

## European *Pisum* central crop database (EPDB)

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One of the activities organized under the European Cooperative Programme for plant genetic resources (ECPGR) is the collation of European central databases (ECCDBs) of germplasm holdings across European collections for specific genera or species. An early collation for *Pisum* was initiated some 20 years ago by Peter Matthews et al. (1) but the exercise remained a work in progress. Over the past year this task has been reactivated, an undertaking which was greatly facilitated by development of National Inventories as part of the European search catalogue EURISOC (2). This system has been developed with close reference to the ECCDBs with respect to common data fields and descriptions e.g. multicroop passport descriptors developed by FAO/IPGRI.

The EPDB contains details of holdings from 43 collections from 26 European countries and holds a total of 32503 entries (Appendix 1). The details of collections from JIC, INRA France and VIR Russia were compiled in 2008 making the EPDB the most up to date point of reference for European germplasm holdings (3).

A further phase of development of the EPDB is planned whereby the database will be extended to include passport data from key *Pisum* collections from other parts of the world. This work is being planned as an activity of PeaGRIG (4).

1. Matthews, P., Swiecicki, W. and Winfield, P. 1994. In: Proceedings of the genetic resources section meeting of EUCARPIA, Clermont-Ferrand, France. pp 99-107.
2. EURISOC [http://eurisco.ecpgr.org/about/about\\_eurisco.php](http://eurisco.ecpgr.org/about/about_eurisco.php)
3. EPDB <http://www.ecpgr.cgiar.org/databases/Crops/Pisum.htm>
4. Furman, B.J., Ambrose, M.J., Coyne, C.J. and Redden, B. 2006. *Pisum Genetics* 38:32-34.

## Appendix 1.

Table of collections represented in the European Pisum Central Crop database

	Country Code	Institute Code	Institute Name		Number of records	Reference Date
1	ARM	ARM002	Armenian Agricultural Academy Yerevan		2	08-04-2005
2	ARM	ARM005	Institute of Botany, National Academy of Sciences of Armenia Yerevan		11	08-04-2005
3	AUT	AUT001	Agrobiology Linz - Austrian Agency of Health and Foodsafety / Seed Co Linz		63	31-05-2007
4	AUT	AUT005	Genebank Tyrol Tyrolean Government Innsbruck, Tirol		4	31-05-2007
5	AUT	AUT025	Research Station for Special Crops Wies 88		2	31-05-2007
6	AUT	AUT046	Arche Noah Association, Ober Strasse 40, Schiltern, A-3553	<a href="mailto:office@arche-noah.at">office@arche-noah.at</a>	47	31-05-2007
7	AZE	AZE003	Agricultural Research Institute 370098 Baku		5	21-09-2005
8	AZE	AZE005	Vegetable Growing Research Institute, Pirshagi Village, Baku	<a href="mailto:azetti@bakinter.net">azetti@bakinter.net</a>	15	21-09-2005
9	AZE	AZE014	Azerbaijan Agricultural Academy, Ataturk Ave. 262, Ganja	<a href="mailto:akta@azeronline.com">akta@azeronline.com</a>	1	21-09-2005
10	AZE	AZE015	Azerbaijan National Academy of Sci Genetic Resources Institute Baku		16	21-09-2005
11	BGR	BGR001	Institute of Plant Introduction and Genetic Resources K. Malkov' Sadovo, District Plovdiv		1415	01-11-2004
12	CHE	CHE001	Station Federale de Recherches Agronomiques de Changins Nyon		7	17-09-2003
13	CHE	CHE063	Pro Specie Rara, Pfrundweg 14, Aarau	<a href="mailto:sekretariat@psrara.org">sekretariat@psrara.org</a>	11	17-09-2003
14	CHE	CHE071	Schweizer Bergheimat, Unterguetschstr.11, Lucerne	<a href="mailto:info@schweizer-bergheimat.ch">info@schweizer-bergheimat.ch</a>	5	17-09-2003
15	CYP	CYP004	Agricultural Research Institute Plant Genetic Res. and Herbarium Nicosia		6	17-09-2003
16	CZE	CZE061	Genebank Department - Vegetable Section Olomouc, RICP Prague	<a href="mailto:VURV@genobanka.cz">VURV@genobanka.cz</a>	988	27-08-2007
17	CZE	CZE090	AGRITEC, Research, Breeding and Services Ltd., Sumperk	<a href="mailto:info@agritec.cz">info@agritec.cz</a>	1273	27-08-2007
18	DEU	DEU146	Genebank, Inst. for Plant Genetics and Crop Plant Research (IPK) Gatersleben		5505	27-08-2007
19	ESP	ESP004	Centro de Recursos Fitogeneticos Alcalá de Henares, Madrid		482	11-04-2005
20	EST	EST001	Jogeva Plant Breeding Insitute Jogeva		36	17-09-2003
21	FRA	FRA043	INRA, Station de Genetique et d'Amelioration des Plantes, Dijon		1891	28-05-2008
22	GBR	GBR006	Warwick HRI Genetic Resources Unit, Wellesbourne	<a href="mailto:dave.astley@warwick.ac.uk">dave.astley@warwick.ac.uk</a>	4	19-04-2005
23	GBR	GBR011	John Innes Centre Norwich Research Park Norwich, Norfolk NR4 7UH	<a href="mailto:Mike.ambrose@bbsrc.ac.uk">Mike.ambrose@bbsrc.ac.uk</a>	3496	10-12-2007
24	GEO	GEO001	Scientific Research Institute of Farming Mtskheta, Tserovani		1	17-09-2003
25	GEO	GEO013	N.Ketskhoveli Institute of Botany Tbilisi		3	17-09-2003
26	GRC	GRC005	Greek Genebank, Agricultural Research Centre of Macedonia and Thrace, Thermi, Thessaloniki	<a href="mailto:cereal@otenet.gr">cereal@otenet.gr</a>	29	10-06-2005
27	HUN	HUN003	Institute for Agrobotany Tapioszele		1188	04-12-2007
28	ISR	ISR002	Israel Gene Bank for Agricultural Crops, Agricultural Research Org. Bet Dagan		1	27-08-2003

	Country Code	Institute Code	Institute Name		Number of records	Reference Date
29	LTU	LTU001	Lithuanian Institute of Agriculture Dotnuva-Akademija, Kedainiai D		9	17-09-2003
30	LVA	LVA010	Plant Genetics Laboratory Institute of Biology Salaspils		36	01-08-2005
31	NGB	SWE002	NordGen, Nordic Genetic Resource Centre Alnarp		2712	10-01-2007
32	NLD	NLD037	Centre for Genetic Resources, the Netherlands (CGN) Wageningen		1001	04-12-2007
33	POL	POL003	Plant Breeding and Acclimatization Institute Blonie, Radzikow near Warsaw		2321	02-11-2007
34	POL	POL030	Plant Genetic Resources Laboratory, Research Institute of Vegetable Crops, Skierniewice	tkotlin@inw arz. <a href="mailto:tkotlin@inw arz. skierniewice.pl">skierniewice.pl</a>	122	02-11-2007
35	PRT	PRT005	Banco de Germoplasma - Genetica Estacao Agronomica Nacional Oeiras		29	17-09-2003
36	ROU	ROM007	Genebank of Suceava Suceava, Judetul Suceava		134	27-12-2005
37	ROU	ROM008	Agricultural Research Station Simnic		24	27-12-2005
38	ROU	ROM019	Research Institute for Vegetables and Flower Gardening Vidra, Ilfov	<a href="mailto:inclf@mc.ro">inclf@mc.ro</a>	10	27-12-2005
39	ROU	ROM023	University of Agricultural Sciences and Veterinary Medicine Timisoar Timisoara		2	27-12-2005
40	RUS	RUS001	N.I. Vavilov Research Institute of Plant Industry St. Petersburg		7235	28-01-2008
41	SVK	SVK001	Research Institute of Plant Production Piestany		549	20-09-2007
42	UKR	UKR001	Yurjev Institute of Plant Breeding Kharkov		1671	28-04-2004
43	UKR	UKR009			141	28-04-2004

Name summary	
ACCENAME	Count
	3697
Local	744
	425
P.SATIVUM-ETHIOPIA	350
Guisante	195
Chlorotica	183
-	126
P.SATIVUM-AFGHANISTAN	66
P.FULVUM	55
P.ELATIUS	49
MUSHUNG	48
variomaculata	45
P.SATIVUM	44
P.SATIVUM-TURKEY	41
Mestnyi	36
/xantha	36
/CHLORINA	34
Keerau pea	30
P. SATIVUM	30
P.ABYSSINICUM	30
VICTORIA	30
Ethiopia-30	30
P.SATIVUM-INDIA	30
POPULATION - 1	29
P.SATIVUM-HINDUKUSCH	29
METEOR	28
Ethiopia-32	26
P. FULVUM	26
Matar	25
Fasciata	23
P.SPECIOSUM	23
Arveja	23
vix-cerata	23
ONWARD	22
POPULATION - 2	22
Pelyushka	22
RONDO	21
ACACIA	19
FIELD PEA	19
Mixture	19
P. SPECIOSUM	19
Arvejo	19
THOMAS LAXTON	18
ATAR	18
RAMOSUS	18
POPULATION 1	18
Pelyushka Local	18
POPULATION - 3	18
Sugar	17
SOLARA	17
NIKE	17

Name summary	
ACCENAME	Count
BOHATYR	17
Prostoy	17
chicharo	17
VITALIS	16
MISTSEVII	16
P.SATIVUM-CHINA	16
Ethiopia-31	16
AURALIA	16
tf.	16
COBRI	15
Local(ATAR)	15
folia oblonga	15
Mahorg	15
LINCOLN	15
P.SATIVUM-MALAWI	15
Wiraig	15
winter	15
AFILA	15
P. ELATIUS	15
brevi-internodium	15
Cerosa	15
reductus	14
densinodosum	14
Senator	14
COSTATA	14
Kelvedon Wonder	14
PUGET	14
Mel'kak	14
P.SATIVUM-SPAIN	14
BELINDA	13
Arvello	13
/compactum	13
FLAVANDA	13
GRADUS	13
Presol	13
P.SATIVUM-NEPAL	13
PORTA	13
KARINA	13
Hundredfold	13
HUSTLER	13
MINULUS	13
P.SATIVUM-GREECE	13
CHLOROTICA-chi	12
POPULATION - 6	12
NEW ERA	12
Bodil	12
SIRIUS	12
RUGA	12
ALASKA	12
VIRTUS	12
Maximo-Reductus-mare	12

Name summary

ACCENAME	Count
Record	12
WEITOR	12
TOPAZ	12
green	12
GLACIER	12
Gigas	12
MARO	12
FROGEL	12
RAMAN	12
FINALE	12
LITTLE MARVEL	12
Fenn	12
GALI	12
PARADE	11
PILOT	11
Progreta	11
P.SATIVUM-CANARIES	11

Name summary

ACCENAME	Count
TELEPHONE	
EARLY BLUE	
Herma	
FRILA	
FRIDOL	
FIRST AND BEST	
Feltham First	
Consort	
early flowering node	
Saxa	
DUKAT	
HERALDA	
Zelka	
Smaragd	
CHAMPION OF ENGLAND	
SCOUT	
longo-internodium	

Name summary		
ACCENAME	Count	SAMPSTAT
	29	500
P.SATIVUM-ETHIOPIA	19	500
P.SATIVUM-MALAWI	15	500
-	12	500
BELINDA	12	500
ONWARD	11	500
LINCOLN	10	500
HUSTLER	10	500
Saxa	9	500
SOLARA	9	500
THOMAS LAXTON	9	500
FIELD PEA	9	500
P.SATIVUM-TURKEY	9	500
NEW ERA	9	500
Smaragd	8	500
Record	8	500
RONDO	8	500
METEOR	8	500
Senator	8	500
Kelvedon Wonder	8	500
Hundredfold	8	500
Greenfeast	8	500
Unica	8	500
BOHATYR	8	500
NIKE	7	500
Herma	7	500
KARINA	7	500
Giant Stride	7	500
FLAVANDA	7	500
LITTLE MARVEL	7	500
Feltham First	7	500
Countess	7	500
Consort	7	500
BETA	7	500
HORAL	7	500
PUGET	7	500
Zelka	7	500
VIRTUS	7	500
PILOT	7	500
VITALIS	7	500
Progreta	7	500
TRITON	7	500
Finette	6	500
TRUMPF	6	500

Name summary		
ACCENAME	Count	SAMPSTAT
VENUS	6	500
EARLY BIRD	6	500
DUKAT	6	500
COBRI	6	500
CLIPPER	6	500
Cicero	6	500
Chernin Long	6	500
Cennia	6	500
TRIO	6	500
WEITOR	6	500
BIG BEN	6	500
Welcome	6	500
Wunder von Kelvedon	6	500
Aviator	6	500
Aurora	6	500
AURALIA	6	500
ADMIRALBEATTY	6	500
CENTURION	6	500
Hydra	6	500
ORLIK	6	500
NEPTUNE	6	500
MIRA	6	500
Mingomark	6	500
PARADE	6	500
MARO	6	500
Zimujuscij	6	500
PORTA	6	500
Kelvedon Triumph	6	500
Keerau pea	6	500
FRILA	6	500
IMPOSANT	6	500
Kronenerbse	6	500
Serpette	6	500
SIRIUS	6	500
Skagit	6	500
SPIKET	6	500
HERALDA	6	500
SPRITE	6	500
GRADUS	6	500
GLACIER	6	500
ONSA	6	500
FROGEL	6	500
Irina	6	500