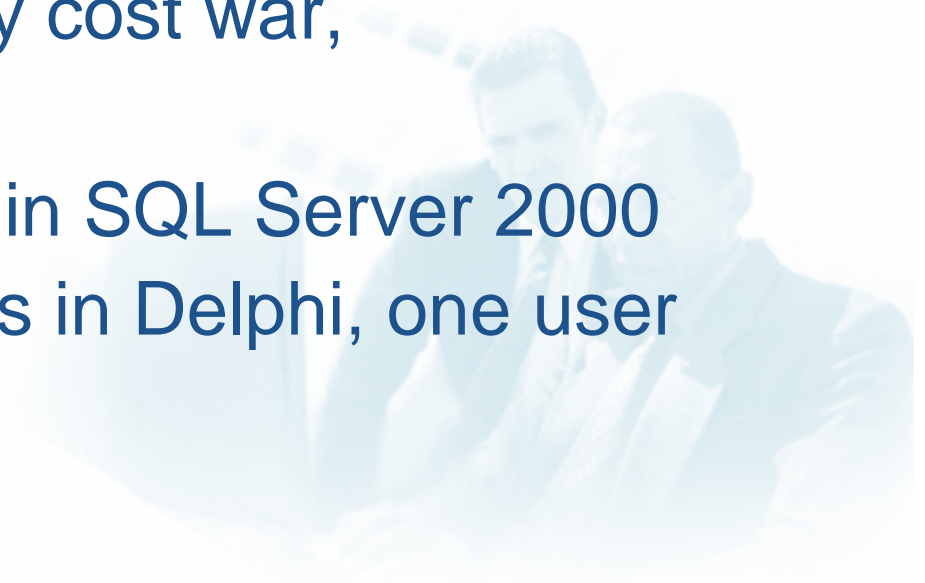
Background cnt

- December 2004 : Staff moved from Abidjan – Cote d'Ivoire to Cotonou – Benin
- 2005 : Separate activities (web programming and Stock management desktop application)
- 2007 : One staff left
- Stock management application not functioning
- Use of excel files and manual counting of material in the cold chamber and store room
- 2008 : Implementation of label printing with bar coding

GENEBANK CONSERVATION
ACHIEVED OR TO BE ACHIEVED

Breeders lines CI

Seeds

Infos only

Infos + seeds

21527 Acc.

Data Base GRU

Cotonou 10⁰c

5124 Acc.

13600

IITA Ibadan -18⁰c

5400 Acc.

Svalbard -20⁰c

FC USA -20⁰c

Singer

HOW RICE GERMPLASM IS ORGANIZED IN THE COLD ROOM

(4) ROWS
|
TROLLEYS
|
SHELVES
|
LIGNES
|
BOXES

Eg. **C1-1b-6**

WAT307-WAS-B-24-8-4-4-1
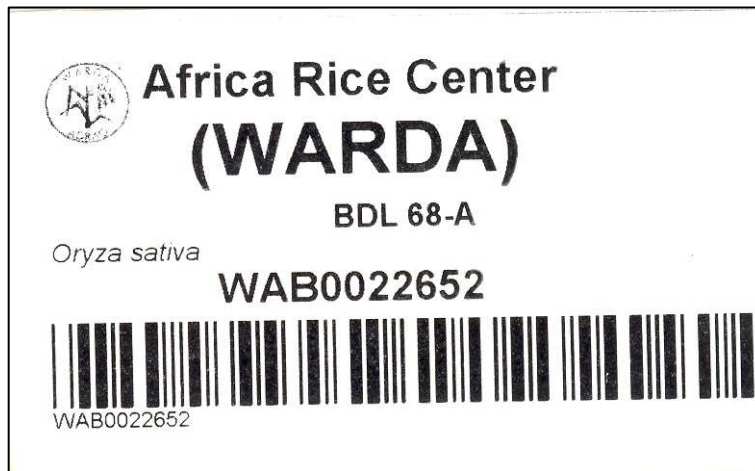
Code Bar Technology
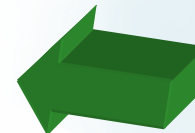
– **What is implemented**

• Labels Printing

Microsoft
SQL Server 2000

GRU database

Selection of Materials for label generation

Rave Report 6

Africa Rice Center
(WARDA)
BDL 68-A
Oryza sativa
WAB0022652

WAB0022652

Labels Printing

Code Bar Technology

– **To be implemented**

Database GRU office

Store Room

40m

Cold Room

5º conservation medium term

30m

100m

100m

1Km

130Km

Screen house 1

Screen house 2

Field CTN campus

Regeneration of wild material

Regeneration of other traditional material

Fields Benin

Demonstration plot and trial

Multiplication and regeneration plots
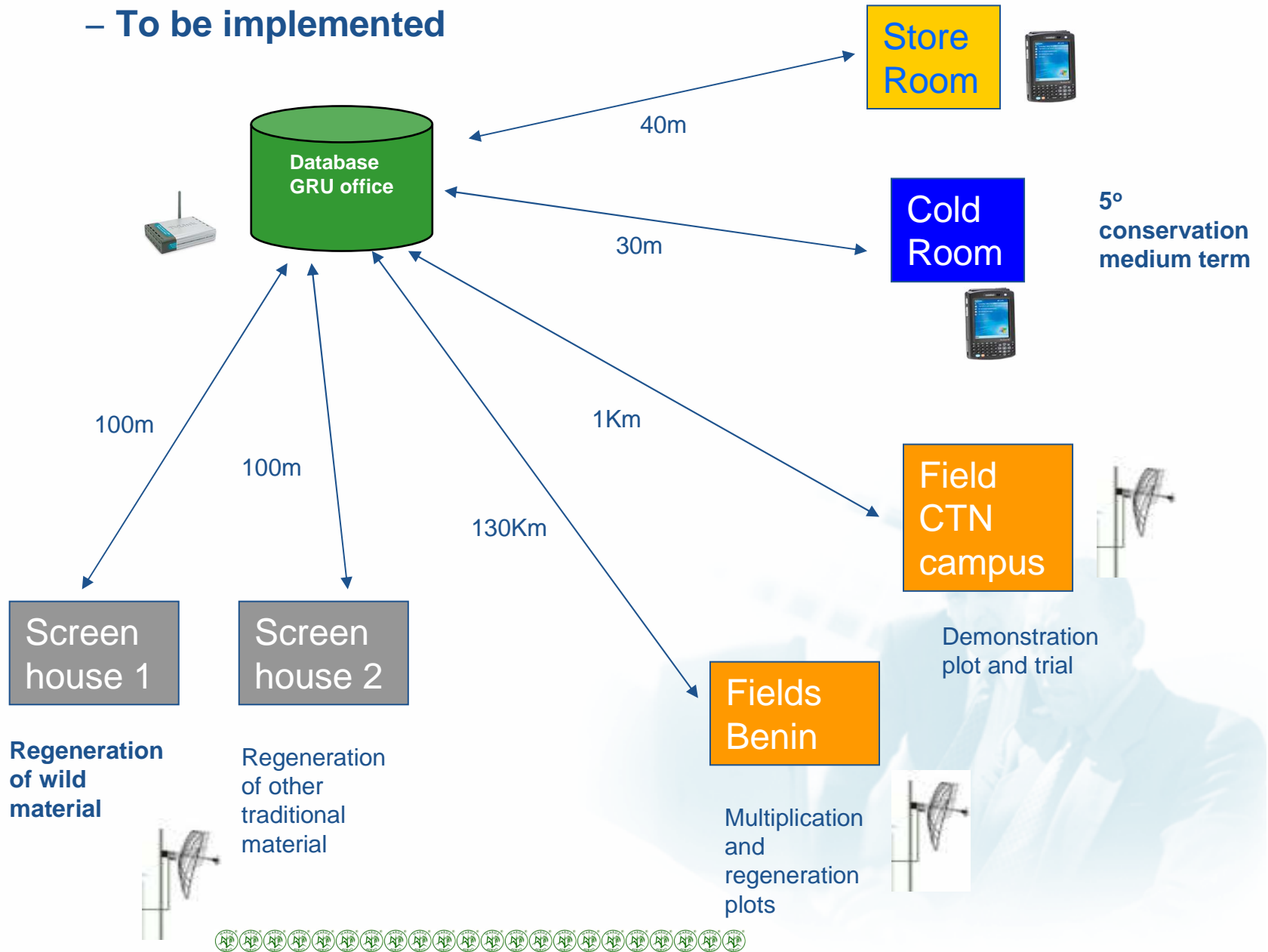
WEB Applications

– <u>WEB</u> Search of Germplasm.

WARDA **G**enebank **I**nformation **S**ystem (**WAGIS**)
Available on Intranet and Internet

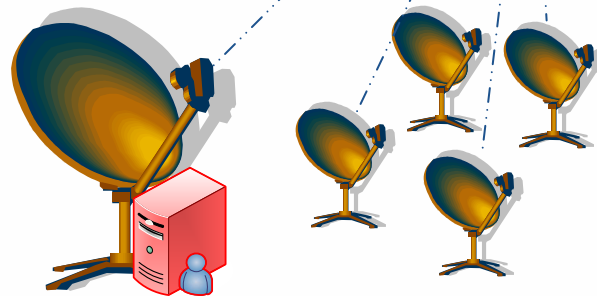*http://intranet/wagis*

http://www.africaricecenter.org/wagis
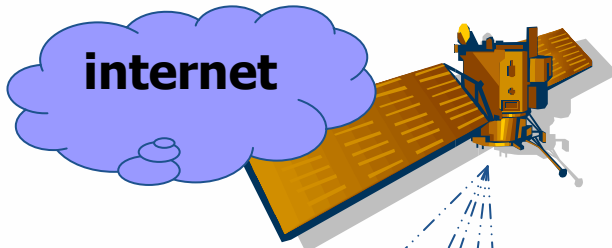
– <u>WEB Request of Germplasm.</u>

Work in progress

– WEB Germplasm distribution

Work in progress

http://www.africaricecenter.org/wagis

Merci / Thanks