

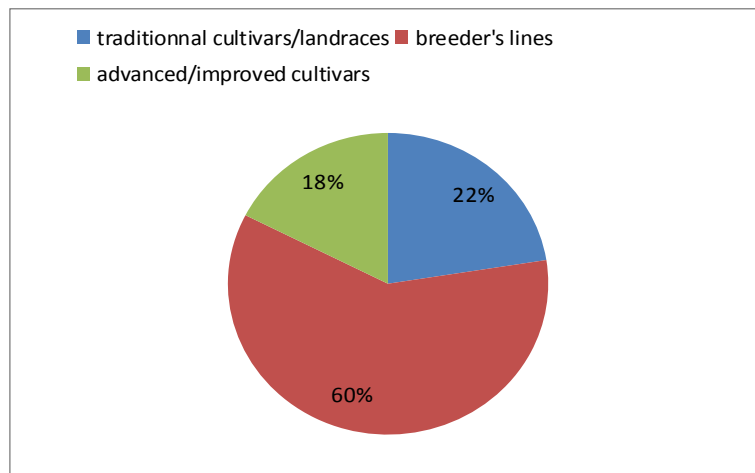
Status of AEGIS candidate collection

Number of AEGIS accessions per country of origin

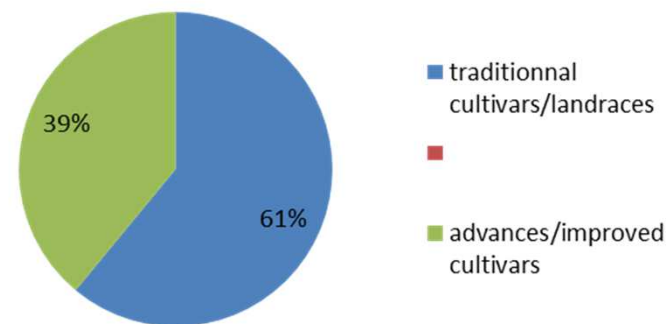
ECPG Activity	ORIGCTY	T. aestivum (6X)	T.spelta (6X)	tetraploid wheat species (4X)	T.Monococcum (2X)	Secale cereale
TRAID	FRA	1716				
TRISECA	FRA		11	159	13	50

Status of sample in AEGIS collection

TRAID



TRISECA



TRISECA Meeting

3-4 October 2017, Radzikow, Poland



European Cooperative Programme for Plant Genetic Resources



Summary of passeport data (MCPD v2)

Country	Number of AEGIS accessions	INSTCODE	ACCENUMB	COLLNUMB
	233	100%	100%	0
COLLCODE	GENUS	SPECIES	SPAUTHOR	SUBTAXA
0	100%	100%	100%	73%
SUBTAUTHOR	CROPNAME	ACCENAME	ACQDATE	ORIGCTY
52%	85%	100%	100%	100%
COLLSITE	LATITUDE	LONGITUDE	ELEVATION	COLLDATE
0	0	0	0	0
BREDCODE	SAMPSTAT	ANCEST	COLLSRC	DONORCODE
37%	100%	34%	0	82%
DONORNUMB	OTHERNUMB	DUPLSITE	STORAGE	MLSSTAT
29%	85%	100%	100%	100%
REMARKS	GR_CLASS	PLOIDY	REG_YEAR	SYNONYM_
0	0	100%	81/91	0
EXP_CODE	SITE_DES	HERBAR_	PRINC_ATTR	ENTRY_DATE
0	0	100%	0	0
MAN_CENTER	AVAILAB	AEGISSTAT		
100%	100%	100%		

MANDATORY
OPTIONAL

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Summary of Wheat C&E data

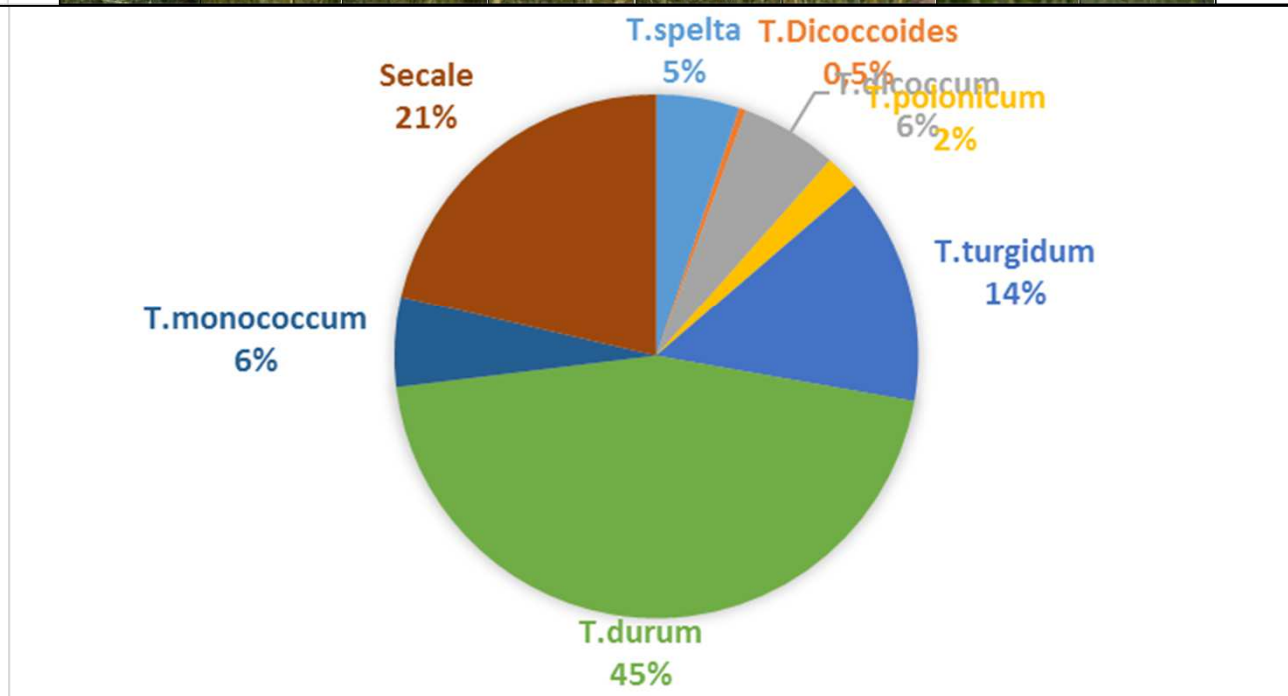
Country	Number of AEGIS accessions	II/I AWNEDNESS	II/2 GRAIN COLOUR
FRA040	183	100%	100%
II/3 GLUME COLOUR	II/4 GLUME HAIRINESS	II/5 SPIKE DENSITY	II/6 PLANT HEIGHT
100%	100%	100%	100%
II/7 1000-KERNEL WEIGHT	II/8 PROTEIN CONTENT	II/9 PRINCIPAL UTILIZATION	II/10 YIELD LEVEL
100%	0	0	0
II/11 LODGING INTENSITY	II/12 S TO STEM RUST	II/13 S TO STRIPE RUST	II/14 S TO LEAF RUST
100%	86%	86%	86%
II/15 S TO POWDERY MILDEW	II/16 S TO LEAF BLOTCH	II/17 S TO GLUME BLOTCH	II/18 S TO HEAD BLIGHT
86%	86%	0	0
II/19 S TO EYESPOT	II/20 S TO TAKE-ALL	II/21 S TO TAN SPOT	II/22 ZELENY TEST
0	0	0	0

Summary of Rye C&E data

Institute code	Nbr of Aegis accessions	1- Country of Characterisation	2-Year of Characterisation
FRA040	50	100%	100%
3-Growth class	4-Plant height (class)	5-Plant height (cm)	6- Powdery mildew resistance
100%	100%	100%	100%
7- Stem rust resistance	8-Leaf rust resistance	9- Fusarium resistance	10- Eyespot resistance
100%	100%	100%	0
11- TKW (class)	12-TKW (g)	13- Grain protein content	
100%	100%	0	

TRISECA candidates accessions

Espèce	T.spelta	T.dicoccoides	T.dicoccum	T.polonicum	T.turgidum	T.durum	T.monococcum	Secale	Total
Effectifs	12	1	14	5	33	106	13	50	234
									



Plant height diversity in wheat accessions



T. monococcum



T. spelta



T. dicoccum



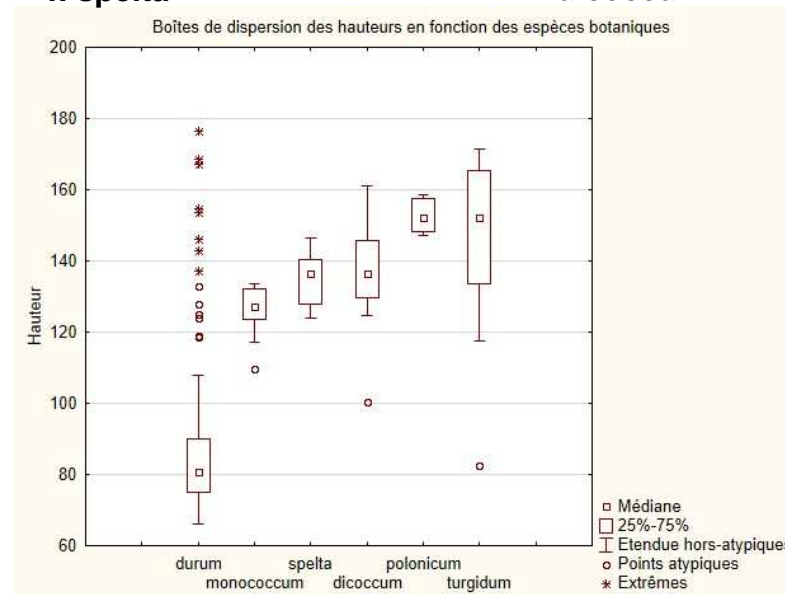
T. polonicum



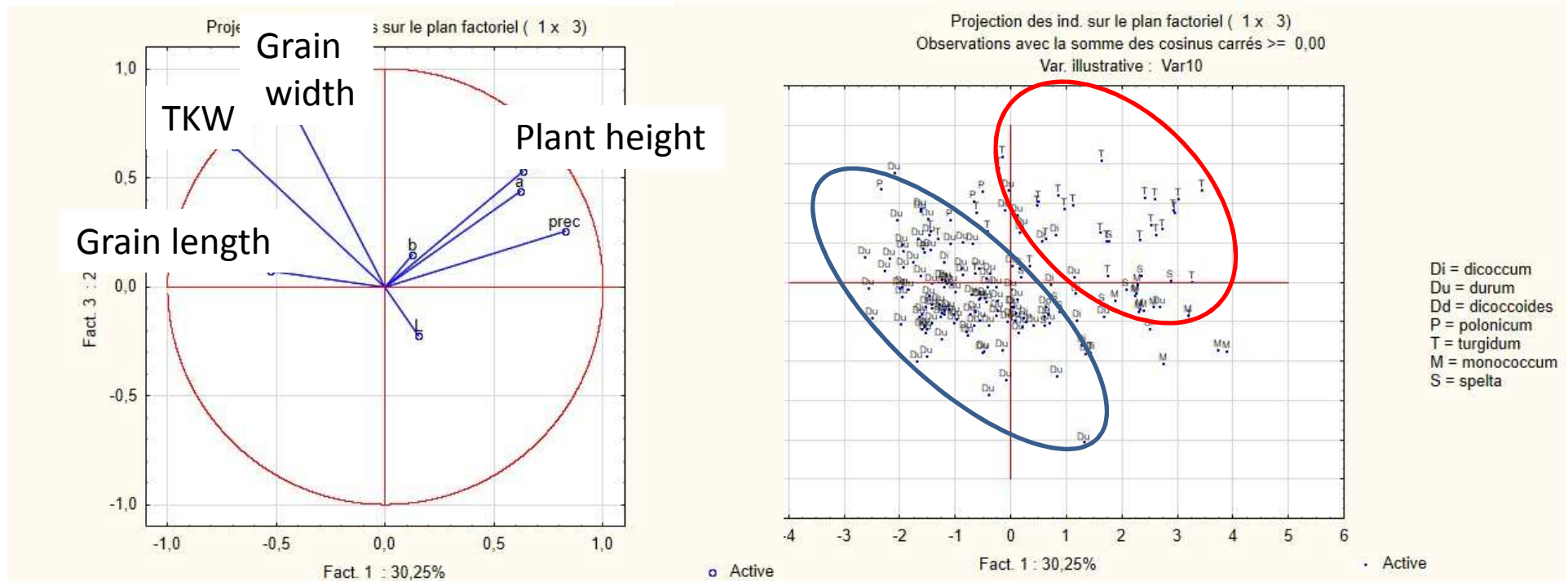
T. durum



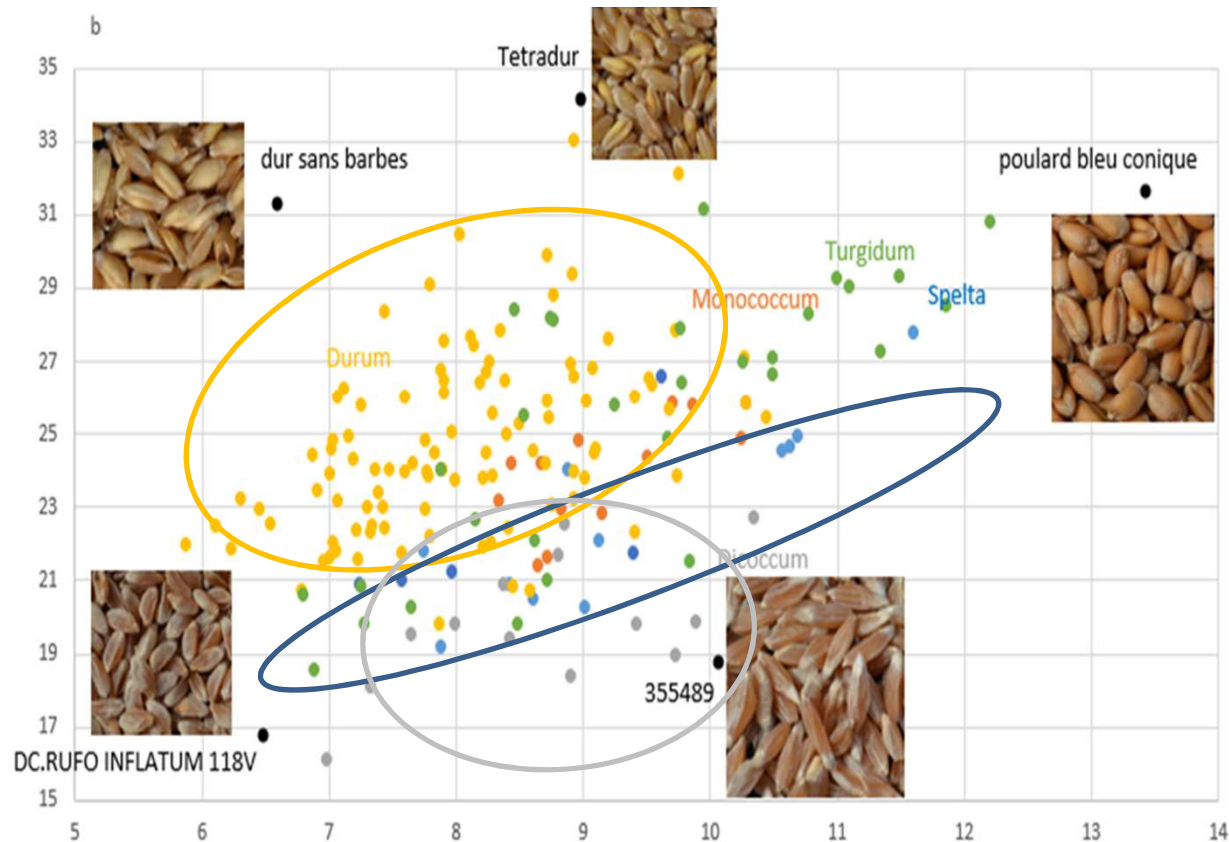
T. turgidum



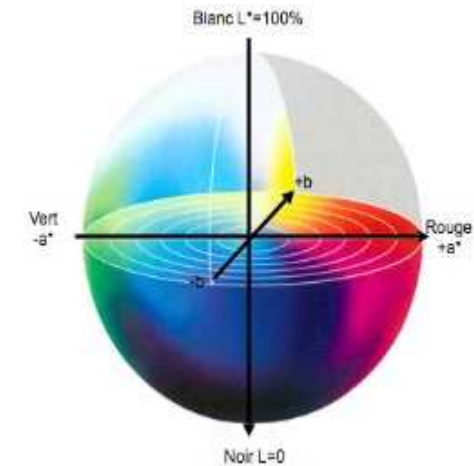
ACP on wheat accessions using C&E data



Grain colour in wheat accessions



Plot of wheat accessions according to a and b parameters of CIE Lab system



CIE L a b colorimetric system



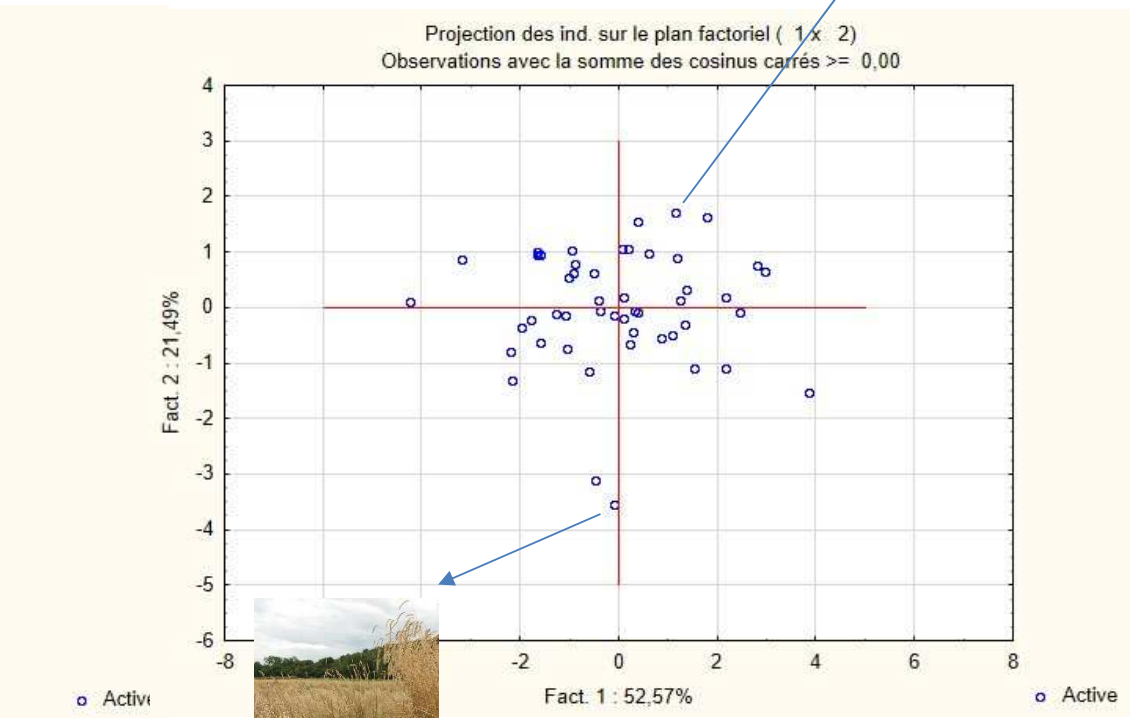
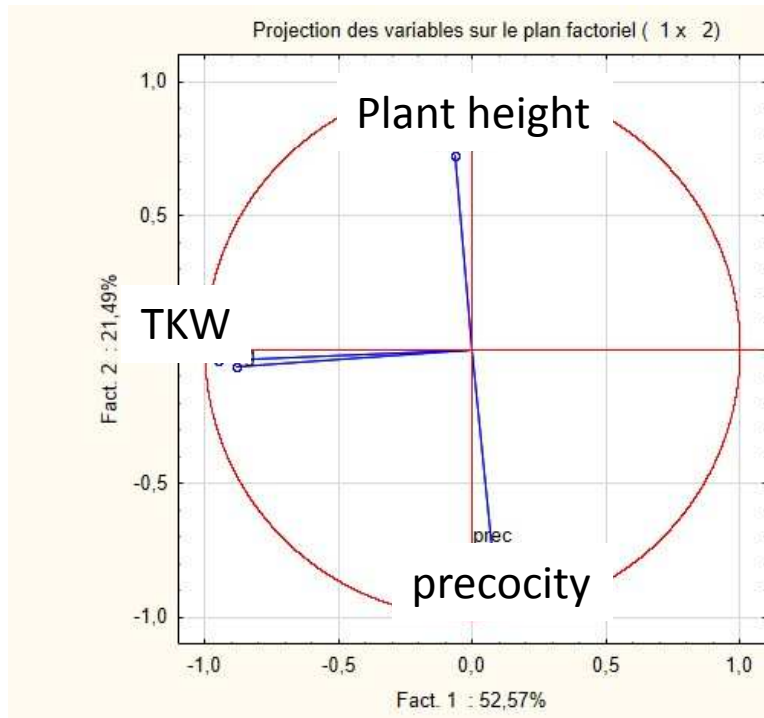
Spectrophotometer Konica-Minolta

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3-4 October 2017, Radzikow, Poland



ACP on rye accessions using C&E data



TKW and grain shape in wheat and rye species

	TKW				
	N	Moy.	Ec-T.	Min.	Max.
T.durum	106	51,17	8,76	22,57	74,42
T.turgidum	35	54,55	9,41	35,61	73,72
T.dicoccum	14	43,36	7,38	32,75	54,44
T.monococcum	13	31,54	4,54	24,07	37,54
T.spelta	11	42,99	5,35	32,06	51,86
T.polonicum	5	65,10	5,40	59,28	73,72
Triticum	184	48,12	6,81	22,57	74,42
Secale	50	34,10	5,60	18,75	48,88

	grain length / width ratio					
	N	Moy.	Ec-T.	Min.	Max	
Round shape	T.durum	106	2,18	0,18	1,85	2,79
	T.turgidum	33	1,88	0,15	1,69	2,30
	T.dicoccum	14	2,50	0,25	2,11	3,16
	T.monococcum	13	2,24	0,15	1,99	2,51
elongated	T.spelta	11	2,34	0,17	2,14	2,70
	T.polonicum	5	2,69	0,23	2,43	2,91
	T.dicoccoides	1	2,50	0,00	2,50	2,50
	Triticum	184	2,33	0,16	2,10	2,70
Secale	50	2,69	0,11	2,49	3,09	



Opto-machine Optoagri2

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