



CCDBs and EURISCO

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Introduction

- Discrepancies CCDBs - EURISCO
- Status of CCDBs
- Characterization/Evaluation data
- Respective role CCDBs – EURISCO
- Issues
- What to do

Discrepancies EURISCO - CCDBs Recommendations EAG 2005:

- Check a few test cases:
 - Wheat 2005
 - Phleum 2007
 - AEGIS model crops 2008
- Analyze the reasons for discrepancies
- Propose actions for improvement of data consistency

Garlic - *Allium sativum*

Holding country	EADB	EURISCO	Difference
AUT (2)	2	2	0
AZE	2	2	0
BGR	26	26	0
CHE	5	0	5
CZE	623	623	0
DEU	548	378	170
ESP	644	0	644
FRA	61	0	61
GEO	1	1	0
GRC	14	14	0
ISR	245	0	245
ITA (2)	70	0	70
NGB	11	0	11
POL	281	1	280
PRT	301	0	301
ROU	40	40	0
SVK	62	0	62
UKR	45	0	45
RUS	299	299	0
Total	3280	1386	1894

Cherry - Prunus avium

Holding country	EPDB	EURISCO	Difference
BEL	4	0	4
CHE (5)	0	1416	-1416
CZE	219	0	219
DEU	235	214	21
ESP	49	0	49
FRA	73	0	73
GRC	0	50	-50
GBR	384	264	120
HUN	89	0	89
ITA (13)	784	475	309
LVA	0	24	-24
PRT	24	0	24
SVK (2)	23	0	23
Total	1884	2443	-559

Brassica rapa

Holding country	Bras-EDB	EURISCO	Difference
Austria (2)	18	19	-1
Azerbaijan	3	2	1
Belgium	193	0	193
Bulgaria	77	53	24
Czech Republic	124	120	4
France	32	0	32
Germany (2)	737	834	-97
Hungary	10	18	-8
Italy	166		166
Netherlands	357	356	1
Nordic Countries	119	126	-7
Poland	57	26	31
Portugal	295	0	295
Romania	2	2	0
Spain (4)	313	0	313
Russian Federation	347	301	46
Slovakia	4	0	4
Switzerland	18	12	6
Turkey	21	0	21
Ukraine	98	4	94
United Kingdom	598	556	42
Yugoslavia	2	0	2
Total	3591	2429	1162



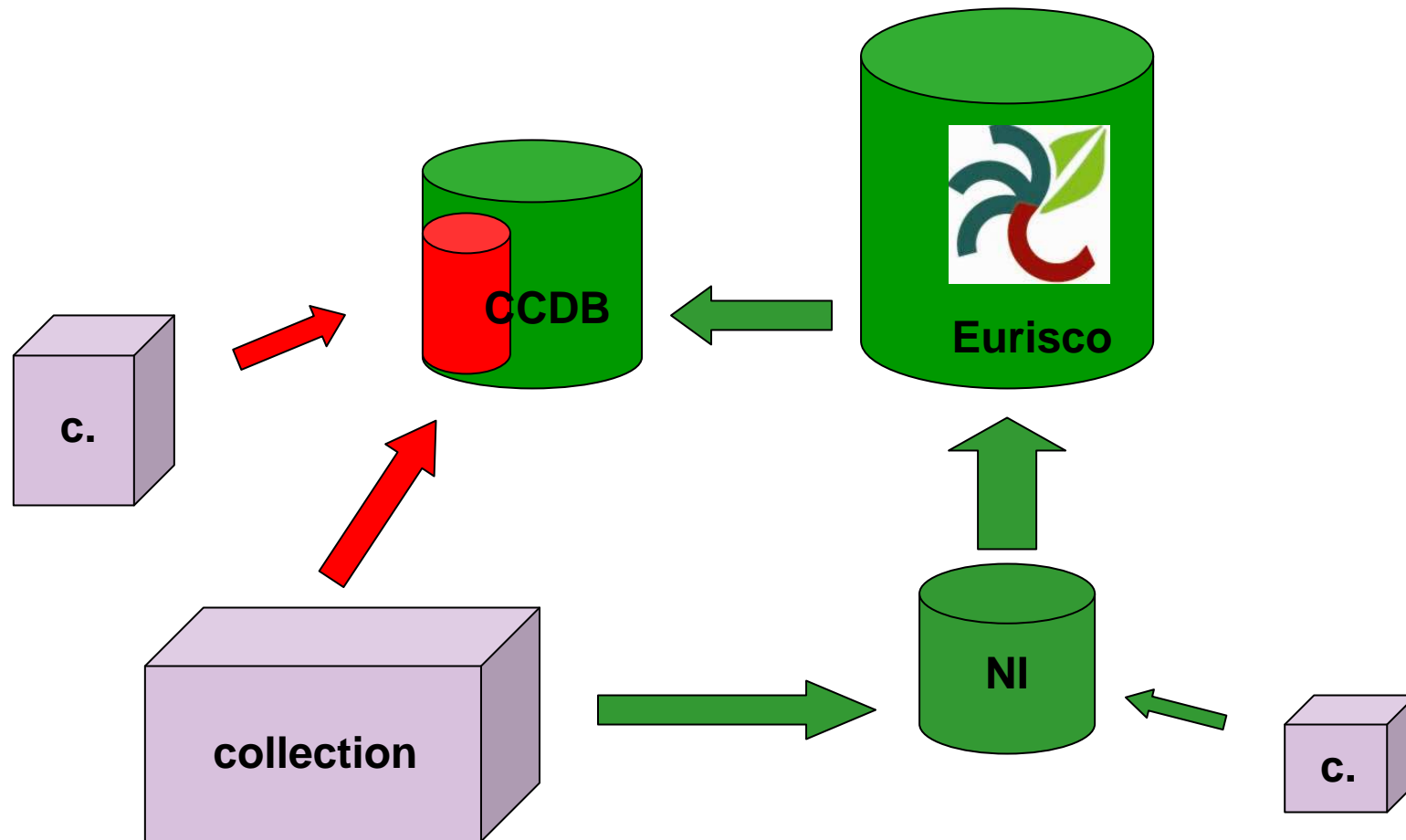
Avena

	EADB	EURISCO	Difference
ARM	0	11	-11
AUT (2)	416	306	110
AZE	0	3	-3
BEL	627	0	627
BGR	382	2308	-1926
CHE	0	1	-1
CZE	2000	1996	4
DEU	4948	4756	192
ESP	2558	1307	1251
EST	135	130	5
FRA	820	0	820
GBR (2)	2984	2709	275
GEO	0	1	-1
GRC	21	23	-2
HUN	1150	1228	-78
IRL	0	23	-23
ITA	0	630	-630
LTU	615	33	582
LVA	324	5	319
NLD	556	536	20
POL	1287	2320	-1033
PRT	41	20	21
ROM	0	201	-201
RUS	13116	11857	1259
SVK	93	994	-901
SWE (2)	722	726	-4
TUR	643	0	643
UKR (2)	377	548	-171
YUG	168	0	168
Total	33983	32672	1311

Discrepancies

- Eurisco has unique data
 - CCDBs have unique data
- } They complement nicely
- Eurisco and CCDBs have different data sets for the same country

Current data flow (reasons for discrepancies)





Points for discussion Proposals for action

- CCDBs are gathering passport data from various sources – this is an enriching opportunity
- Our aim is that CCDBs increasingly obtain (validated) passport data from EURISCO
- Strengthen role of Working Groups in providing passport data to NI / EURISCO
- CCDB managers could liaise with EURISCO Coordinator/NI Focal Points, alerting about presence of non-validated data = Strengthen Focal Points / National Programmes

CCDB status

60 CCDBs

35 on-line (of which 16 also off-line) (58%)

10 additional off-line (17%)

15 not available/under construction (25%)

Total N. of accessions: > 730.000

Databases with C/E data: 12 (20%)

C/E data & other features

Database	On-line	Off-line	Not available /Under constr.	Passport Descriptors	C/E data	N accessions	N charact. Descriptors	Other Features
Avena	x	x		MCPD	x	32694	68	pictures
Barley	x				x	155000	3	
Maize	x	x		MCPD	x	11865	27	
Wheat	x	x		Ext. MCPD	x	162860	21	
Prunus	x			Ext MCPD	x	3914		
Pyrus	x			Ext MCPD		10302	8	synonyms, pictures
Vitis	x			other	x	15936	71	pictures
Beta	x	x		MCPD	x	10485	83	
Potato - wild		x		MCPD	x	10341	86	
Potato - cultivated	x			other	x	11600	55	
Brassica	x	x		Eurisco	x	24172	29	microsatellites
Minor leafy vegetables			x	Eurisco	x	164	6	
Eggplant	x			Eurisco	x	5022	7	links; literature DB; bibliography per accession; pictures

Role of EURISCO

- Provide access to passport (and related information) from all National Inventories and all crops (validated data at country level). PGRFA information hub for Europe (like GBIF).
- Contribution to exchange of information (Art 17 of CBD)
- Contribution to global information system (Art. 17 of IT)
- Contribution to MLS and AEGIS registration
- Contribution to sMTA reporting procedure
- Definition of standards for data exchange

Role of CCDBs

- Gather data beyond passport or...
- Advise EURISCO on data to be gathered beyond passport (C&E; collection management data; cultivar data, synonyms, pictures; molecular data)
- Crop specific searches/visualization (GIS tools; queries and results in various formats)
- Crop specific data analysis (MAA; duplicate and gaps; core collections; management needs)
- Catalyze crop expert groups activities (improve data quality; AEGIS activities; expansion to crop portals)

Issues

- C&E data are not easily searchable
- C&E updating mechanism is not resolved (but the new **EURISCO/ALIS infrastructure may solve the pb now**)
- Is there a need for a centralized genebank management function ? ---→ **AEGIS will need one!**
- Not all crops are covered by CCDBs
- How will the new elements in progress fit in the picture?
 - » ALIS
 - » GRIN-Global
 - » Crop Portals



How to address the various issues?

Perhaps preparing a:

“Vision paper for a PGR European Information System”

- Agree on TORs
- WHO: Doc & Info NCG with inputs from AEGIS Advisory Committee, others?
- By WHEN: ECPGR Steering Committee meeting, September 2008 ??