



# FAO AND THE SDG MONITORING FRAMEWORK FOR PGRFA

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Food and Agriculture Organization  
of the United Nations

# SDG GOAL, TARGET & INDICATOR

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2 ZERO HUNGER



Goal 2 is to end hunger, achieve food security, improved nutrition and promote sustainable agriculture.

**Target 2.5** is concerned with genetic resources for food and agriculture:

**“By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species including through soundly managed and diversified seed and plant banks at the national, regional and international levels,**

**and**

**promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed.”**



# INDICATOR FOR PLANT GENETIC RESOURCES

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Target 2.5 is measured by:

**Indicator 2.5.1: Number of plant and animal genetic resources for food and agriculture secured in either medium or long term conservation facilities**

and

Indicator 2.5.2: Proportion of local breeds classified as being at risk, not-at-risk or at unknown level of risk of extinction



# INDICATOR METHODOLOGY – 2.5.1

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## 2.5.1. Number of plant and animal genetic resources for food and agriculture secured in either medium or long term conservation facilities

- Monitoring framework endorsed by FAO Commission on Genetic Resources for Food and Agriculture (GRFA): status and trends of GRFA described through globally agreed indicators and country-driven assessments
- Indirect measurement of the total genetic diversity secured for future use
- Positive variations approximated to an increase in the agrobiodiversity secured, while negative variations to a loss of it

# INDICATOR - 2.5.1

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## 2.5.1. Number of plant and animal genetic resources for food and agriculture secured in either medium or long term conservation facilities

- Tier I indicator (methodology defined and data available)
- Under FAO custodianship
- Through the FAO World Information and Early Warning System on PGRFA (**WIEWS**) - **the plant component**
- Through the Domestic Animal Diversity Information System (DAD-IS) - the animal component



# INDICATOR METHODOLOGY – 2.5.1 PLANTS

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## What to report?

Accession-level information for 13 MCPD descriptors of all *ex situ* collections kept under medium- or long-term storage conditions in the country.

It should include all base collections and the active collections which are not part of the base yet or that are also held for conservation purposes.

AVOID DUPLICATE REPORTING!!!



# INDICATOR METHODOLOGY – 2.5.1 PLANTS

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## Who reports, when and to who?

- **Officially appointed National Focal Points (NFP)** for plant genetic resources can report directly to WIEWS. NFP can also delegate others to report on separate collections. Data reported to WIEWS by countries and international centres are official.
- **Reporting is on an annual basis (January)**
- To FAO WIEWS ([wiews@fao.org](mailto:wiews@fao.org))



# INDICATOR METHODOLOGY – 2.5.1 PLANTS

## How to report

### 2 OPTIONS

By notifying the address of the on-line database where the required information can be downloaded (e.g. EURISCO or GENESYS)

By filling an Excel template downloadable from WIEWS home page (at [www.fao.org/wiews](http://www.fao.org/wiews) see on the right of the screen: **Excel Reporting**

### Format for SDG 2.5.1)

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### WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

Background Data Resources Glossary

Plant genetic resources for food and agriculture (PGRFA) are essential to sustainable agriculture and food security. They are the raw materials to meet the current and future needs of crop improvement and adaptation programmes. It is therefore very important to conserve and sustainably use them.

WIEWS is the information system used by FAO for the preparation of periodic, country-driven global assessments of the status of conservation and use of PGRFA. WIEWS also monitors, on the basis of country reports, the implementation of the Second Global Plan of Action for Plant Genetic Resources for Food and Agriculture, adopted in 2011. National Focal Points, appointed by Governments, may provide relevant information through a dedicated Reporting tool.

Key Information

WIEWS provides access to official data on the implementation of the Second Global Plan of Action for PGRFA (Second GPA), its 18 priority activities and 63 monitoring indicators, agreed by the Commission on Genetic Resources for Food and Agriculture, and the plant component of indicator 2.5.1 of the Sustainable Development Goals (SDG).

Key Publications

Reporting tool for the Second GPA (restricted access)

**Excel Reporting Format for SDG 2.5.1**




# WIEWS - World Information and Early Warning System on Plant Genetic Resources for Food and Agriculture

## Ex Situ (SDG 2.5.1) - Overview

The conservation of plant genetic diversity plays a crucial role in food security as recognized by the Second Global Plan of Action for Plant Genetic Resources for Food and Agriculture, and the Sustainable Development Goal 2, Zero Hunger, under its Target 2.5.

WIEWS provides access to official data on the implementation of the Second Global Plan of Action for Plant Genetic Resources for Food and Agriculture, and on the plant component of SDG indicator 2.5.1 *Number of plant and animal genetic resources for food and agriculture secured in either medium or long term conservation facilities.*

Information on plant genetic resources secured in genebanks (*ex situ*) can be viewed as metadata on this page. For accession-level information of the *ex situ* holdings use the advanced search.

Sele  2017  
 2014  
 2016  
 2017

All  
 African  
 Apple  
 Artichoke  
 Azuki bean  
 Bambara groundnut  
 Barley

Select Genus

All

Abelmoschus  
 Anethum  
 Apium  
 Arachis  
 Artocarpus  
 Avena

### Ex Situ Holdings

Regions	Accessions	Genera	Species	Gene Banks	Countries
Africa	280,005	1,501	4,389	39	20
Americas	921,073	2,747	15,017	126	12
Asia	709,130	1,549	5,609	54	20
Europe	1,871,212	5,977	39,422	334	36
Oceania	258,941	731	3,848	4	2
Regional	51,259	384	714	6	-
International	800,525	614	3,436	12	-
<b>TOTAL</b>	<b>4,892,145</b>	<b>6,946</b>	<b>50,810</b>	<b>575</b>	<b>90</b>

### # Accessions by Status

1,636,710

### % Accessions by Storage



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More on this, on the preparation on  
**THE THIRD REPORT**  
on the **STATE** of the **WORLD's PGRFA**  
and more... at the forthcoming  
**9<sup>th</sup> Session of the Intergovernmental Technical  
Working Group on PGR**  
Rome 25 – 27 July 2018  
Looking forward to seeing you!  
**THANK YOU!**