ROM007

Status of AEGIS candidate collection

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TRISECA Meeting

3 - 4 October 2017, Radzikow, Poland

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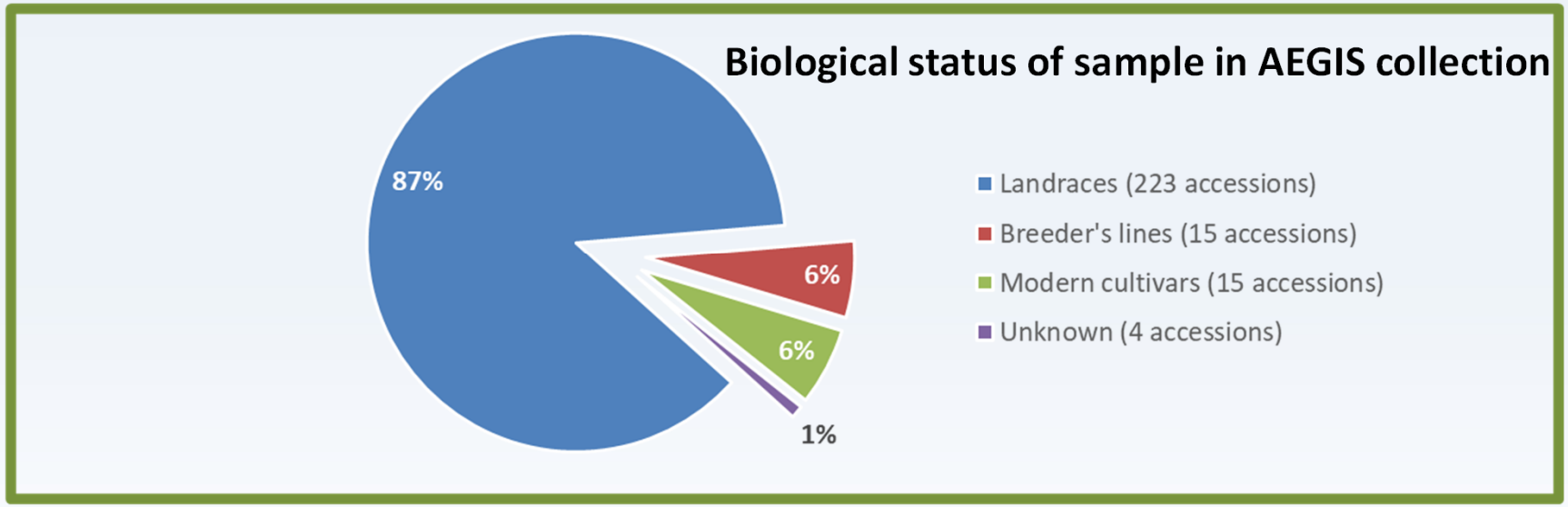
Status of AEGIS candidate collection

Number of AEGIS accessions per country of origin

ECPGR Activity	ORIGCTY	*T. aestivum* (6X)	*T. spelta* (6X)	*Tetraploid wheat species* (4X)	*Triticum monococcum* (2X)	*Secale cereale*
TRAID	Romania	129	-	-	-	-
TRISECA	Romania	-	-	12	44	72



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Summary of passport data (MCPD v2)

TRAID + TRISECA accessions

MANDATORY
OPTIONAL

Country	Number of AEGIS accessions	INSTCODE	ACCENUMB	COLLNUMB
Romania	257	100%	100%	53%
COLLCODE	**GENUS**	**SPECIES**	**SPAUTHOR**	**SUBTAXA**
100%	100%	100%	100%	28%
SUBTAUTHOR	**CROPNAME**	**ACCENAME**	**ACQDATE**	**ORIGCTY**
19%	100%	100%	100%	100%
COLLSITE	**LATITUDE**	**LONGITUDE**	**ELEVATION**	**COLLDATE**
100%	100%	100%	100%	100%
BREDCODE	**SAMPSTAT**	**ANCEST**	**COLLSRC**	**DONORCODE**
100%	98%	0%	100%	100%
DONORNUMB	**OTHERNUMB**	**DUPLSITE**	**STORAGE**	**MLSSTAT**
68%	3%	0%	100%	86%
REMARKS	**GR_CLASS**	**PLOIDY**	**REG_YEAR**	**SYNONYM_**
0%	100%	100%	100%	6%
EXP_CODE	**SITE_DES**	**HERBAR_**	**PRINC_ATTR**	**ENTRY_DATE**
0%	0%	50%	0%	0%
MAN_CENTER	**AVAILAB**	**AEGISSTAT**		
0%	100%	100%		

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Summary of passport data (MCPD v2)

TRISECA accessions

MANDATORY
OPTIONAL

Country	Number of AEGIS accessions	INSTCODE	ACCENUMB	COLLNUMB
Romania	128	100%	100%	39%
COLLCODE	**GENUS**	**SPECIES**	**SPAUTHOR**	**SUBTAXA**
100%	100%	100%	100%	12%
SUBTAUTHOR	CROPNAME	ACCENAME	ACQDATE	ORIGCTY
33%	100%	100%	100%	100%
COLLSITE	**LATITUDE**	**LONGITUDE**	**ELEVATION**	**COLLDATE**
100%	100%	100%	100%	99%
BREDCODE	**SAMPSTAT**	**ANCEST**	**COLLSRC**	**DONORCODE**
100%	97%	0%	100%	100%
DONORNUMB	**OTHERNUMB**	**DUPLSITE**	**STORAGE**	**MLSSTAT**
84%	7%	0%	100%	88%
REMARKS	**GR_CLASS**	**PLOIDY**	**REG_YEAR**	**SYNONYM_**
0%	100%	100%	100%	12%
EXP_CODE	**SITE_DES**	**HERBAR_**	**PRINC_ATTR**	**ENTRY_DATE**
0%	0%	0%	0%	0%
MAN_CENTER	**AVAILAB**	**AEGISSTAT**		
0%	100%	100%		

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Summary of Characterisation & Evaluation data

TRAID + TRISECA accessions

MANDATORY
OPTIONAL

Country	Number of AEGIS accessions	II/I AWNEDNESS	II/2 GRAIN COLOUR
ROMANIA	257	85%	89%
II/3 GLUME COLOUR	**II/4 GLUME HAIRINESS**	**II/5 SPIKE DENSITY**	**II/6 PLANT HEIGHT**
89%	89%	89%	61%
II/7 1000-KERNEL WEIGHT	**II/8 PROTEIN CONTENT**	**II/9 PRINCIPAL UTILIZATION**	**II/10 YIELD LEVEL**
67%	50%	12%	0%
II/11 LODGING INTENSITY	**II/12 S TO STEM RUST**	**II/13 S TO STRIPE RUST**	**II/14 S TO LEAF RUST**
0%	29%	35%	67%
II/15 S TO POWDERY MILDEW	**II/16 S TO LEAF BLOTCH**	**II/17 S TO GLUME BLOTCH**	**II/18 S TO HEAD BLIGHT**
67%	0%	70%	0%
II/19 S TO EYESPOT	**II/20 S TO TAKE-ALL**	**II/21 S TO TAN SPOT**	**II/22 ZELENY TEST**
15%	0%	0%	0%

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Summary of Characterisation & Evaluation data

TRISECA accessions

MANDATORY
OPTIONAL

Country	Number of AEGIS accessions	II/I AWNEDNESS	II/2 GRAIN COLOUR
ROMANIA	128	52%	52%
II/3 GLUME COLOUR	**II/4 GLUME HAIRINESS**	**II/5 SPIKE DENSITY**	**II/6 PLANT HEIGHT**
52%	52%	52%	52%
II/7 1000-KERNEL WEIGHT	**II/8 PROTEIN CONTENT**	**II/9 PRINCIPAL UTILIZATION**	**II/10 YIELD LEVEL**
52%	37%	39%	0%
II/11 LODGING INTENSITY	**II/12 S TO STEM RUST**	**II/13 S TO STRIPE RUST**	**II/14 S TO LEAF RUST**
0%	52%	52%	52%
II/15 S TO POWDERY MILDEW	**II/16 S TO LEAF BLOTCH**	**II/17 S TO GLUME BLOTCH**	**II/18 S TO HEAD BLIGHT**
52%	0%	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%

MANDATORY
OPTIONAL

Summary of Rye C&E data

Institue code	Nr. of AEGIS accessions	1- Country of Characterisation	2-Year of Characterisation
ROM007	72	Romania	21%
3-Growth class	4-Plant height (class)	5-Plant height (cm)	6- Powdery mildew resistance
21%	0%	0%	21%
7- Stem rust resistance	8-Leaf rust resistance	9- Fusarium resistance	10- Eyespot resistance
0%	21%	0%	0%
11- TKW (class)	12-TKW (g)	13- Grain protein content	
21%	21%	0%	

Diversity within the TRISECA collection

Illustrated through:

- Collecting sites for LRs
- Collection structure based on taxonomy, at species level

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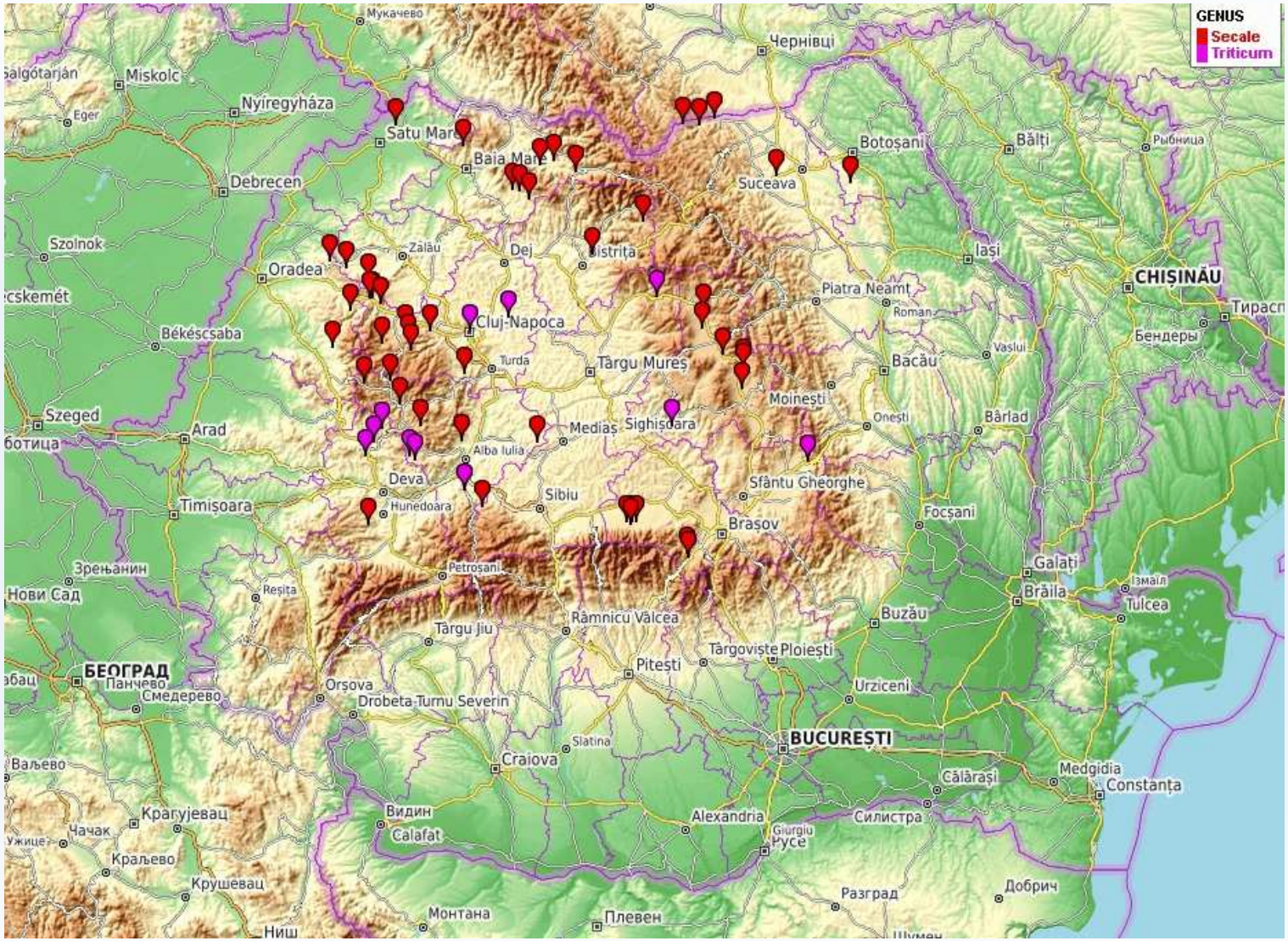
Collecting sites for LRs



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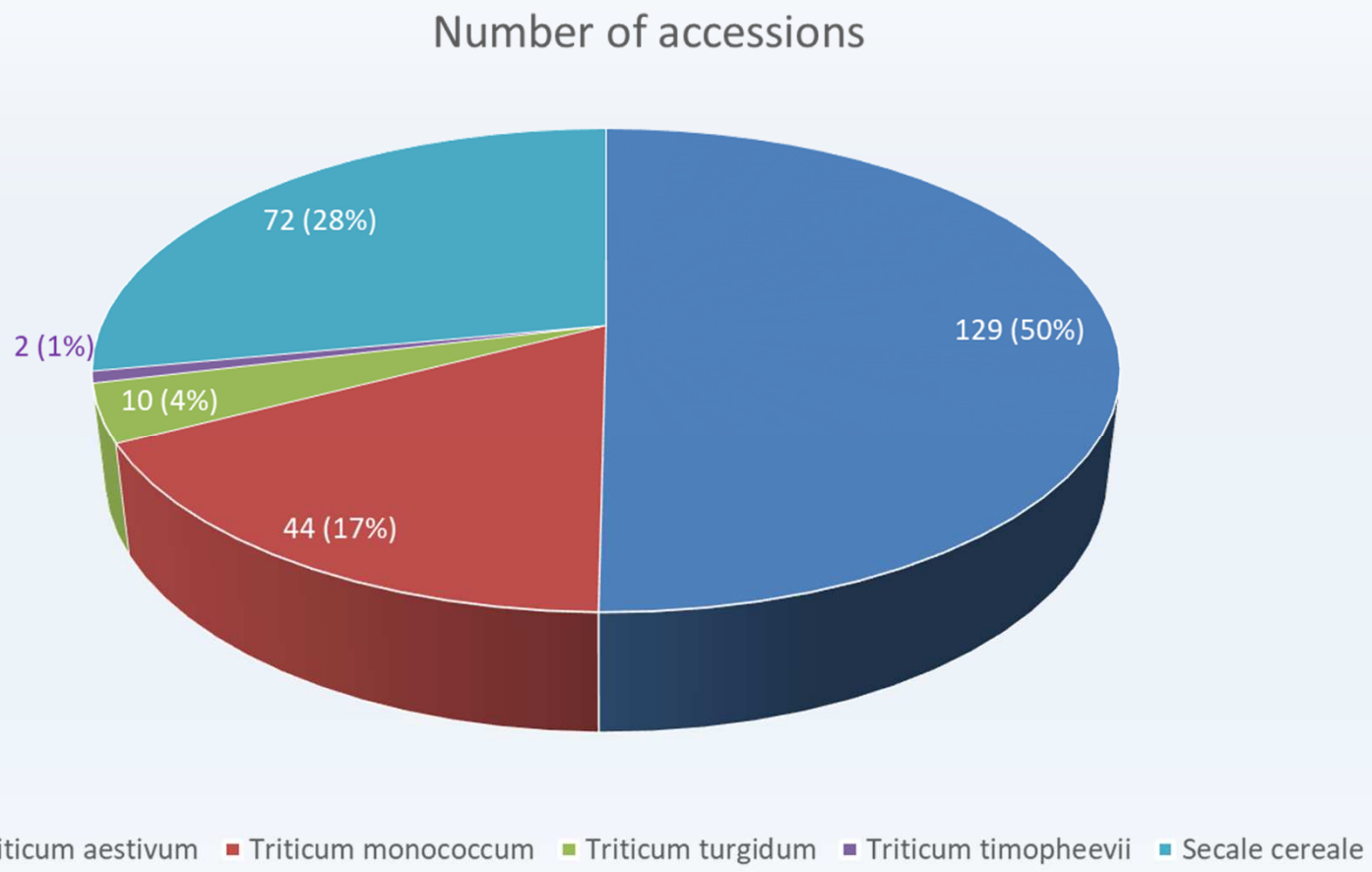
Structure of AEGIS collection based on taxonomy, at species level



Future plans:

2017/2018

- Characterization & evaluation of all AEGIS *Secale cereale* accessions (72 acc.);
- Multiplication/regeneration of 36 AEGIS *Secale cereale* accessions;
- Characterization & evaluation of 27 AEGIS *Triticum* accessions.

Thanks for your attention!