



Food and Agriculture
Organization of the
United Nations

COMMISSION ON
GENETIC RESOURCES
FOR FOOD AND
AGRICULTURE

A stylized illustration of a rural landscape with rolling hills. It features a brown water buffalo, a green acacia tree, a white ostrich, a grey shepherd with a staff, a blue bird in flight, and a white hen with two chicks.

FAO report to ERFP working groups EX-situ conservation and Information & Documentation

June 2022

A stylized illustration of a rural landscape with rolling hills. It features an orange goat, a blue camel, a grey turkey, a brown yak, a purple duck, a yellow pig, and a grey water buffalo.

Roswitha Baumung, Gregoire Leroy & Paul Boettcher



Overview

First Session of the COAG Sub-Committee on Livestock

The 12th Session of the ITWG on Animal Genetic Resources for Food and Agriculture

Guidelines and Webinars on Cryoconservation

DAD-IS/EFABIS - new developments

Call for action



First Session of the COAG Sub-Committee on Livestock

- 16-18 March 2022
- Discussed substantive items related to sustainable livestock for food security, nutrition, and poverty reduction
- Report available at: <https://www.fao.org/coag/sub-committee-on-livestock/first-session/report-delegates/en/>





12th Session of the ITWG on Animal Genetic Resources for Food and Agriculture

- Will be held 14-16 December 2022
- Hybrid or in person meeting
- Main topics:
 - Status of Implementation of the GPA-AnGR
 - Monitoring the diversity of AnGR
 - Preparation of The Third Report on the State of the World's Animal Genetic Resources for Food and Agriculture





Guidelines on Innovations in Cryoconservation

- FAO thanks the many European scientists that contributed to preparation of new FAO guidelines on *Innovations in cryoconservation of animal genetic resources*
- Guidelines were reviewed by the ITWG-AnGR and CGRFA
- Currently in the “layout” phase
- Will be published in PDF and e-book formats (no plans for hard copies)
 - Within July 2022
- Genomics characterization guidelines are in the “pre-layout” phase



Webinars on Cryoconservation

- CGRFA requested FAO to use the guidelines in capacity building
- Series of webinars on the guidelines is being held.
 - One per chapter (plus some French and Spanish versions)
 - May to October
- Invitations are sent to all NC and distributed on DAD-Net
- Recordings are available on <https://www.fao.org/animal-genetics/events/intergovernmental-technical-working-group-on-anagr/webinars/en/> and the NordGen webpage <https://www.nordgen.org/en/cryo-conservation-webinars/>



DAD-IS/EFABIS - new developments

- DAD-IS is available at <http://www.fao.org/dad-is/>



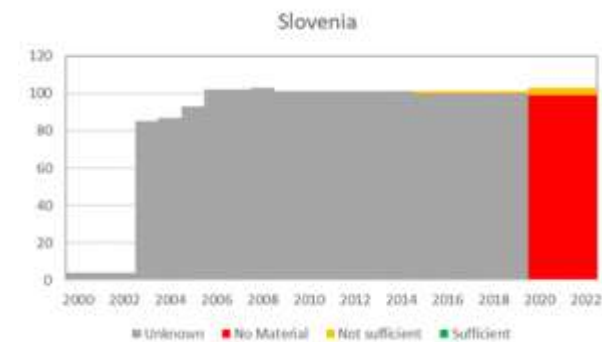


DAD-IS/EFABIS - new developments

- Development activities include:
 - Automatic translation of content from and to Russian implemented – translation tool will be trained to improve quality of translations, consultant hired; many thanks for support to Zhivko & Natalia
 - Broadening scope of SDG-indicator 2.5.1b to include transboundary breeds – justification document developed with the help of NCs (including from ERFP) , currently under review by the Inter-agency Expert Group on SDG Indicators/UNSD – implications for DAD-IS development



SDG indicator 2.5.1b - local



SDG indicator 2.5.1b – transb.



DAD-IS/EFABIS - new developments

• Uses & Ecosystem services

- Improved data entry:
 - Structured according to categories
 - Selection via check-box
 - Text fields for further info on context

Provision:			
<input type="checkbox"/> Carting	<input type="checkbox"/> Dam line	<input type="checkbox"/> Down	<input type="checkbox"/> Drought power
<input type="checkbox"/> Eggs	<input type="checkbox"/> Fatty liver	<input type="checkbox"/> Feathers	<input type="checkbox"/> Feathers for fishing
<input type="checkbox"/> Fuel (manure)	<input type="checkbox"/> General crossbreeding	<input type="checkbox"/> Guard	<input type="checkbox"/> Hair
<input type="checkbox"/> Herding	<input type="checkbox"/> Horn	<input type="checkbox"/> Hunting	<input type="checkbox"/> Interspecies crossing
<input type="checkbox"/> Land	<input type="checkbox"/> Meat	<input type="checkbox"/> Medical	<input type="checkbox"/> Milk
<input type="checkbox"/> Pack/baggage	<input type="checkbox"/> Pelt/fur	<input type="checkbox"/> Production of offspring for slaughter as young animals	<input type="checkbox"/> Riding (work)
<input type="checkbox"/> Sire line	<input type="checkbox"/> Skin/skins	<input type="checkbox"/> Transport	<input type="checkbox"/> Saving security
<input type="checkbox"/> Wool	<input type="checkbox"/> Wool for fishing lures		<input type="checkbox"/> Velvet
Regulation and maintenance:			
<input type="checkbox"/> Fertilizer	<input type="checkbox"/> Fire protection	<input type="checkbox"/> Habitat provision and biodiversity	<input type="checkbox"/> Land degradation and erosion prevention
<input type="checkbox"/> Pollination and seed dispersal	<input type="checkbox"/> Regulation and control of animal/human diseases	<input type="checkbox"/> Vegetation management	<input type="checkbox"/> Waste recycling of non-human edible feed
<input type="checkbox"/> Water quality and flows regulation/purification	<input type="checkbox"/> Weed control and biomass residue management		
Cultural:			
<input type="checkbox"/> Dressage	<input type="checkbox"/> Fancy	<input type="checkbox"/> Fighting	<input type="checkbox"/> Hobby
<input type="checkbox"/> Racing	<input type="checkbox"/> Religious ceremonies	<input type="checkbox"/> Research	<input type="checkbox"/> Riding (by children)
<input type="checkbox"/> Riding (sports)	<input type="checkbox"/> Spanish horseshool	<input type="checkbox"/> Sport	<input type="checkbox"/> To handle fighting bulls
<input type="checkbox"/> Tourist attraction / touristic potential			



DAD-IS/EFABIS - new developments

- **Uses & Ecosystem services (and adaptedness class)**
 - Assistance to National Coordinators to update these new fields:
 - E-mail sent to all NCs on 23.05.2022
 - FAO offers a simple Excel sheet with a list of country-specific breeds to be filled by NCs
 - Upon written agreement to do so, FAO will update your national data in DAD-IS accordingly.



DAD-IS/EFABIS - new developments

- **Improved data export:**
 - Choose metadata of interest for your own analyses

The screenshot displays the 'Data export' interface with two main steps:

Step 1: Choose type of data

On the right, there is a dropdown menu labeled 'Type of data' with 'Metadata' selected.

Step 2: Choose country and/or species

Below the step numbers, there are two dropdown menus: 'Country' with 'All countries' selected, and 'Species' with 'All species' selected.

Metadata Categories:

A section titled 'Please choose the desired metadata categories' contains a list of categories with checkboxes:

- ☒ General
- ☐ Characteristics
- ☐ Uses and ecosystem services
- ☐ Breed Classification
- ☐ Performances
- ☐ Risk status



DAD-IS/EFABIS - new developments

- **Organizations**

- Data entry improved:
 - More types of organizations
 - Multiple selection for functions

- Under “more data tools”

new tool to search for organizations by

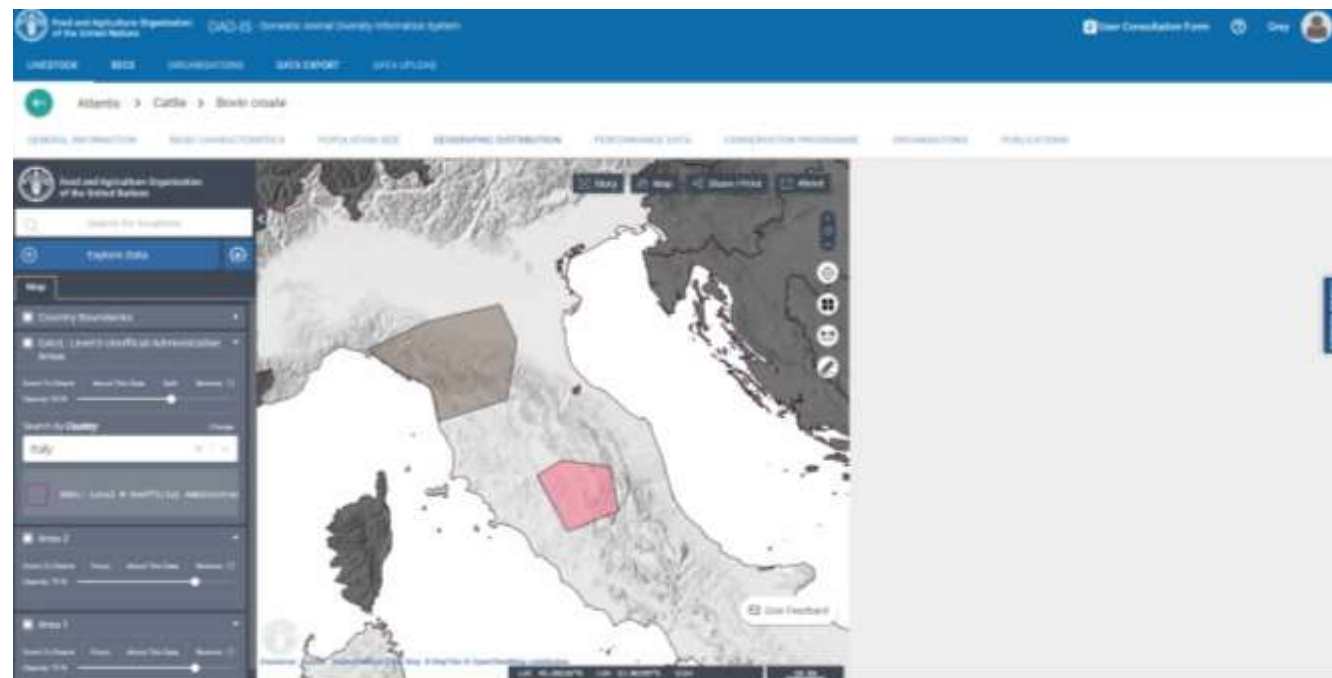
- Species or country

The screenshot shows the 'Domestic Animal Diversity Information System (DAD-IS)' interface. At the top, there is a navigation bar with tabs: Home, Data, In Focus, Publications, National Coordinators, and Regional/National Nodes. Below this, the 'Organizations' section is displayed. It features two dropdown menus: 'Country' with the placeholder text 'Choose a country' and 'Species' with the placeholder text 'Choose a species'. Below these are two input fields: 'Breed' and 'Transboundary'. A green 'SEARCH' button is positioned below the 'Breed' field. At the bottom of the interface, a yellow callout box contains the text: 'To find an organization you can filter on country and/or species and specify further by selecting a breed name or a transboundary breed name.'



DAD-IS/EFABIS - new developments

- **Geographic distribution**
 - Under development
 - Based on the PEDs idea
 - Basis for several early warning tools



<https://dadis-training.web.app/>



DAD-IS/EFABIS - new developments

• **USERS' SATISFACTION SURVEY**

- Under DAD-IS data page
- Mandatory, but only to be taken once
- About 7 minutes of your time
- You will be redirected to the database immediately upon completion
- Strictly confidential
- The survey will be removed on [30-06-2022].

The Domestic Animal Diversity Information System (DAD-IS) User Consultation Form

Thank you for accessing the Domestic Animal Diversity Information System (DAD-IS) database. We are constantly trying to improve our services; thus, we require your feedback to ensure that the DAD-IS database is adequate to meet your needs.

We would greatly appreciate about 7 minutes of your time to fill out the following survey, which will be helpful to improve the DAD-IS database. You will be redirected to the database immediately upon completion of the survey.

Kindly note that the information collected in this form is strictly confidential, and will not be shared with anyone for any purpose. The survey will be removed on [30-06-2022].

IMPORTANT: Please note that there is no cookie activated for this site, thus if you have already completed the survey, you will be re-directed to the data landing page, after you complete the filter question below.



Call for action

- Please contact us if text, pictures, key facts or links need to be updated under the **EFABIS landing page**
- Please contact us if text, pictures, links or contacts need to be updated under the **national EFABIS landing pages** of Greece, Ireland, Poland, Slovenia or UK
- Please fill-in the Excel sheets on **uses & ecosystem services**
- Please be help us to test the **prototype for breed distribution**
- **Please update your data**





THANK YOU!!!!

