Requasud: a network analysis and advices for the Walloon agriculture sector

www.requasud.be

March, 27th 2013

REQUASUD

Created in 1989

Network of laboratories

Analysis service

Advices (feed, fertilizer, disease, microbiology,…)

For the agriculture and the food industry sector

cra-w

Centre wallon de Recherches agronomiques

Wallonie

REQUASUD

Laboratories have approvals delivered by the Belgian authorities and are officially recognized

Networks => Harmonization of analysis methods to ensure a better reliability of the results

What can you analyze ?

cra-w

Centre wallon de Recherches agronomiques

REQUASUD

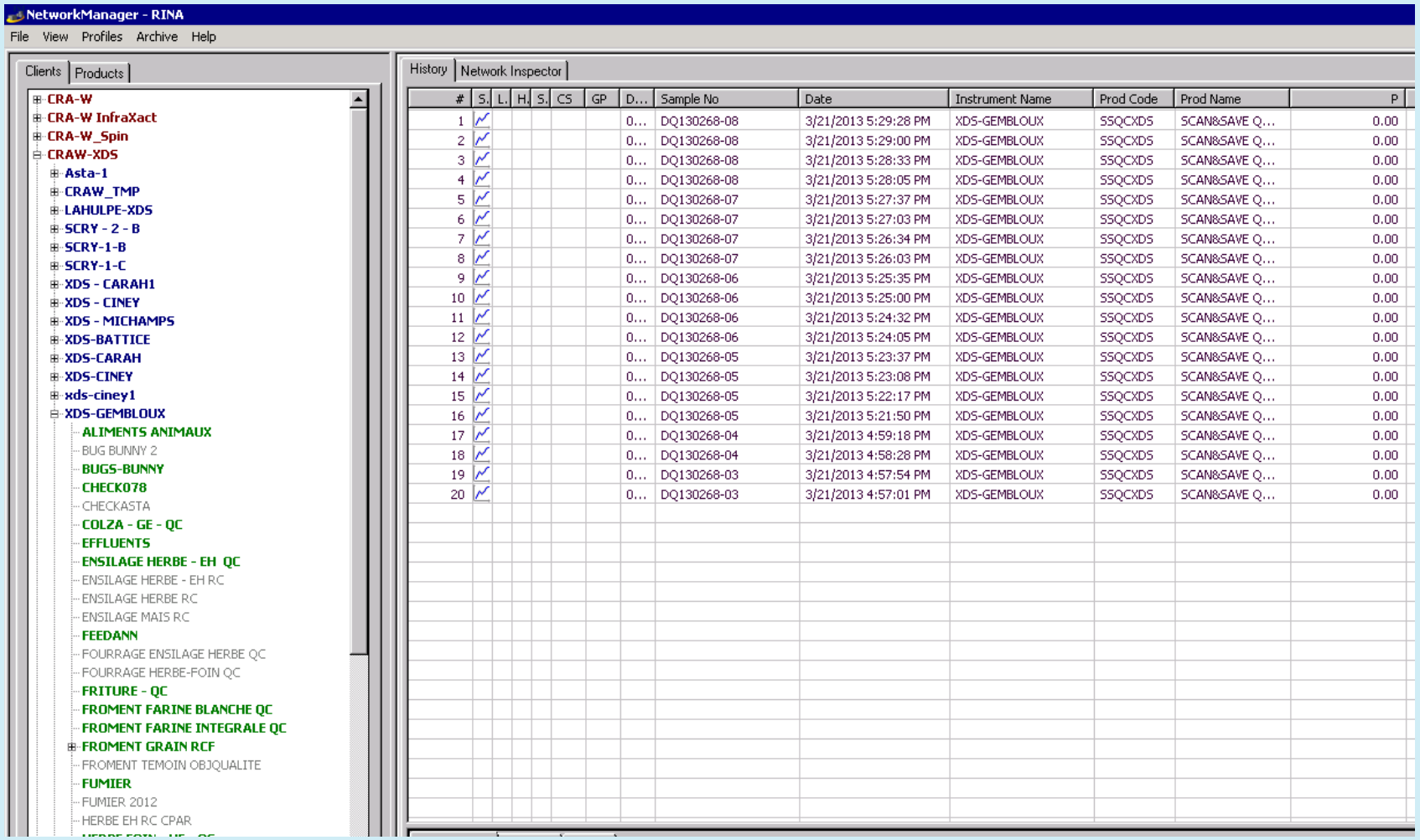
Wallonie

NIR equipment : Foss XDS

Connected to the CRAW by the RINA (Remote INternet Analysis)

Ath : Carah
LER : CRA-W
Libramont : CRA-W
Scry : CPL Promogest
Battice : Agrolab
Ciney : OPA
Gembloux : Objectif qualité
Michamps : Iqualux
La Hulpe : Agro-qualité
Ettelbruck : ASTA

CRAW = Rina Manager


NetworkManager - RINA
File View Profiles Archive Help
Clients Products
CRA-W
CRA-W InfraXact
CRA-W_Spin
CRAW-XDS
Asta-1
CRAW_TMP
LAHULPE-XDS
SCRY - 2 - B
SCRY-1-B
SCRY-1-C
XDS - CARAH1
XDS - CINEY
XDS - MICHAMPS
XDS-BATTICE
XDS-CARAH
XDS-CINEY
xds-ciney1
XDS-GEMBLOUX
ALIMENTS ANIMAUX
BUG BUNNY 2
BUGS-BUNNY
CHECK078
CHECKASTA
COLZA - GE - QC
EFFLUENTS
ENSILAGE HERBE - EH QC
ENSILAGE HERBE - EH RC
ENSILAGE HERBE RC
ENSILAGE MAIS RC
FEEDANN
FOURRAGE ENSILAGE HERBE QC
FOURRAGE HERBE-FOIN QC
FRITURE - QC
FROMENT FARINE BLANCHE QC
FROMENT FARINE INTEGRALE QC
FROMENT GRAIN RCF
FROMENT TEMOIN OBJQUALITE
FUMIER
FUMIER 2012
HERBE EH RC CPAR
History Network Inspector
S. L. H. S. CS GP D... Sample No Date Instrument Name Prod Code Prod Name P
1 0... DQ130268-08 3/21/2013 5:29:28 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
2 0... DQ130268-08 3/21/2013 5:29:00 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
3 0... DQ130268-08 3/21/2013 5:28:33 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
4 0... DQ130268-08 3/21/2013 5:28:05 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
5 0... DQ130268-07 3/21/2013 5:27:37 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
6 0... DQ130268-07 3/21/2013 5:27:03 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
7 0... DQ130268-07 3/21/2013 5:26:34 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
8 0... DQ130268-07 3/21/2013 5:26:03 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
9 0... DQ130268-06 3/21/2013 5:25:35 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
10 0... DQ130268-06 3/21/2013 5:25:00 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
11 0... DQ130268-06 3/21/2013 5:24:32 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
12 0... DQ130268-06 3/21/2013 5:24:05 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
13 0... DQ130268-05 3/21/2013 5:23:37 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
14 0... DQ130268-05 3/21/2013 5:23:08 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
15 0... DQ130268-05 3/21/2013 5:22:17 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
16 0... DQ130268-05 3/21/2013 5:21:50 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
17 0... DQ130268-04 3/21/2013 4:59:18 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
18 0... DQ130268-04 3/21/2013 4:58:28 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
19 0... DQ130268-03 3/21/2013 4:57:54 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00
20 0... DQ130268-03 3/21/2013 4:57:01 PM XDS-GEMBLOUX SSQCXDS SCAN&SAVE Q... 0.00

How works the network:

1. Each XDS of the networks is standardized every year on the master

In that way, each XDS gives the same spectrum for the same sample

=> All the XDS can use the calibrations from the Master

cra-w
Centre wallon de Recherches agronomiques
REQUASUD
Wallonie

How works the network:

2. The RINA manager:

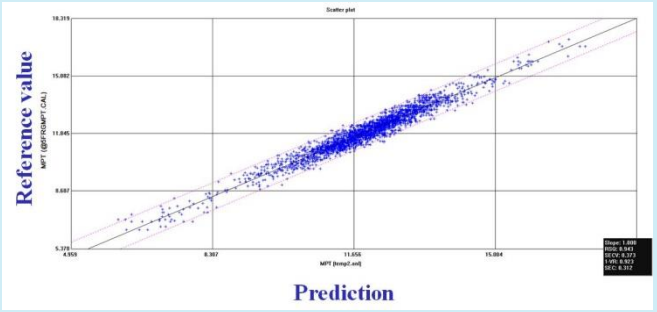
- Dispatches the standardization

- Collects spectra of the different XDS + reference values

- Adds those spectra to the DB and update regularly the calibrations in order to take into account :

  - Genetic variability of the samples,
  - Climatic conditions of the year,
  - Cultural practices
  - …

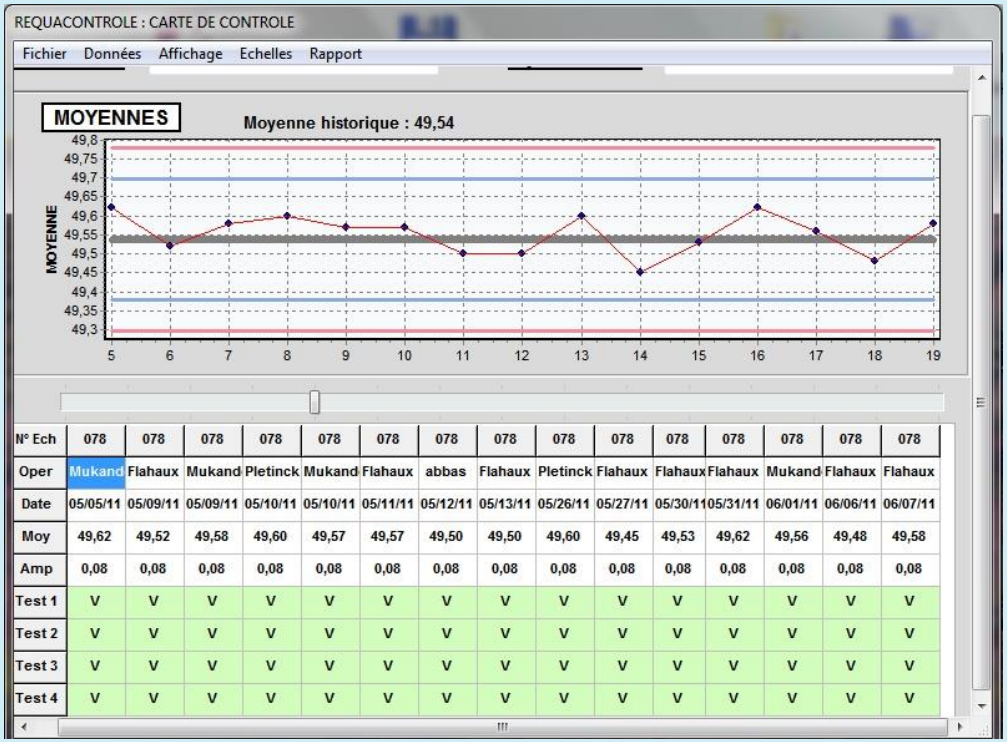
-Dispatches the new models



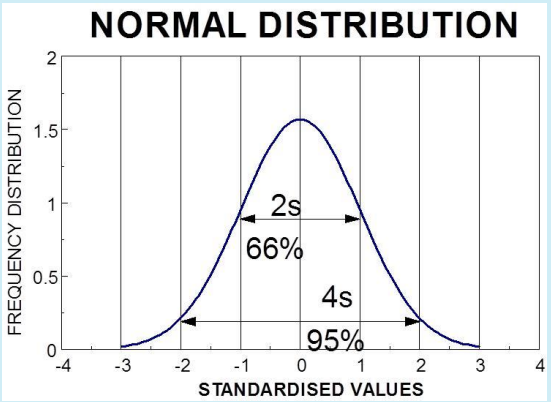
How works the network:

3. Control of the XDS:

- Control chart



N° Ech	078	078	078	078	078	078	078	078	078	078	078	078	078	078	078
Oper	Mukand	Flahaux	Mukand	Pletinck	Mukand	Flahaux	abbas	Flahaux	Pletinck	Flahaux	Flahaux	Flahaux	Mukand	Flahaux	Flahaux
Date	05/05/11	05/09/11	05/09/11	05/10/11	05/10/11	05/11/11	05/12/11	05/13/11	05/26/11	05/27/11	05/30/11	05/31/11	06/01/11	06/06/11	06/07/11
Moy	49,62	49,52	49,58	49,60	49,57	49,57	49,50	49,50	49,60	49,45	49,53	49,62	49,56	49,48	49,58
Amp	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08
Test 1	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Test 2	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Test 3	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Test 4	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V



How works the network:

3. Control of the XDS:

- Participation to BIPEA

BIPEA: A NON PROFIT ASSOCIATION DEDICATED TO TESTING LABORATORIES SINCE 1970

For 40 years our non-profit association has organized proficiency testing programs in different fields such as cereals & milling, food & feed, environment and cosmetics. Our main mission is to evaluate the accuracy results of laboratories on a short, medium and long-term basis. Bipea offers a large number of services to the testing laboratories for the control of their efficiency and performance :

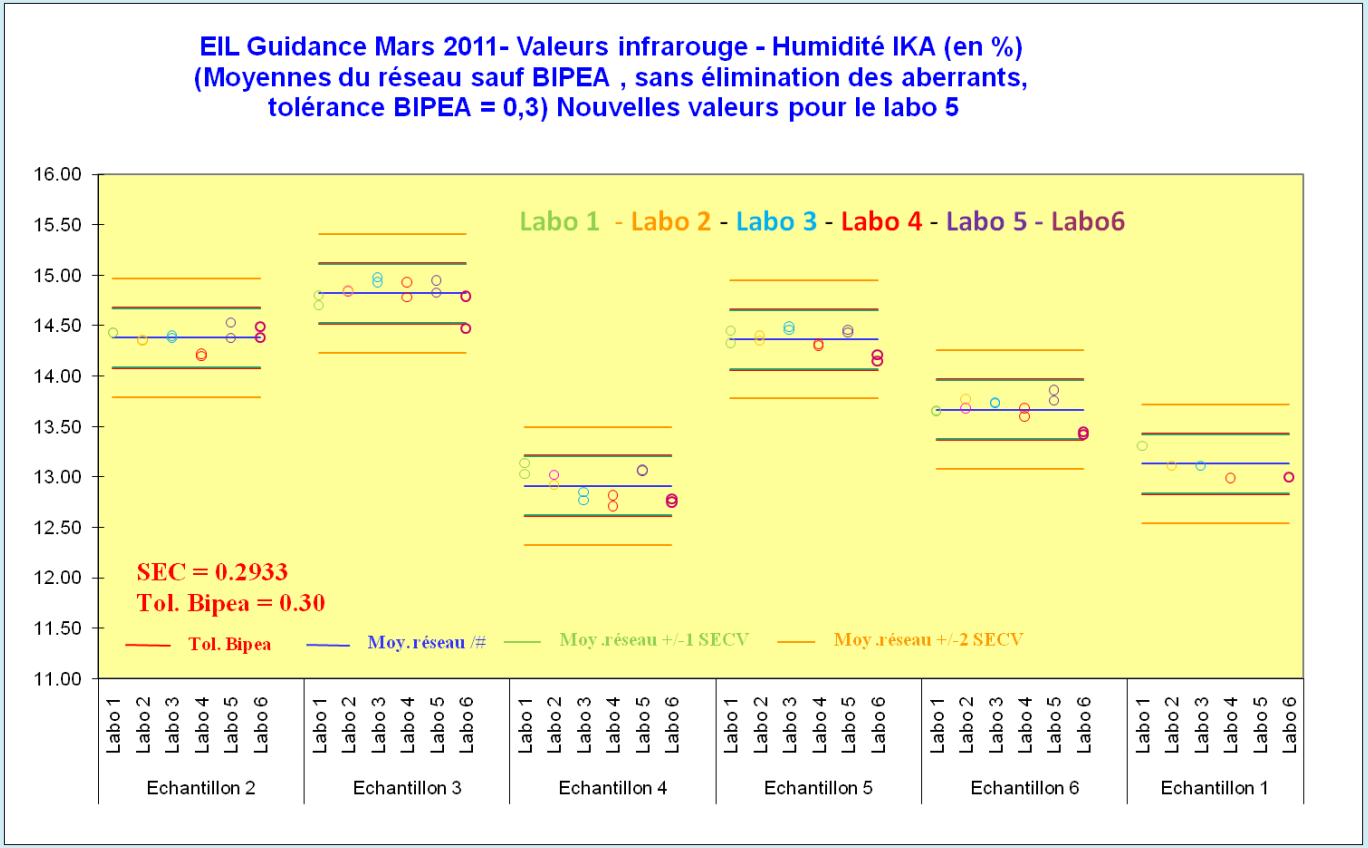
- Proficiency Testing Programs (80 PTS available !), (**for our PTS, click here**)
- External Reference Materials, (**for our ERM, click here**)
- Accuracy monitoring charts,(**for our accuracy monitoring charts, click here**)
- Get your own PTS,(**for our customs PTS, click here**)
- Technical assessments,(**for our TA, click here**)
- Training sessions. (**for our TS click here**)

WE CONTRIBUTE TO EVALUATE AND OPTIMIZE THE PERFORMANCE OF YOUR ANALYSIS ON A SHORT, MEDIUM AND LONG-TERM BASIS.

How works the network:

3. Control of the XDS:

- Organization of ring test



Thanks for your attention