



Food and Agriculture Organization  
of the United Nations

# Domestic Animal Diversity Information System (DAD-IS)

## User manual



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# **DAD-IS USER MANUAL**

## **I. INTRODUCTION**

### **1.1 What is DAD-IS?**

The Domestic Animal Diversity Information System (DAD-IS) is the global clearing-house mechanism for animal genetic resources for food and agriculture (AnGR) that was developed and is maintained by the Food and Agriculture Organization of the United Nations (FAO). The 4th and most recent version of DAD-IS was launched in November 2017.

DAD-IS is a dynamic communication and information tool that aims to assist decision makers, researchers, educators and trainers to analyze trends and take informed decisions in relation to the management of animal genetic resources.

More specifically, DAD-IS provides users with:

- searchable databases on the diversity and risk status of livestock breeds at national, regional and global levels.
- tools to monitor indicators 2.5.1 and 2.5.2 of the Sustainable Development Goals (SDGs) and measure progress towards SDG target 2.5.
- news on developments related to animal genetic resources.
- publications, including guidelines and development tools.
- photographs of livestock breeds and links to other livestock diversity related online resources.
- contact details of National Coordinators for the management of animal genetic resources.

To support DAD-IS, FAO established The Domestic Animal Diversity Network (DAD-Net) in 2005. DAD-Net is an e-mail-based network that provides an informal forum for the discussion of issues relevant to the management of animal genetic resources.

### **1.2 Why this manual?**

This manual provides an overview of what DAD-IS has to offer and provides step-by-step guidance on how to use the system's manifold tools.

The manual is intended for three groups of users: National Coordinators for the Management of Animal Genetic Resources (National Coordinators); researchers, educators and trainers; and general users.

## **II. WHAT ARE THE BENEFITS OF USING DAD-IS?**

### **2.1 General benefits of using DAD-IS**

- Learn about the world's livestock breeds.
- DAD-IS provides its users the opportunity to access information from over 180 countries on more than 15 000 national breed populations, representing more than 8 800 breeds and about 40 avian and mammalian livestock species. Information is stored on a wide range of breed characteristics and performance, and on population size, structure and trends. Photographs of breeds are also provided.
- DAD-IS contains regional and national portals, such as the European Farm Animal Biodiversity Information System (EFABIS), that also provides interesting tools.
- Share and exchange up-to-date information on AnGR

DAD-IS is a global clearing-house mechanism that allows countries to share and exchange livestock breed related information, including photographs. Users wishing to share such information on DAD-IS can do so through their country's National Coordinator, who is responsible for validating and inserting the AnGR data into the system.

## 2.2 Benefits for National Coordinators

In most countries, governments have nominated National Coordinators to coordinate activities concerning the management of animal genetic resources. These activities include the development, implementation and monitoring of national strategies and action plans for AnGR; cooperation with global and regional AnGR networks; and the collection, validation and sharing of AnGR data. **The National Coordinator is responsible for entering and updating the data in DAD-IS.**

DAD-IS provides several features that can assist them in this work:

- Management of national animal genetic resources information

DAD-IS provides National Coordinators a secure means to enter, update and access country-level breed data in a structured format, and with this, to monitor national breed populations and make informed decisions on the management of animal genetic resources. The data contained in DAD-IS facilitate the development of national AnGR strategies and action plans and enable countries to comply with international reporting obligations under, *inter alia*, FAO's Commission on Genetic Resources for Food and Agriculture, the Convention on Biological Diversity and the 2030 Agenda for Sustainable Development.

- Make national AnGR information available to users throughout the world

National Coordinators can share and exchange livestock breed related information, including photographs, via DAD-IS. The information they make available is easily accessible to anyone interested.

- Strengthen AnGR monitoring at national, regional and global levels

DAD-IS is a global information system that treats countries as the smallest unit and supports aggregation at regional and worldwide levels. By ensuring that their country's data in DAD-IS is as complete as possible and is kept up to date, National Coordinators ensure the effective operation of the AnGR monitoring systems at national, regional and global levels.

## 2.3 Benefits for researchers, educators and trainers

- Access and use of information on the world's livestock breeds

DAD-IS contains a broad range of data that can easily be exported as CSV files<sup>1</sup> for further analyses and teaching purposes.

- Consult AnGR guidelines for research/training purposes

DAD-IS offers a broad range of guidelines providing a wealth of information and tools in support of sustainable AnGR management, including guidelines providing advice on the development of conservation programmes and guidelines to facilitate sustainable value chain development.

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<sup>1</sup> CSV, which stands for "comma-separated values", is a simple file format used to store tabular data, such as a spreadsheet or database. CSV formatted files can be imported to and exported from programs that store data in tables, such as Microsoft Excel.

### III. HOW TO USE DAD-IS

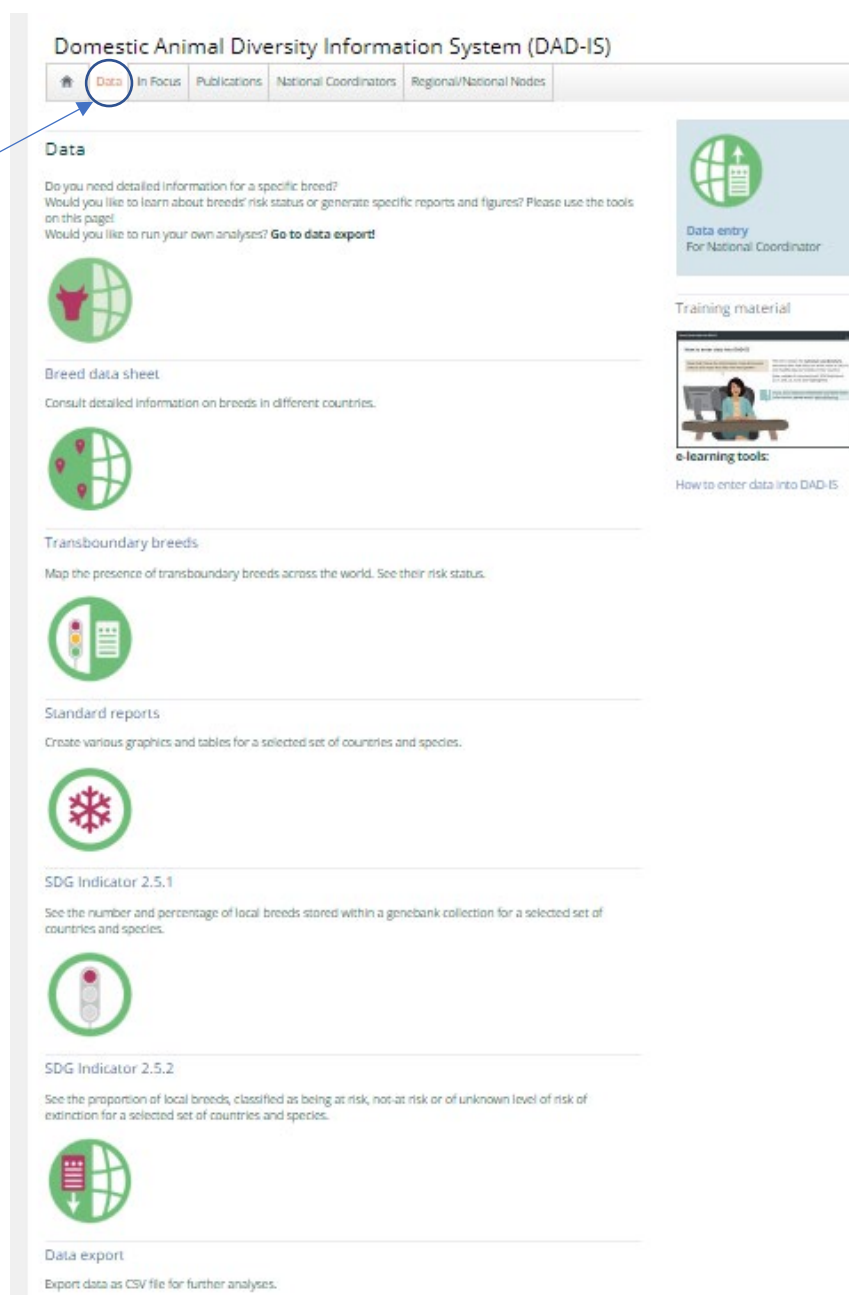
#### 3.1 Accessing DAD-IS

- DAD-IS can be found at: <http://www.fao.org/dad-is/en> .
- Note that there may be slight differences in the appearance of the DAD-IS Web site depending on the browser you use. Modern browsers such as Google Chrome, Mozilla Firefox, Opera and Microsoft Edge render the DAD-IS website well, whilst Internet Explorer does not.

#### 3.2 Using searchable databases and extracting data from DAD-IS

DAD-IS contains a broad range of tools allowing its users to search, extract and analyze data on the diversity of livestock breeds on national, regional and global levels. These tools are available under the website's 'Data' tab at: <http://www.fao.org/dad-is/data/en/> .

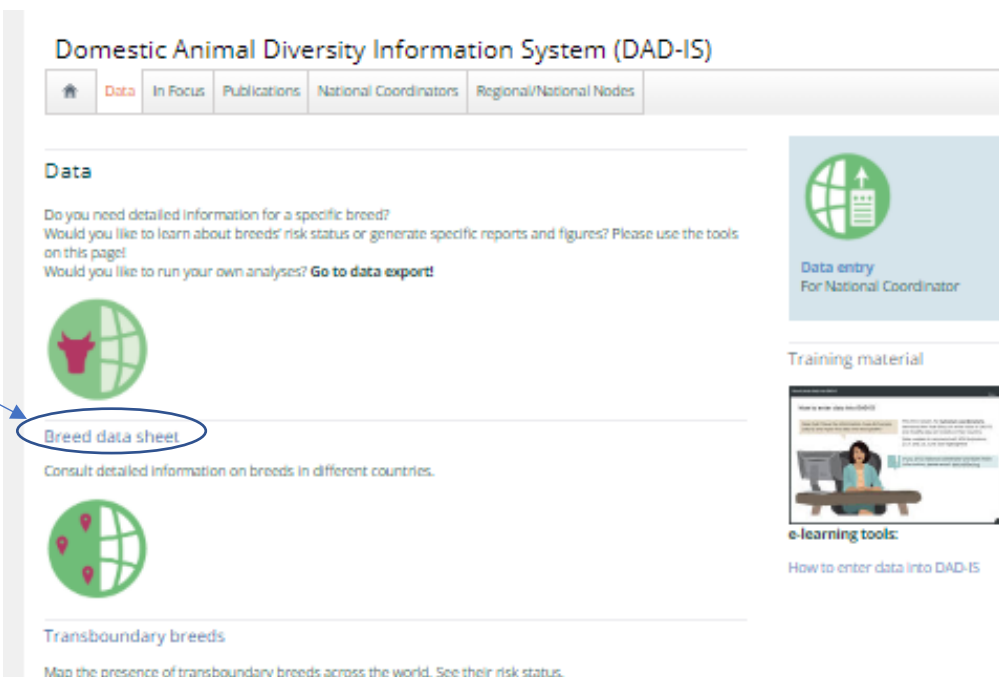
To display the overview of tools for data entry, export and visualization, click here



Are you looking for detailed information on livestock species and breeds in a specific country ?

Step 1:

Click here



**Domestic Animal Diversity Information System (DAD-IS)**

[Data](#) [In Focus](#) [Publications](#) [National Coordinators](#) [Regional/National Nodes](#)

**Data**

Do you need detailed information for a specific breed?  
Would you like to learn about breeds' risk status or generate specific reports and figures? Please use the tools on this page!  
Would you like to run your own analyses? [Go to data export!](#)

[Breed data sheet](#)

Consult detailed information on breeds in different countries.

[Transboundary breeds](#)

Map the presence of transboundary breeds across the world. See their risk status.

[Data entry For National Coordinator](#)

[Training material](#)

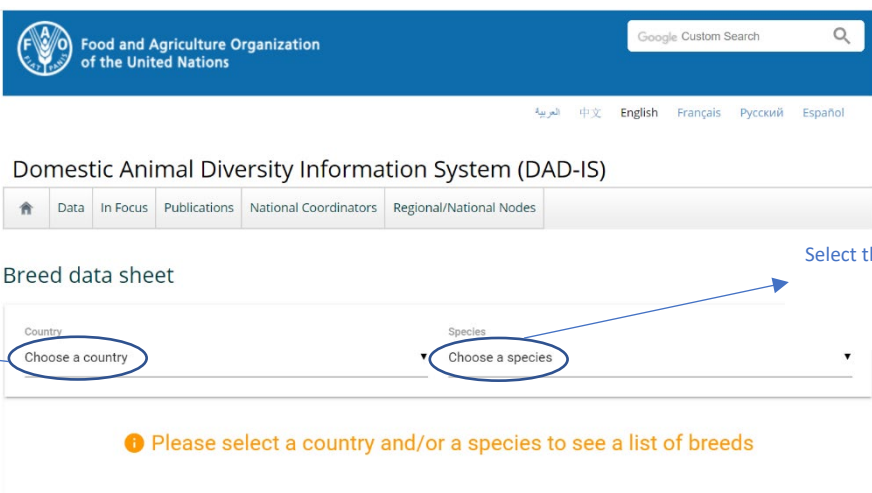
[e-learning tools](#)

[How to enter data into DAD-IS](#)

Step 2:

Select a country from the drop-down box

Select the species you require



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**Domestic Animal Diversity Information System (DAD-IS)**

[Data](#) [In Focus](#) [Publications](#) [National Coordinators](#) [Regional/National Nodes](#)

**Breed data sheet**

Country: [Choose a country](#)

Species: [Choose a species](#)

**Please select a country and/or a species to see a list of breeds**

Step 3:

Domestic Animal Diversity Information System (DAD-IS)

Breed data sheet

Country

Species

Bolivia

Llama

Bolivia, Llama

Q'ara

Tampulli

Select the breed you are interested in from the drop-down box

Step 4:


The breed data sheet that will appear on your screen will provide you with:

1. General information on the breed, including its risk status, when known

2. Photographs, when available

3. Detailed information on the breed can be found using the drop-down list.

This includes information on the breed's phenotypic characteristics and performance traits; population size, structure and trends; and management.



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Domestic Animal Diversity Information System (DAD-IS)

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Breed data sheet

Country

Bolivia

Species

Llama

Q'ara / Bolivia (Llama)

Most common name

Q'ara

Language

-

Transboundary breed name

Kara

Geographical classification

Regional

Breed Classification (adaptedness)

-


Risk level

Local Breed Risk Level

Not at Risk

Transboundary Breed Risk Level


Not at Risk



Caption:  
Q'ara llamas.

Year:  
2003

Country:



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Breed data sheet

Local names

Uses

Origin and development

Additional Information

Qualities information

Morphology information

Colours

Performance information

Fibre information

Prolificacy

Management conditions

Population data

Conservation programme

Organisations

Publications



## Would you like to map the occurrence of transboundary breeds across the world ?

### Step 1:

Click here

### Step 2: Fill in your search criteria

### Transboundary breeds

1. Select one or multiple regions from the drop-down box
2. Select one or multiple countries in the regions of your choice
3. Select the livestock species you are interested in
4. A drop-down list displays the transboundary breeds of the species of interest in the selected countries
5. The bar with increasing shades of blue reflects the number of transboundary breed populations of the species of interest in the countries selected

### Step 3:

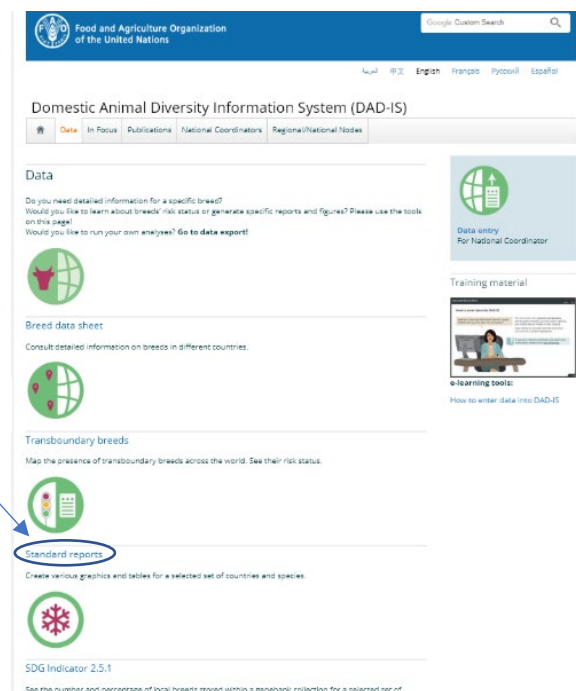
- To export and visualize the data you searched for in different formats, click on the 'download' icon
- Tableau Workbook\* can be used to visualize data in the form of interactive graphs, maps and tables

\* Specific instructions on how to use Tableau can be found on page 21 of this manual in the section 'Using Tableau public software for data visualization'.

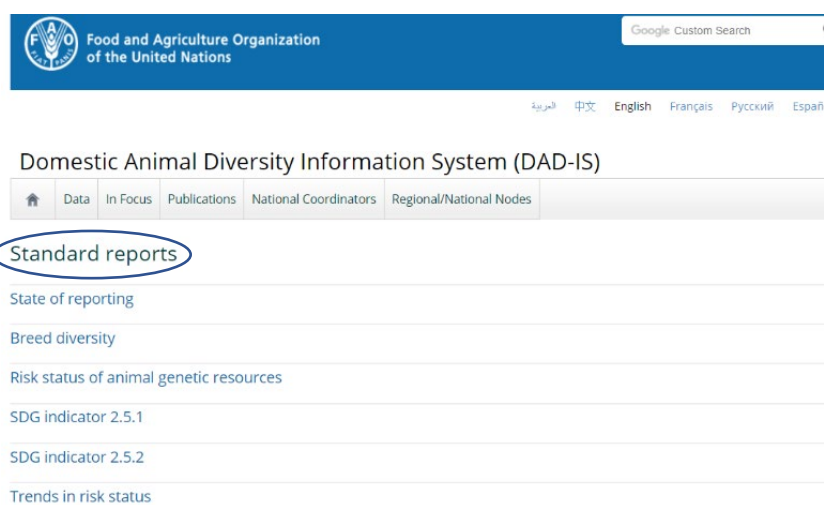
## Would you like to create various graphics and tables for a selected set of countries and species?

**Step 1:** On the 'Data' landing page, click on 'Standard reports'

Click here



**Step 2:** In the 'standard reports' drop-down list select the type of data you would like to extract and visualize




### Option 1: State of Reporting




Find, extract and visualize data on the proportion of up to date breed population across the globe


**Step 1:** Move your mouse cursor over the map to visualize the proportion of up to date breed population by country


**Step 2:** For more advanced options, place your cursor anywhere on the map to access the map's view toolbar. The toolbar proposes several ways to locate information:

 This search button allows the user to type in a name of a city/country/region. The map will automatically re-centre on that area.

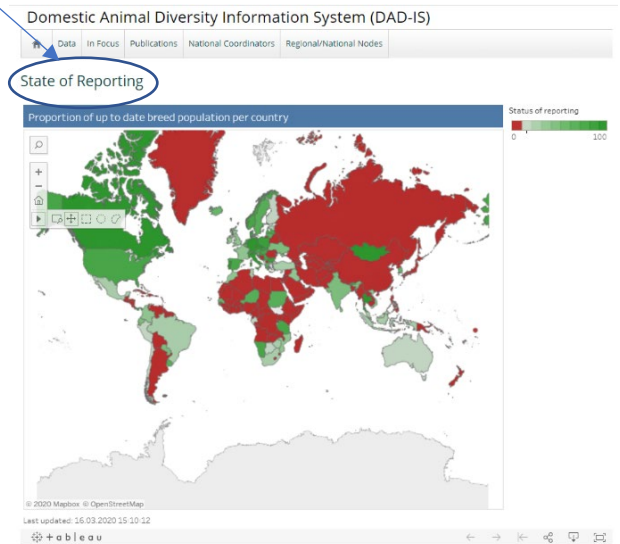
#### Zooming:

 The map zooms in when double-clicked  
 To zoom-out, press 'shift + double-click'  
 This icon allows you to zoom in on a target area

 Reset the map to its default view

 Use this icon to single-out a country (or several countries using the 'Ctrl' key) and visualize data in tabular form

 You can also use the rectangular, radial and lasso tools to draw a selection area on the map



### View Data

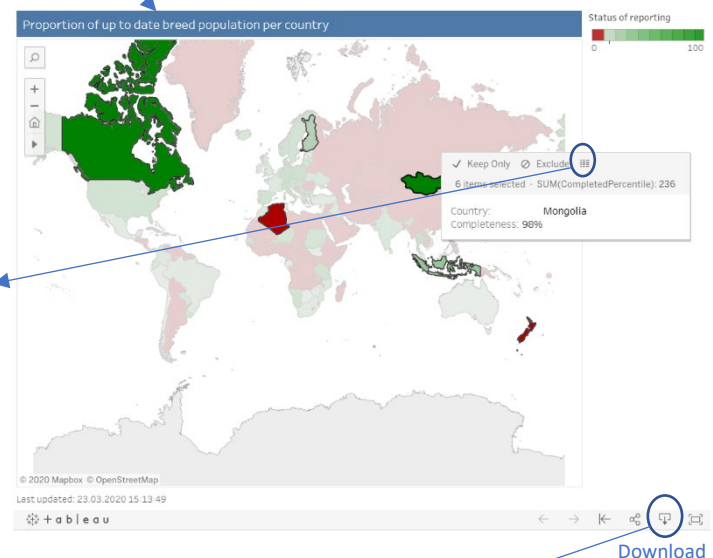
Summary | Full data

Showing first 6 rows.  
[Download all rows as a text file](#)  
☐ Show all columns

			Full Data				
Countries	COUNTRIES (Foglia1+)	COUNTRIES(group)	Completed	CompletedPercentile	Noinfo	Notcompleted	Total
Algeria	Algeria	Algeria	0	0,0000	21	19	40
Indonesia	Indonesia	Indonesia	51	22,6667	91	83	225
Mongolia	Mongolia	Mongolia	59	98,3333	0	1	60
Finland	Finland	Finland	13	16,0494	10	58	81
Canada	Canada	Canada	218	99,0909	2	0	220
New Zealand	New Zealand	New Zealand	0	0,0000	20	16	36

Showing first 6 rows.  
[Download all rows as a text file](#)

These data can be downloaded in Excel format for ease of analysis



**Step 3:** To export and visualize the data you searched for in different formats, click on the 'download' icon

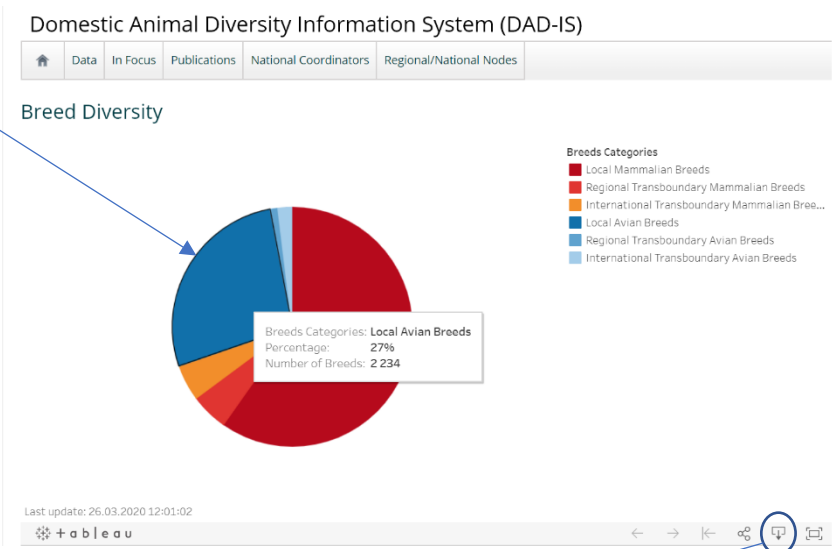
Example of interactive map created with Tableau software



**Option 2: Breed diversity**

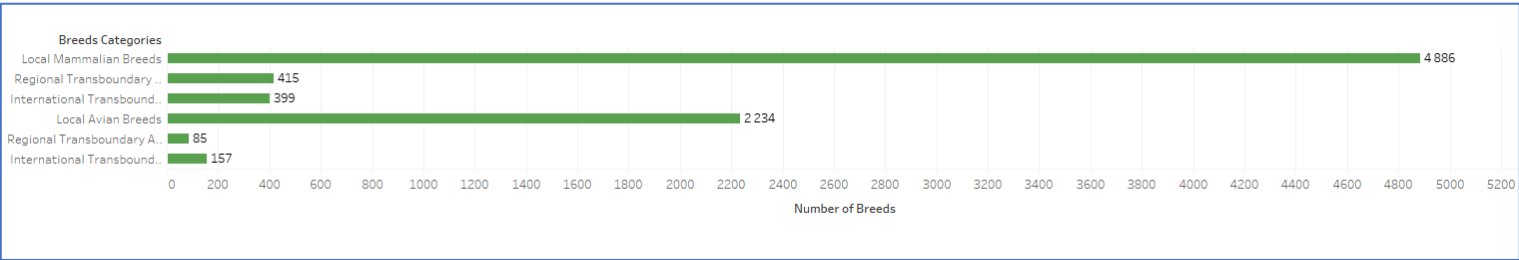
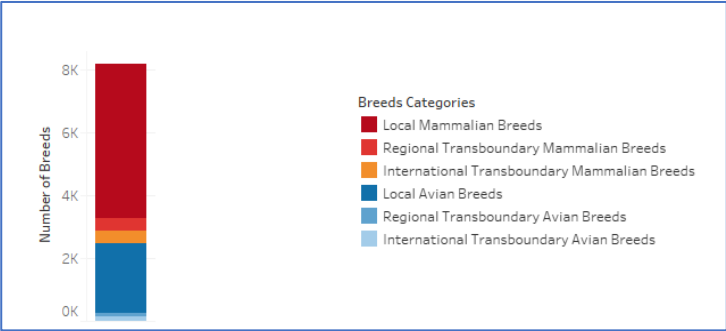
Find information on the number of breeds by breed category

**Step 1:** Move your mouse cursor over the pie to visualize the proportion of breed diversity and the number of breeds by breed category



**Step 2:** To export and visualize the data you searched for in different formats, click on the 'download' icon

Examples of interactive graphs created with Tableau software



### Option 3: Risk status of animal genetic resources

Find out the risk status of local and transboundary livestock breeds by region (1) or species (2)

#### (1) Risk status of local livestock breeds by region

##### Domestic Animal Diversity Information System (DAD-IS)



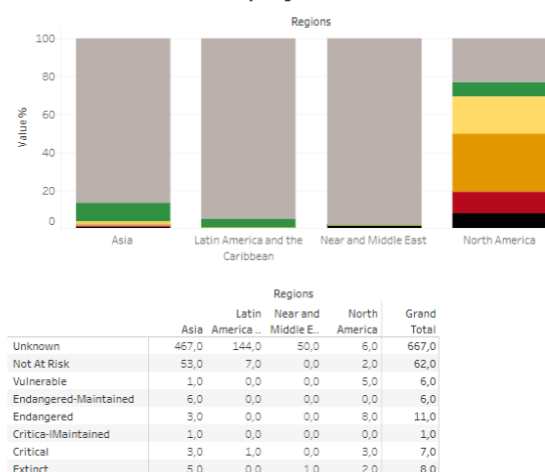
##### Risk Status of Animal Genetic Resources

**Step 1:** Click here



**Step 2:** Enter your selection criteria

##### Risk Status of Local Breeds by Region



Regions  
(Multiple values)

Country  
(All)

Avian/Mammalian  
Avian

Species  
(All)

Risk Status

- ☐ Unknown
- ☐ Not At Risk
- ☐ Vulnerable
- ☐ Endangered-Maintained
- ☐ Endangered
- ☐ Critical-Maintained
- ☐ Critical
- ☐ Extinct

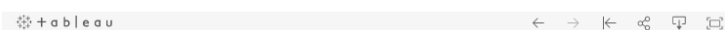
Select region(s) and or country(ies) from the drop-down boxes

Select whether you are interested in avian and or mammalian species

Select the species of interest from the drop-down list

- ☐ (All)
- ☐ Alpaca
- ☐ American Bison
- ☐ Ass
- ☐ Bactrian camel
- ☐ Buffalo
- ☒ Cassowary
- ☐ Cattle
- ☒ Chicken
- ☐ Deer
- ☐ Dog
- ☐ Dromedary
- ☐ Dromedary Bactrian Camel
- ☐ Duck (domestic)
- ☐ Duck(domestic) Muscovy duck
- ☒ Emu
- ☐ Goat
- ☐ Goose (domestic)
- ☐ Guanaco
- ☒ Guinea fowl
- ☐ Guinea pig
- ☐ Horse
- ☐ Llama
- ☐ Muscovy duck

The results of your search are displayed in graphical and tabular form



#### (2) Risk status of local livestock breeds by species

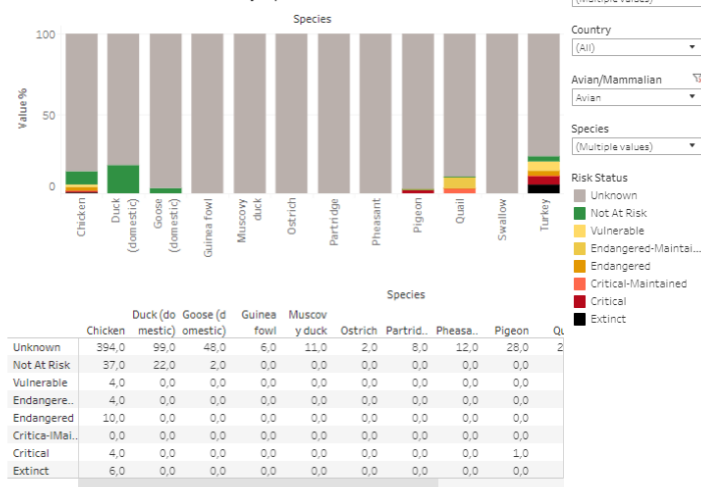
##### Risk Status of Animal Genetic Resources

**Step 1:** Click here



**Step 2:** Enter your selection criteria (see above)

##### Risk Status of Local Breeds by Species



Regions  
(Multiple values)

Country  
(All)

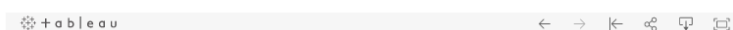
Avian/Mammalian  
Avian

Species  
(Multiple values)

Risk Status

- ☐ Unknown
- ☐ Not At Risk
- ☐ Vulnerable
- ☐ Endangered-Maintained
- ☐ Endangered
- ☐ Critical-Maintained
- ☐ Critical
- ☐ Extinct

The results of your search are displayed in graphical and tabular form



**Note:** The screenshots explaining how to locate information on the risk status of local livestock breeds by region or species can also be used for the tool that was developed to identify the risk status of transboundary breeds.

#### Option 4: SDG Indicator 2.5.1

See the number and percentage of local breeds stored within a genebank collection for a selected set of countries and species

##### Domestic Animal Diversity Information System (DAD-IS)

Home Data In Focus Publications National Coordinators Regional/National Nodes

SDG 2.5.1

**Step 1:** Enter your selection criteria

**SDG 2.5.1**  
Number / Proportion of animal genetic resources for food and agriculture secured in either medium or long term conservation facilities

Regions  
Europe and the Caucasus

Countries  
France

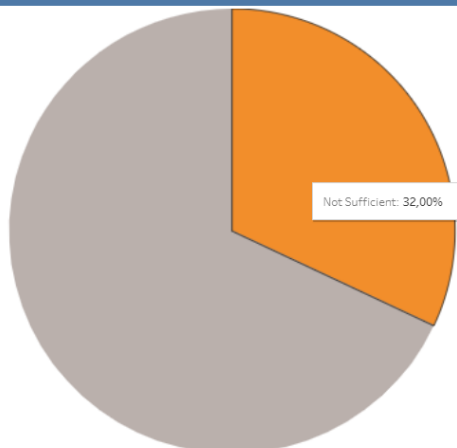
Species  
Cattle

Amount of cryopreserved material

- Sufficient
- Not Sufficient
- No Material
- No Information

Select a region(s) and or country(ies) from the drop-down boxes

Select the species of interest from the drop-down list



For example: France conserves material *ex situ* for 32% of its local cattle breeds. This amount of cryopreserved material is considered insufficient for the recreation of those local cattle breeds in case of their extinction.

Last update: 13/02/2019 08:40:45

The result of your search is displayed in a pie chart

+ a b l e a u

← → |← |→ |↺ |↻ |↷

Download

**Step 2:** To export and visualize the data you searched for in different formats, click on the 'download' icon

#### Example of table created in Tableau Workbook

View Data: SDG 2.5.1											
1 row											
<input checked="" type="checkbox"/> Show aliases <input type="checkbox"/> Show all fields											
Countries	Regions	Species	No Info	No Material	No Sufficient	percNoInfo	percNoMaterial	percNotSufficient	percSufficient	Sufficient	TotalBreeds
France	Europe and the Caucasus	Cattle	17	0	8	68,0000	0,00	32,0000	0,00	0	25

**Interpretation table:** France conserves material *ex situ* for 8 (32%) of its total of 25 local cattle breeds. The amount of this material is considered insufficient for the recreation of the country's local cattle breeds in case of their extinction.

### Option 5: SDG Indicator 2.5.2

See the proportion of local breeds, classified as being at risk, not-at risk or of unknown level of risk of extinction for a selected set of species and countries

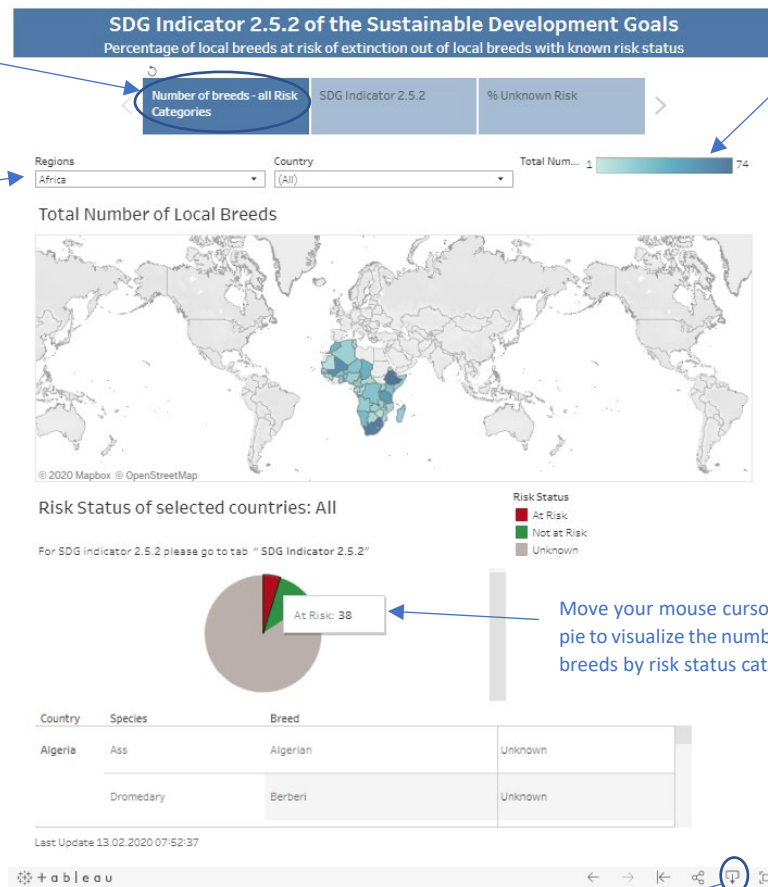
#### (1) Number of local breeds – all Risk Categories

**Step 1:** Click here to start your search

**Step 2:** Select a region(s) and or country(ies) from the drop-down boxes

The pie chart bar displays the risk status of local breeds in the selected countries

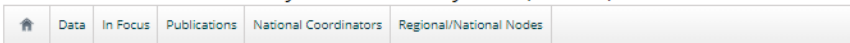
The table lists the local breeds with their risk status for each of the selected countries



**Step 3:** To export and visualize the data you searched for in different formats, click on the 'download' icon

## (2) SDG Indicator 2.5.2

### Domestic Animal Diversity Information System (DAD-IS)



#### SDG 2.5.2

SDG Indicator 2.5.2 of the Sustainable Development Goals

Percentage of local breeds at risk of extinction out of local breeds with known risk status

Number of breeds - all Risk Categories

**SDG Indicator 2.5.2**

% Unknown Risk

Step 1: Click here to start your search

Step 2: Select a region(s) and or country(ies) from the drop-down boxes

Regions: (Multiple values)  
☐ (All)  
☐ Null  
☐ Africa  
☒ Asia  
☐ Europe and the Caucasus  
☐ Latin America and the Caribbean  
☐ Near and Middle East  
☐ North America  
☒ Southwest Pacific

Country: (All)

SDG 2.5.2  
7% 86%

A synthesis of your search results is provided underneath the map

Region: Asia & Southwest Pacific  
Percentage of local breeds with unknown risk status: 86,01%

Totals:  
Not at risk: 209  
At risk: 72  
Unknown risk: 1 727

Proportion of countries with at least partial reporting: 23,08%

For example: 23,08% of the countries in Asia and the Southwest Pacific at least partially reported on SDG indicator 2.5.2.

In these regions, the risk status is unknown for 1727 local breeds (86,01% out of the total number of local breeds). 209 breeds are considered not to be at risk of extinction, while 72 breeds were classified as being at risk

Step 3: To export and visualize the data you searched for in different formats, click on the 'download' icon

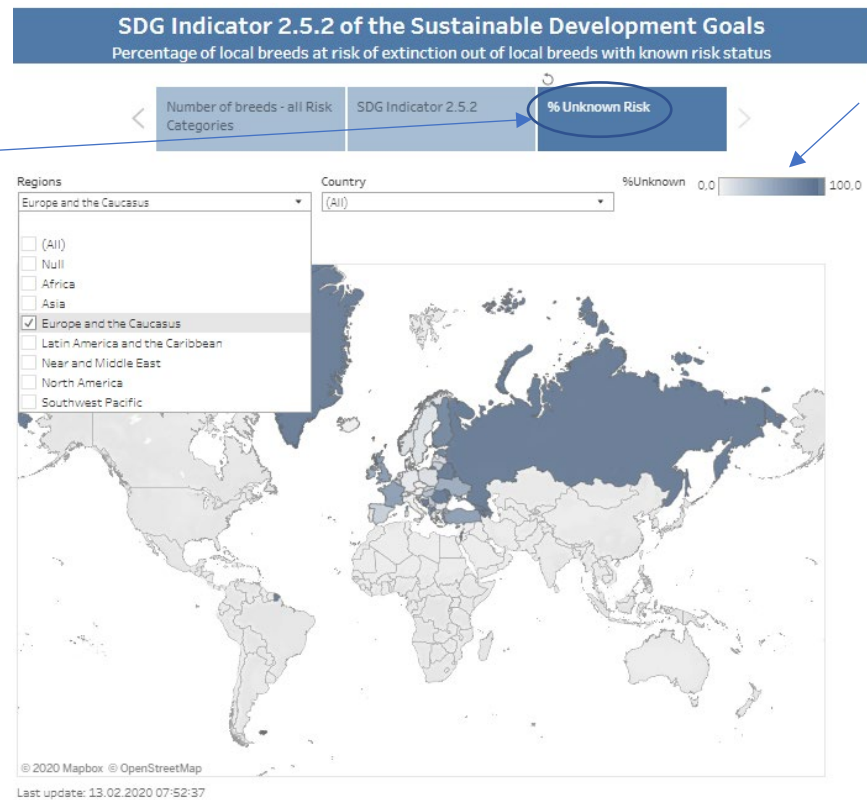
Download



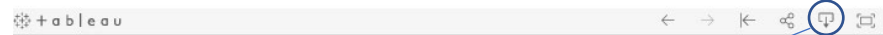
### (3) % Unknown Risk

**Step 1:** Click here to start your search

**Step 2:** Select a region(s) and or country(ies) from the drop-down boxes



The bar with increasing shades of grey reflects the percentage of local breeds with unknown risk status in the selected countries



**Step 3:** To export and visualize the data you searched for in different formats, click on the 'download' icon

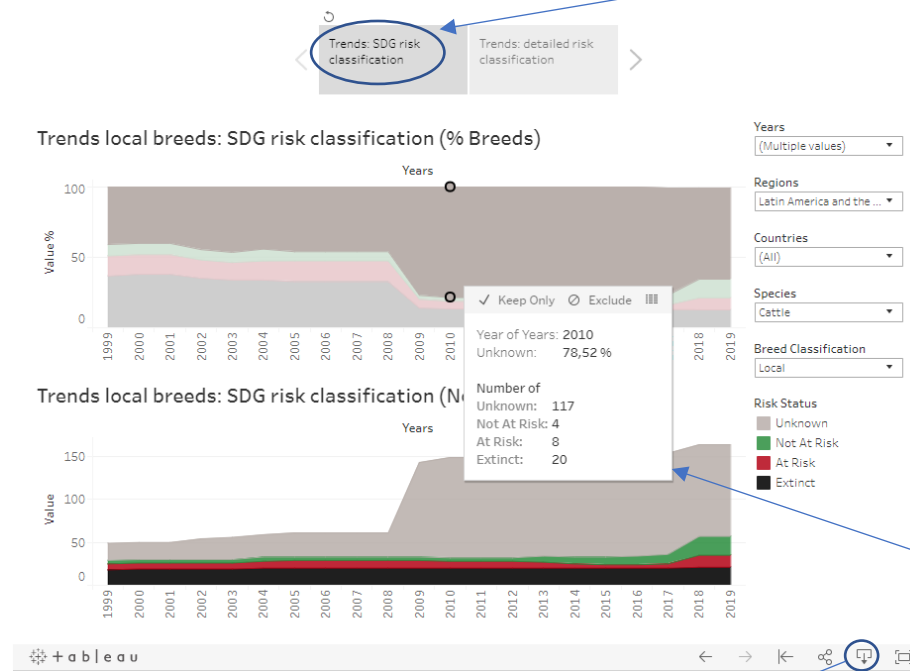
## Option 6: Trends in risk status

Find out the trends in risk status of local and transboundary livestock breeds across the globe

1) Trends in risk status of local and transboundary breeds following the SDG risk classification (i.e. Unknown, Not At Risk, At Risk and Extinct) expressed in in percentage and number of breeds

### Trends in risk status of local breeds

#### Trend in Risk Status



**Step 1:** Click here to start your search

**Step 2:** Enter your selection criteria

- Indicate the period you are interested in (e.g. 1999-2019)
- Select a region(s) and or country(ies) from the drop-down boxes (e.g. Latin America and the Caribbean)
- Select one or several livestock species (e.g. cattle)
- Select the breed category of interest (i.e. local)

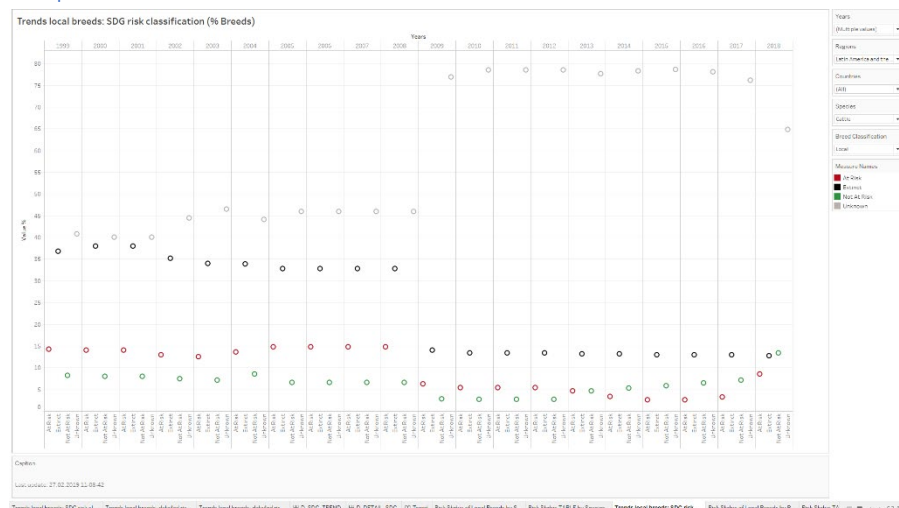
**Step 3:**

- Move your mouse cursor over the chart to visualize the data for a specific year (e.g. 2010)

**Step 4:** To export and visualize the data you searched for in different formats, click on the 'download' icon

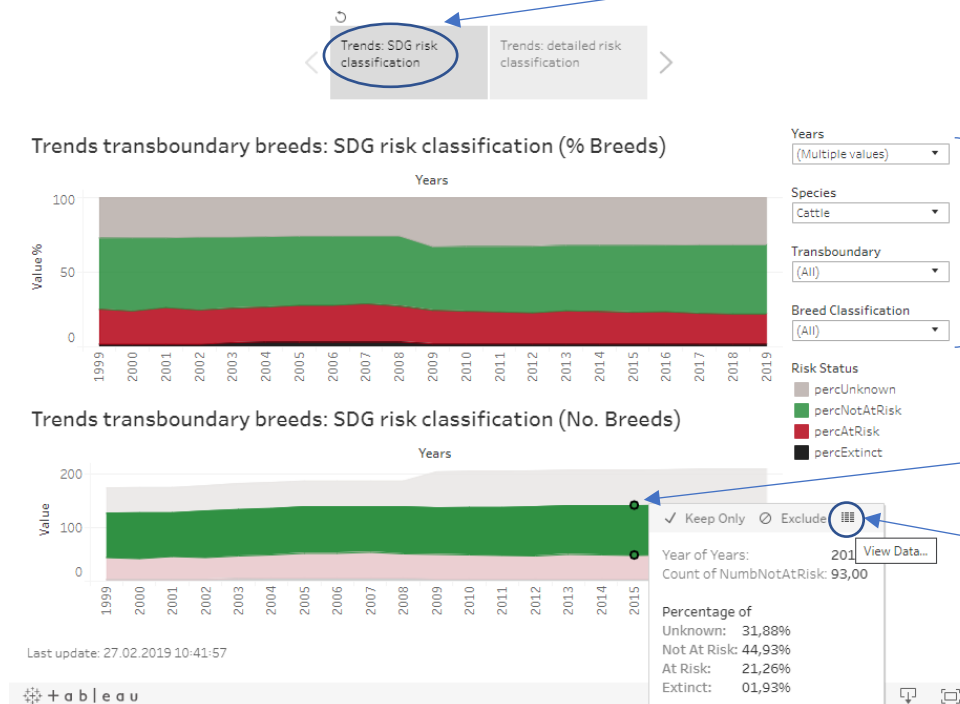
- To extract the full data set of your search in tabular format click 'Enter' anywhere on the chart

### Example of chart created in Tableau Workbook



## Trends in risk status of transboundary breeds

**Step 1:** Click here to start your search



**Step 2:** Enter your selection criteria

- Indicate the period you are interested in (e.g. 1999-2019)
- Select one or several livestock species (e.g. cattle)
- Select one or several breeds
- Select the breed category of interest (i.e. regional, international or both)

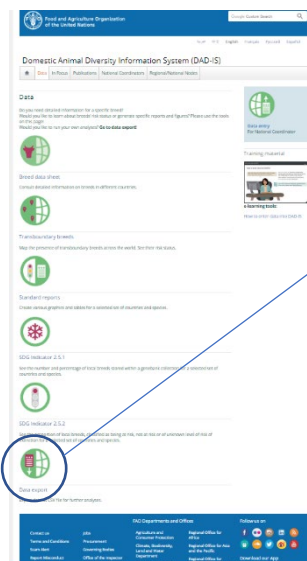
**Step 3:**

- Move your mouse cursor over the chart to visualize the data for a specific year (e.g. 2015)
- To extract the full data set of your search in tabular format click here

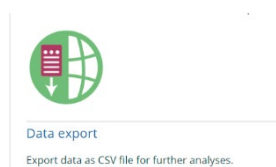
2) Trends in risk status of local and transboundary breeds following the detailed risk classification expressed in percentage and number of breeds

The screenshots explaining how to locate information on the risk status of local and transboundary breeds following the SDG risk classification can also be used for the tool that was developed to identify the trends in risk status following the detailed risk classification

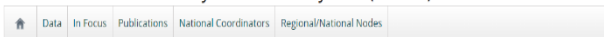
## Would you like to export data as CSV files\* for further analyses?



**Step 1:** On the 'Data' landing page, select the option 'Data export'



### Domestic Animal Diversity Information System (DAD-IS)



#### Data export

1 Choose type of data

Type of data  
Population

2 Choose country and/or species

Country  
Australia

Species  
All species

3 Choose years range

Start year  
2009

End year  
2019

DOWNLOAD ALL

**Step 2:** Enter your selection criteria

1. Choose the type of data you are looking for from the drop-down box
2. Select the country and species of interest from the drop-down lists
3. Select a date range in case you have chosen "population" or "Cryo Conservation" as data type

**Step 3:** Click here to export the data you searched for as CSV-file

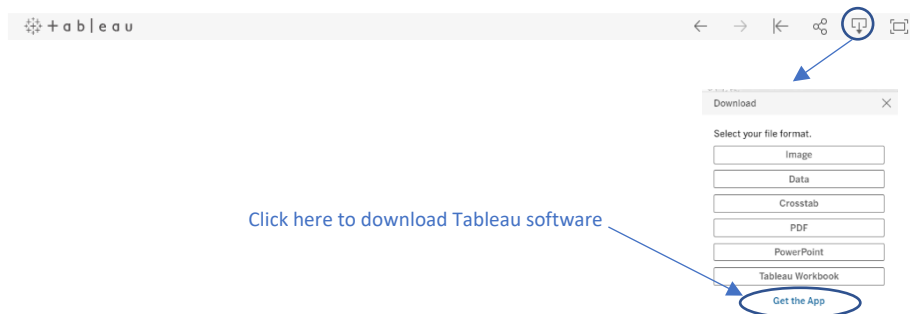
Country	Species	Breed	Year	Population	Population Trend	Population Breeding	Breeding Females	Females t Herds	Herds size AI used	Male in al	In situ con	Reliability	Last update	Geo
Albania	Cattle	Albanian I	2013	520	580 increasing	census at	19	380	85	46	3	Yes	reliable	26-Apr-14 local
Albania	Cattle	Busha	2012	1100	1250 increasing	census at	67	760	90	175	3	No	not reliab	25-Aug-10 negl
Argentina	Cattle	Holando P	2010	10000000	10000000	survey at breed level							5-Apr-12 inte	
Australia	Cattle	Angus	2010	31355	31355 unknown								10-Apr-12 local	
Australia	Cattle	Basford	2010	116	116								5-Apr-12 inte	
Australia	Cattle	Beef Shor	2010	394	394								10-Apr-12 inte	
Australia	Cattle	Belgian Bl	2010	41	41								11-Apr-12 inte	
Australia	Cattle	Belmont F	2010	762	762 unknown								10-Apr-12 inte	
Australia	Cattle	Blonde d'	2010	831	831								10-Apr-12 local	
Australia	Cattle	Bonsmara	2010	62	62								10-Apr-12 inte	
Australia	Cattle	Boran	2010	26	26								10-Apr-12 inte	
Australia	Cattle	Brford	2010	1005	1005								10-Apr-12 inte	
Australia	Cattle	Brahman	2010	10805	10805								10-Apr-12 inte	
Australia	Cattle	Brangus	2010	2767	2767 unknown								10-Apr-12 inte	
Australia	Cattle	Braunvieh	2010	13	13								11-Apr-12 inte	
Australia	Cattle	British Wt	2010	159	159 unknown								5-Apr-12 inte	
Australia	Cattle	Charbray	2010	1541	1541								10-Apr-12 inte	
Australia	Cattle	Charolais	2010	10668	10668								10-Apr-12 inte	

\* A CSV file is a comma-separated values file, which allows data to be saved in a tabular format. CSV files can be used with spreadsheet programs, such as Microsoft Excel.

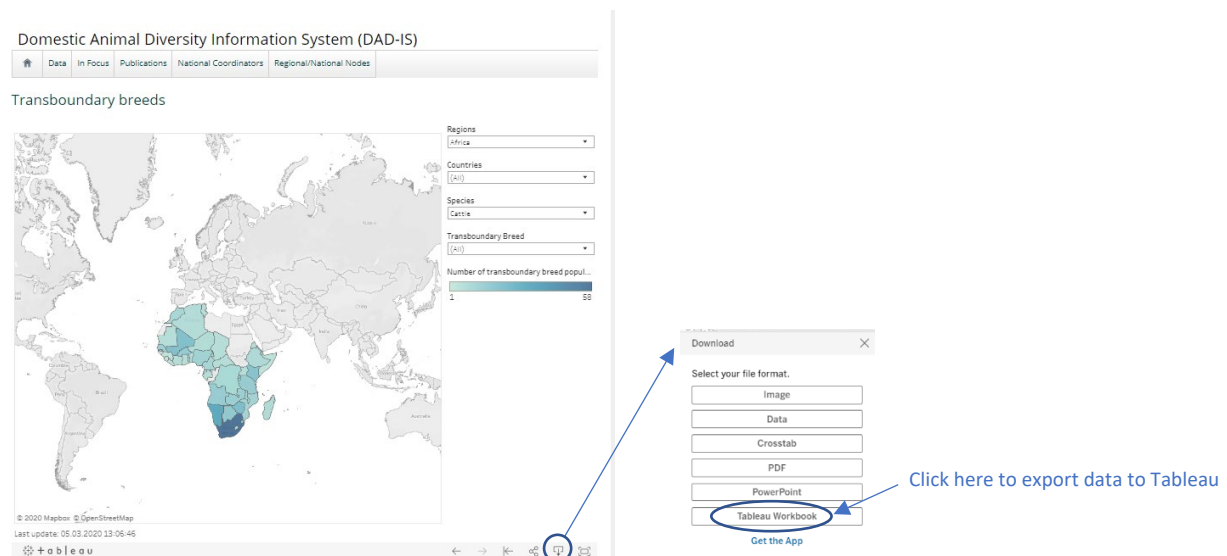
## Using Tableau public software for data visualization

Data from DAD-IS can also be analyzed and displayed in different formats (interactive maps, various graphics and tables) using Tableau public software.

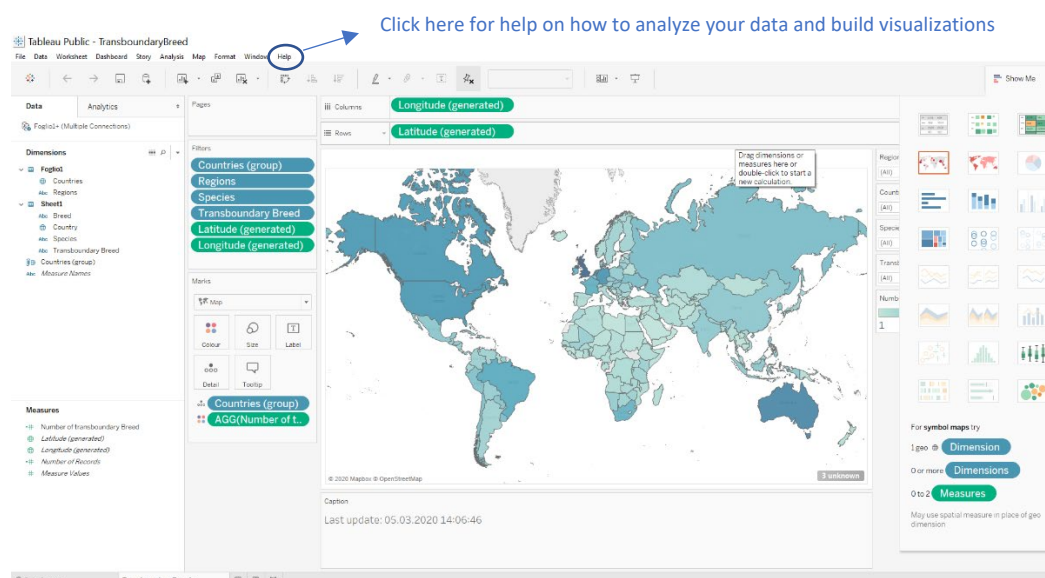
Step 1: Download Tableau public software free of charge on the landing pages of the ‘Transboundary breeds’ and ‘Standard reports’ data tools.



Step 2: Export the data of interest to Tableau



Step 3: Tableau offers a multitude of options to analyze and display the selected data



### 3.3 Using other features of DAD-IS

#### 3.3.1 In Focus

The most recent events of relevance to the development of DAD-IS are listed under the 'In Focus' tab at: <http://www.fao.org/dad-is/infocus/en/>.

#### 3.3.2 Publications

Publications on livestock diversity, including guidelines on the different management aspects of animal genetic resources, are provided under the 'Publications' tab at: <http://www.fao.org/dad-is/publications/en/>.

#### 3.3.3 National Coordinators

A list of the Regional and National Coordinators for the Management of Animal Genetic Resources and their contact information, is provided under the 'National Coordinators' tab at: <http://www.fao.org/dad-is/national-coordinators/en/>.

#### 3.3.4 Regional/National Portals

DAD-IS includes virtual regional -EFABIS (The European Farm Animal Biodiversity Information System)- and several national portals.

Links to these portals are available at: <http://www.fao.org/dad-is/regional-national-nodes/en/>.

The EFABIS portal offers a range of additional tools to find and extract data relevant to the diversity and risk status of livestock breeds. These tools are listed under the 'EFABIS' tab.

Other tools provided by EFABIS include the Image browser. This tool allows its users to find images of specific livestock breeds across the globe.

### Domestic Animal Diversity Information System (DAD-IS)

The screenshot displays the DAD-IS website interface. At the top, a navigation bar includes tabs for 'Data', 'In Focus', 'Publications', 'National Coordinators', and 'Regional/National Nodes'. Below this, the 'EFABIS' section is highlighted. On the left, a list of national portals is shown: EFABIS Greece, EFABIS Ireland, EFABIS Poland, EFABIS Slovenia, and EFABIS United Kingdom. To the right, under the heading 'European Farm Animal Biodiversity Information System (EFABIS)', there is a 'Tools' section. This section lists several tools: 'Breed Data', 'Transboundary breeds', 'Risk and trends', 'Gene banks data', 'Other tools', and 'Annual statistics'. The 'Other tools' item is expanded, revealing a sub-menu with 'Image browser', 'Cross-table generator', and 'Conservation programmes'. A blue arrow points from the 'Other tools' item in the main list to the expanded sub-menu.

Home	Data	In Focus	Publications	National Coordinators	Regional/National Nodes
<b>EFABIS</b>					
<b>Tools</b>					
EFABIS Greece					
EFABIS Ireland					
EFABIS Poland					
EFABIS Slovenia					
EFABIS United Kingdom					
<b>European Farm Animal Biodiversity Information System (EFABIS)</b>					
<b>Tools</b>					
+ Breed Data					
+ Transboundary breeds					
+ Risk and trends					
+ Gene banks data					
+ Other tools					
+ Annual statistics					
<div><div>- Other tools</div><ul style="list-style-type: none"><li>• Image browser</li><li>• Cross-table generator</li><li>• Conservation programmes</li></ul></div>					

The Image browser provides two options to search for breed images:

Option 1: The user selects a certain livestock species in a specific country. The tool provides images of the different livestock breeds belonging to the species selected.

Image Browser

Search by Country and Species

Country

Bhutan


Species

Yak (domestic)


SEARCH

Search by breed name


Please select a country and a specie



EASTERN YAK



WESTERN YAK



WESTERN YAK

Option 2: The user enters a specific breed name. The tool provides images of the selected livestock breed.

Image Browser

Search by Country and Species


Search by breed name

Breed


Western yak

Please select a country and a specie

Bhutan, Yak (domestic)



WESTERN YAK



WESTERN YAK



### 3.4 Specific information for National Coordinators on how to enter data into DAD-IS

National Coordinators are responsible for the collection and validation of information related to livestock breeds in their country, and for entering this data into DAD-IS on a regular basis.

To assist National Coordinators with the data entry process, DAD-IS provides a data entry user manual and a brief e-learning course. This guidance material can be found under the website's 'Data' tab.

#### 3.4.1 Data entry quick guide for National Coordinators

Domestic Animal Diversity Information System (DAD-IS)

[Data](#) [In Focus](#) [Publications](#) [National Coordinators](#) [Regional/National Nodes](#)

**Data**

Do you need detailed information for a specific breed?  
Would you like to learn about breeds' risk status or generate specific reports and figures? Please use the tools on this page!  
Would you like to run your own analyses? [Go to data export!](#)

[Data entry For National Coordinator](#)

**How to find the quick guide?**

**Step 1:** On the 'Data' landing page, click on 'Data entry'

**Step 2:** Download the 'quick guide' here

[User Manual](#) [Login](#) [Lang](#) [EN](#)

DAD-IS Domestic Animal Diversity Information System

Email \*

Password \*

[LOGIN](#)

[Forgot password](#)

\* Indicates required field

[Provide feedback](#)

#### 3.4.2 E-learning course

[Data](#) [In Focus](#) [Publications](#) [National Coordinators](#) [Regional/National Nodes](#)

**Data**

Do you need detailed information for a specific breed?  
Would you like to learn about breeds' risk status or generate specific reports and figures? Please use the tools on this page!  
Would you like to run your own analyses? [Go to data export!](#)

[Data entry For National Coordinator](#)

**Breed data sheet**

Consult detailed information on breeds in different countries.

[Click here to attend the e-learning course](#)

**Training material**

[e-learning tools:](#)

[How to enter data into DAD-IS](#)





