



Lehr- und Forschungszentrum  
Landwirtschaft  
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# Abschlussbericht EFABIS.net

Action 020 (Projekt Nr. 2741)

**An integrated network of  
decentralized country biodiversity  
and genebank databases (EFABIS.net)**

**Workpackage 3  
Final technical country report  
AUSTRIA**

rau

**Projektleitung:**

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[lebensministerium.at](http://lebensministerium.at)

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## Final Technical Report Project EFABIS.net Workpackage 3 Final technical country report Austria

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**Objective 1** *Setup of decentralized national inventories of animal genetic resources on the basis of the EFABIS (QLRT-2001-00026) database system in 12 countries linking them into the existing European EFABIS and FAO DAD-IS databases. National coordinators (NC) of the 13 countries will bring their inventories uptodate to create a global European register of countries animal genetic resources propagating this to FAO's worldwide register.*

### Zusammenfassung

Auf einem Server am LFZ Raumberg-Gumpenstein wurde die EFABIS Software installiert und ist nach der Übersetzung der Benutzeroberfläche und des Datensatzes seit 11.06.2007 unter der Adresse <http://efabis.raumberg-gumpenstein.at> verfügbar. Die Verfügbarkeit der Daten auf Deutsch bedingte eine deutlich verstärkte Nutzung der Datenbank. Mit Ende des Jahres 2010 waren 92 Rassen in der Nutztier-Datenbank registriert. Importierte Rassen werden nur bei einer Population von mehr als 100 weiblichen Herdbuchtieren in der Datenbank registriert. Alle anerkannten österreichischen Rassen werden unabhängig von der Populationsgrösse in die Datenbank aufgenommen. Durch das Fehlen einer zentralen Datenbank für Equiden waren für viele in Österreich gezüchtete Pferderassen keine verlässlichen Populationsdaten verfügbar. Alle vorhandenen Daten bis einschliesslich 2009 waren bis zum Ende des Jahres 2010 aktualisiert.

### Update of national EFABIS database

After the installation of the database and the translation of the EFABIS interface into German the webpage has been available at the address <http://efabis.raumberg-gumpenstein.at> since the 11.06.2007.

92 breeds were registered in the database at the end of the year 2010.

Table 1 shows the yearly actualisation of breed reports from 2007 to 2010. Most of the actualization was done in 2009. All breed data were available in German and in English for upload into DAD-IS at the end of 2010. The availability of the breed data in German caused a marked increase in the use of the website.

All available population data were recorded at the end of 2010, data for 2010 were not yet available (Table 2).

National policy population data: According to the mandate to enter animal genetic resources for food and agriculture (AnGRFA) population data of foreign breeds were entered only if a herdbook exists in Austria and more than 100 breeding females are registered in the herdbook. All acknowledged Austrian breeds are entered into EFABIS regardless of population size.

Technical problems: Austria established the central registration database for horses in 2010. Therefore for most horse breeds no reliable population data existed before 2010. For the breeds Austrian Warmblood, Old Austrian Warmblood, Hafling, Hucul, Noric and Arab population data were updated in 2010. Due to lack of personnel the translation of breed reports was not possible before 2010.

Dissemination of results:

Berger, B., 2007: National Report 2006. European Regional Focal Point Webseite; [www.erfp.com](http://www.erfp.com).

Berger, B., Fischerleitner, F., Ex Situ Conservation of Endangered Farm Animal Genetic Resources in Austria. DAGENE - Workshop; International Meeting - Animal Genetic Resources, 27.06.2007;

Berger, B., Biodiversität in der Landwirtschaft. Biodiversität - was ist das? 10.02.2010

Berger, B., Fischerleitner, F., Erfahrungen mit der Erhaltungszucht in Österreich. Workshop „Tiergenetische Ressourcen“, 26.05.2010; 3000 Hotel Astoria, Bern, Schweiz

Berger, B., Fischerleitner, F., The Austrian National Cryo-Conservation Programme. Final Workshop EFABISnet Project, 01.12.2010; 90133 Palermo, Italien

Duchev Z.I., Gandini G., Berger B., Hulsegge I., Hiemstra S.J., Mäki-Tanila A., Gorjanc G., Dyrmondsson O., Oravcova M., Marguerat-König C., Viinalass H., Groeneveld E. 2010. *Towards Uniform Gene Bank Documentation in Europe – the Experience from the EFABISnet Project*. 9th World Congress on Genetics Applied to Livestock Production, Abstracts, Leipzig, Germany, August 1 to 6, S. 172

Conclusion: The EFABIS.net project resulted in an Austrian operational national database for AnGRFA available in German and English. Breeds records in the database have been reviewed and all available data have been updated (see table 1 and 2). As more breeds reach the national threshold of 100 breeding females in the herdbook they will be added to the database.



## Appendix 1 Tables

Table 1 Breed reports actualized per year of the EFABIS.net project

Breed	Species	2007	2008	2009	2010	Total
Altsteirer Huhn weiss	Chicken	0	0	3	0	3
Altsteirer Huhn wildfärbig	Chicken	0	0	3	0	3
Sulmtaler	Chicken	0	0	3	1	4
Altösterreichisches Warmblut	Horse	2	0	2	1	5
Haflinger	Horse	1	0	2	2	5
Huzule	Horse	0	0	0	2	2
Lipizzaner	Horse	2	0	2	2	6
Norisches Kaltblut	Horse	0	0	2	4	6
Österreichisches Warmblut	Horse	0	0	2	4	6
Pinkafeld(extinct)	Horse	1	0	2	1	4
Shagya-Araber	Horse	1	0	2	2	5
Vollblutaraber	Horse	1	0	2	2	5
Aberdeen Angus	Cattle	0	3	6	2	11
Charolais	Cattle	0	5	6	0	11
Ennstaler Bergscheck	Cattle	0	0	8	2	10
Fleckvieh	Cattle	2	3	6	0	11
Holstein-Friesian	Cattle	2	0	6	1	9
Jochberger Hummeln(extinct)	Cattle	1	1	4	4	10
Kärntner Blondvieh	Cattle	1	0	8	2	11
Lechtaler(extinct)	Cattle	0	4	4	0	8
Limousin	Cattle	0	5	4	2	11
Mölltaler(extinct)	Cattle	0	4	4	0	8
Murbodner	Cattle	0	4	4	2	10
Mürztal(extinct)	Cattle	1	0	4	2	7
Original Braunvieh	Cattle	1	0	7	3	11
Österreichisches Braunvieh	Cattle	1	0	8	2	11
Österreichisches Gelbvieh	Cattle	1	4	4	2	11
Oststeirisches Fleckvieh(extinct)	Cattle	1	0	4	2	7
Pinzgauer	Cattle	1	0	6	3	10
Pustertaler Sprinzen	Cattle	0	0	0	4	4
Steirisches Braunvieh(extinct)	Cattle	1	0	4	2	7
Tiroler Braunvieh(extinct)	Cattle	1	0	4	2	7
Tiroler Grauvieh	Cattle	1	0	8	2	11
Tux-Zillertaler	Cattle	1	0	8	2	11
Ungarisches Steppenrind	Cattle	2	0	4	2	8
Waldviertler Blondvieh	Cattle	1	0	8	2	11
Wipptaler(extinct)	Cattle	1	2	4	0	7
Zillertaler(extinct)	Cattle	2	2	4	0	8
Alpines Steinschaf	Sheep	0	4	4	0	8
Austrian Negretti(extinct)	Sheep	3	0	4	0	7
Bleiburger(extinct)	Sheep	0	4	4	0	8
Braunes Bergschaf	Sheep	4	2	4	0	10
Bschlabser(extinct)	Sheep	0	4	4	0	8
Coburger Fuchsschaf	Sheep	0	2	0	0	2
Dorper	Sheep	0	2	0	0	2
Gurktaler(extinct)	Sheep	0	4	4	0	8
Heidschnucke	Sheep	0	4	0	0	4

Ile de France	Sheep	0	2	0	0	2
Juraschaf	Sheep	0	2	0	0	2
Kanaltaler(extinct)	Sheep	0	4	4	0	8
Kärntner Brillenschaf	Sheep	1	4	4	1	10
Krainer Steinschaf	Sheep	7	2	4	0	13
Lacaune	Sheep	2	4	0	0	6
Merinolandschaf	Sheep	0	2	0	0	2
Montafoner Steinschaf	Sheep	2	0	4	0	6
Ostfriesisches Milchschaf	Sheep	3	4	4	0	11
Öztaler(extinct)	Sheep	0	4	4	0	8
Petzen(extinct)	Sheep	0	4	4	0	8
Schwarzkopfschaf	Sheep	0	4	0	0	4
Seeländer(extinct)	Sheep	0	4	4	0	8
Shropshire	Sheep	0	2	0	0	2
Steiner(extinct)	Sheep	0	4	4	0	8
Suffolk	Sheep	0	5	0	0	5
Texel	Sheep	0	2	0	0	2
Tiroler Bergschaf	Sheep	0	4	0	0	4
Tiroler Steinschaf	Sheep	3	4	4	0	11
Waldschaf	Sheep	4	4	4	0	12
Walliser Schwarznasenschaf	Sheep	0	0	0	2	2
Weißes Alpenschaf	Sheep	0	2	0	2	4
Zackelschaf	Sheep	5	0	4	2	11
Zillertal(extinct)	Sheep	0	4	4	0	8
Duroc	Pig	3	0	0	0	3
Edelschwein	Pig	3	0	2	1	6
Landrasse	Pig	4	0	2	0	6
Mangalitza	Pig	4	0	2	0	6
Pietrain	Pig	2	0	2	1	5
Schwäbisch-Hällisches Schwein	Pig	0	3	0	0	3
Turopolje	Pig	4	0	2	0	6
Weißer Belgier(extinct)	Pig	2	0	2	2	6
Blobe Ziege	Goat	0	0	2	0	2
Bunte Edelziege	Goat	0	2	0	0	2
Gemsfarbige Gebirgsziege	Goat	4	0	4	3	11
Pfauenziege	Goat	0	0	2	0	2
Pinzgauer Strahlenziege	Goat	0	0	2	0	2
Pinzgauer Ziege	Goat	4	2	4	0	10
Saanenziege	Goat	2	7	4	0	13
South African Boer Goat	Goat	1	7	4	0	12
Steirische Scheckenziege	Goat	0	0	3	0	3
Tauernschecken	Goat	3	0	4	2	9
Toggenburger Ziege	Goat	2	5	4	0	11
Walliser Schwarzhalsziege	Goat	0	2	0	0	2
Weißer Edelziege(extinct)	Goat	0	2	0	4	6

Table 2 Population records in the EFABIS database per year of the EFABIS.net project

Breed	Species	2007	2008	2009	2010
Altsteirer Huhn weiss	Chicken	✓	✓	✓	
Altsteirer Huhn wildfärbig	Chicken	✓	✓	✓	
Sulmtaler	Chicken	✓	✓	✓	
Altösterreichisches Warmblut	Horse	✓	✓	✓	
Haflinger	Horse	✓	✓	m	
Huzule	Horse	✓	✓	✓	
Lipizzaner	Horse	m	m	m	
Norisches Kaltblut	Horse	✓	✓	✓	
Österreichisches Warmblut	Horse	✓	✓	m	
Shagya-Araber	Horse	m	m	m	
Vollblutaraber	Horse	✓	✓	m	
Aberdeen Angus	Cattle	✓	✓	✓	
Charolais	Cattle	✓	✓	✓	
Ennstaler Bergscheck	Cattle	✓	✓	✓	
Fleckvieh	Cattle	✓	✓	✓	
Holstein-Friesian	Cattle	✓	✓	✓	
Kärntner Blondvieh	Cattle	✓	✓	✓	
Limousin	Cattle	✓	✓	✓	
Murbodner	Cattle	✓	✓	✓	
Original Braunvieh	Cattle	✓	✓	✓	
Österreichisches Braunvieh	Cattle	✓	✓	✓	
Österreichisches Gelbvieh	Cattle	✓	✓	✓	
Pinzgauer	Cattle	✓	✓	✓	
Pustertaler Sprinzen	Cattle	✓	✓	✓	
Tiroler Grauvieh	Cattle	✓	✓	✓	
Tux-Zillertaler	Cattle	✓	✓	✓	
Ungarisches Steppenrind	Cattle	*	*	*	
Waldviertler Blondvieh	Cattle	✓	✓	✓	
Alpines Steinschaf	Sheep	✓	✓	✓	
Braunes Bergschaf	Sheep	✓	✓	✓	
Coburger Fuchsschaf	Sheep	✓	✓	✓	
Dorper	Sheep	✓	✓	✓	
Heidschnucke	Sheep	✓	✓	✓	
Ile de France	Sheep	✓	✓	✓	
Juraschaf	Sheep	✓	✓	✓	
Kärntner Brillenschaf	Sheep	✓	✓	✓	
Krainer Steinschaf	Sheep	✓	✓	✓	
Lacaune	Sheep	✓	✓	✓	
Merinolandschaf	Sheep	✓	✓	✓	
Montafoner Steinschaf	Sheep	✓	✓	✓	
Ostfriesisches Milchschaft	Sheep	✓	✓	✓	
Schwarzkopfschaf	Sheep	✓	✓	✓	
Shropshire	Sheep	✓	✓	✓	
Suffolk	Sheep	✓	✓	✓	
Texel	Sheep	✓	✓	✓	
Tiroler Bergschaf	Sheep	✓	✓	✓	
Tiroler Steinschaf	Sheep	✓	✓	✓	



Waldschaf	Sheep	✓	✓	✓	
Walliser Schwarznasenschaf	Sheep	✓	✓	✓	
Weißes Alpenschaf	Sheep	✓	✓	✓	
Zackelschaf	Sheep	✓	✓	✓	
Duroc	Pig	✓	✓	✓	
Edelschwein	Pig	✓	✓	✓	
Landrasse	Pig	✓	✓	✓	
Magaliza	Pig	✓	✓	✓	
Pietrain	Pig	✓	✓	✓	
Schwäbisch-Hällisches Schwein	Pig	✓	✓	✓	
Turopolje	Pig	✓	✓	✓	
Blobe Ziege	Goat	✓	✓	✓	
Bunte Edelziege	Goat	✓	✓	✓	
Gämsfärbige Gebirgsziege	Goat	✓	✓	✓	
Pfauenziege	Goat	✓	✓	✓	
Pinzgauer Strahlenziege	Goat	✓	✓	✓	
Pinzgauer Ziege	Goat	✓	✓	✓	
Saänenziege	Goat	✓	✓	✓	
South African Boer Goat	Goat	✓	✓	✓	
Steirische Scheckenziege	Goat	✓	✓	✓	
Tauernschecken	Goat	✓	✓	✓	
Toggenburger Ziege	Goat	✓	✓	✓	
Walliser Schwarzhalsziege	Goat	✓	✓	✓	

\* = no herdbook in Austria

m = missing record