

Environment statistics for Evidence-based decision making

27–31 March 2017 – Workshop on Environment Statistics for EAC

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ENVIRONMENT Team
FAO STATISTICS DIVISION



Food and Agriculture Organization
of the United Nations

Outline

FAO STATISTICAL PROCESSES

***FAOSTAT AND FDES: DESCRIPTIVE AND ANALYTICAL
STATISTICS***

FAO AND THE SDG PROCESS

CAPACITY DEVELOPMENT



Food and Agriculture Organization
of the United Nations

Statistics in FAO

- Statistics are a **core function and pillar of FAO** work and represent a highly visible area of the Organization's work
- **FAO informs decision-making** through the provision of reliable and timely data
- **Statistics enable Monitoring and Reporting** progress towards national and international development goals and targets



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FAO Statistics and National Data

- I. **Data collection from member countries** and data quality processes

FAO Constitution Art. I (1)

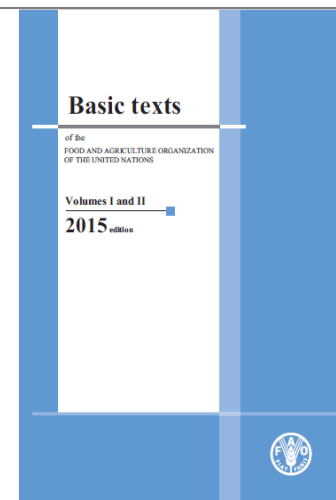
- II. **Data dissemination** through public databases

FAO Constitution Art. I (1)

- III. **Capacity development** to strengthen national statistical institutions responsible for agricultural data collection and in support of relevant international processes

FAO Constitution Art. I (3a)

Develop standards and methodologies for data and metadata collections: harmonization and data quality



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FAOSTAT Data

FAOSTAT includes descriptive and analytical environment statistics:

Core Statistics:

Collected from Countries via Questionnaires

- *Fertilizers*
- *Pesticides*
- *Land Use*

Analytical Statistics:

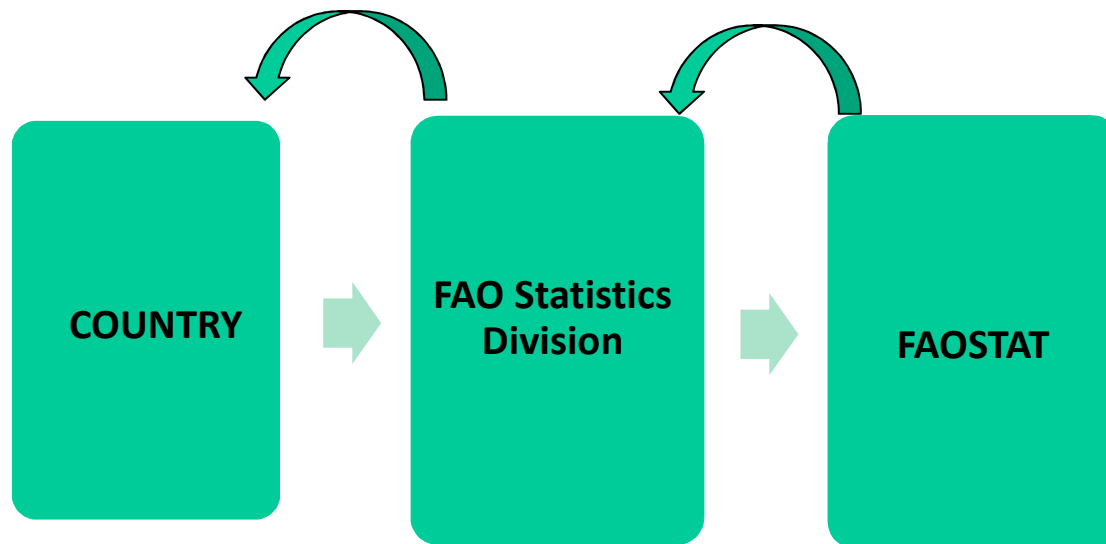
Policy analysis and country reporting

- *Emissions*
- *Agri-Environmental Indicators*
- *Climate Change Relevant Statistics*



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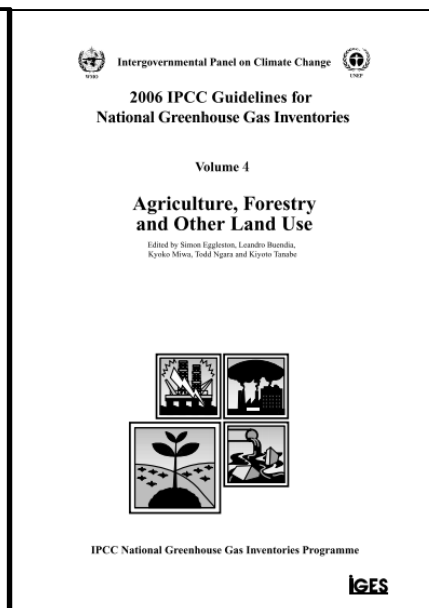
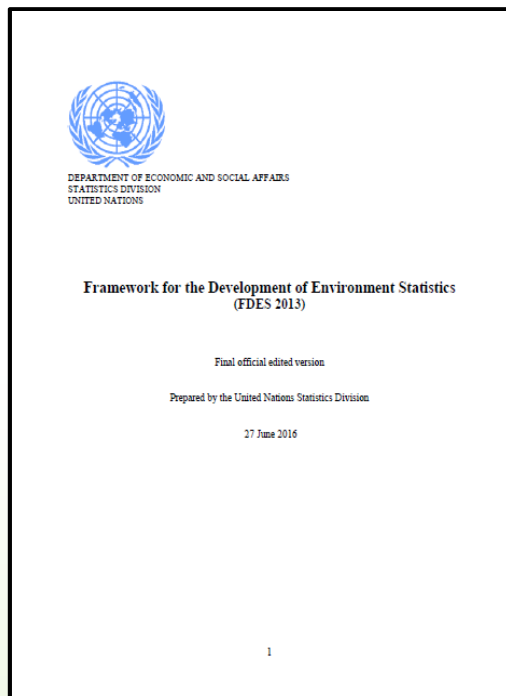
FAOSTAT Core Statistics: Collection, Analysis and Dissemination



| | | | |
|---|--|---|--|
| Food and Agriculture Organization of the United Nations | | Reference Years: 2009-2014 | |
| Questionnaire on Agricultural Resources Land use and Irrigation | | | |
| Purpose of the questionnaire This Fertilizer Questionnaire is used to collect data on fertilizer use and to forecast future requirements. Please complete and return to: | | Reporter name: Title: Administration and Office: Address: Tel: Fax: E-mail: http:// | |
| Name Title Administration and Office Address City Email Tel Fax Web site address | | National Reporting Office and Contact name | |
| Structure This questionnaire is divided into three introductory sections and two data reporting sections. Two Supplementary Information sheets are included. We kindly ask you to provide a reply by 02/Feb/2015 | | • The Land and Irrigation Questionnaire has three major sections: Land use and Irrigation, Land use - plantations and Metadata. • We have included detailed concepts and definitions of the land use categories in the Explanatory Notes sheet. • Please include notes on any deviation from the concepts and definitions regarding the specific data requested. • If your organization is not responsible for the data collection of one or more variables, we kindly ask you to indicate the contact detail of the organization responsible in the section "Land use - contact details". • If you have any query regarding the questionnaire please contact: Mr Francesco Tubiello tel: (+39) 06 5705 2169 e-mail: Francesco.Tubiello@fao.org http://www.fao.org/statistics/en/ | |

FAOSTAT Analytical Statistics: Estimates and Indicators based on core statistics and aligned with International Standards

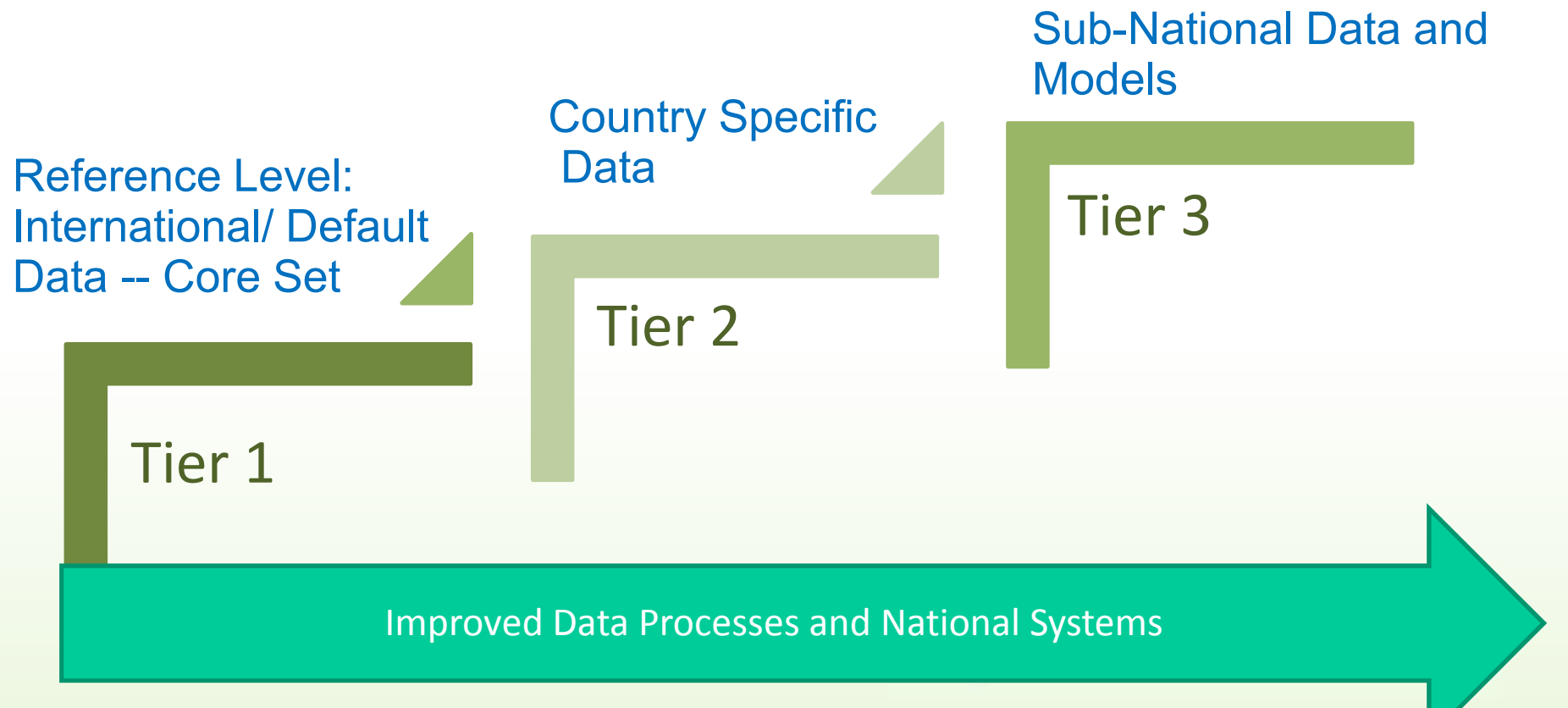
- **Reference data products in support of National analysis and International Reporting (Climate Convention, SDGs, FDES)**



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FAOSTAT Analytical Statistics: Estimates and Indicators based on core statistics and aligned with International Standards

- ***Adoption of a Phased Approach to allow countries produce and report statistics at different levels of complexity, as desired***



FDES and FAOSTAT Environment Statistics

FDES includes 6 components:

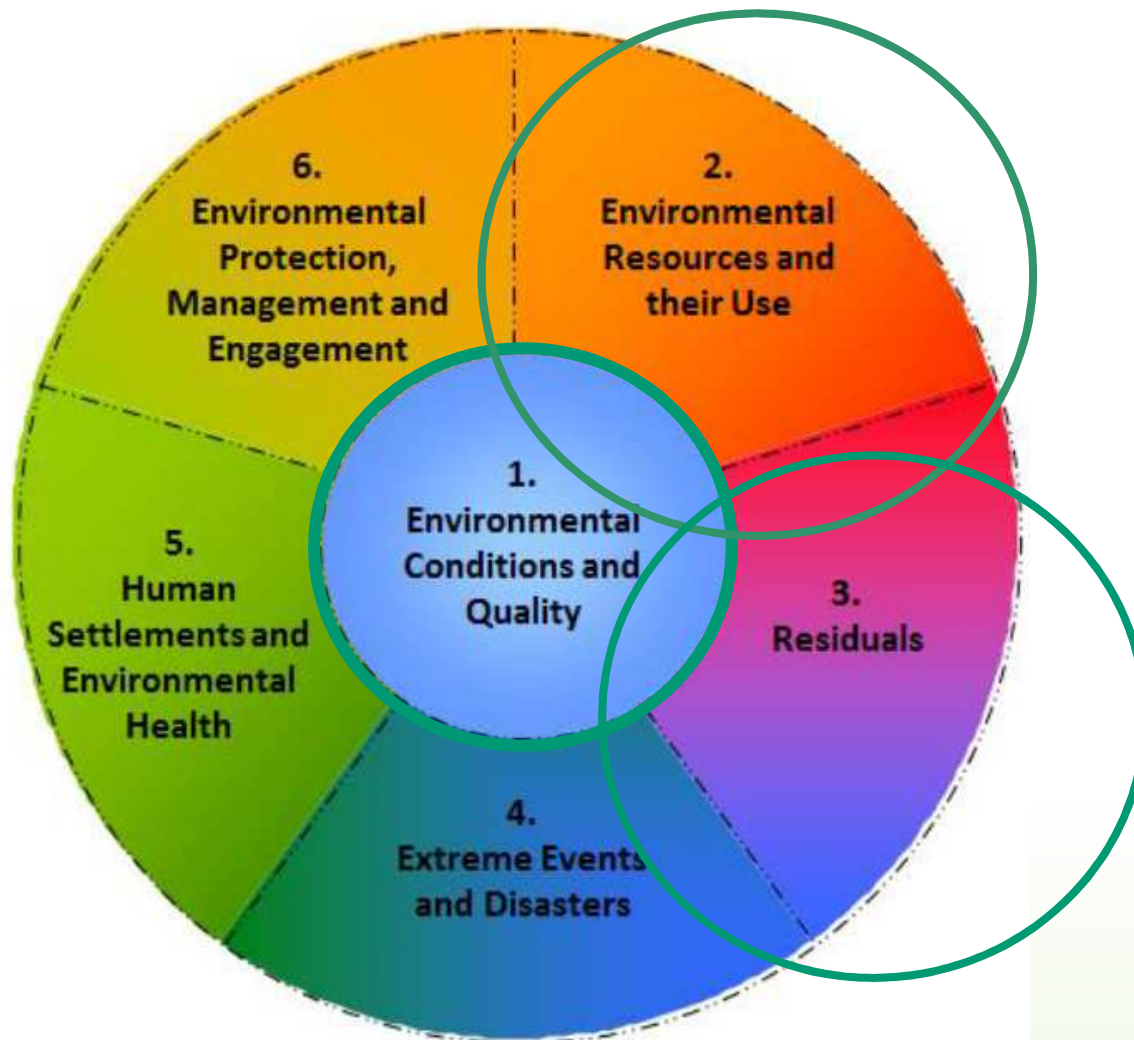
- *Environmental conditions and quality*
- *Land Cover, ecosystems and biodiversity*
- *Environmental quality*
- *Environmental resources and their use*
- *Residuals*
- *Extreme events and disasters*
- *Human settlements and environmental health*
- *Environmental protection, management and engagement*

FAOSTAT environment statistics support FDES components, including the *Basic Set and Core Set of Environment Statistics*



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FDES and FAOSTAT Environment Statistics (cont.)



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Fertilizers (I)



<http://www.fao.org/faostat/en/#data/RF>

COUNTRIES REGIONS SPECIAL

Filter results

- British Virgin Islands
- Brunei Darussalam
- Bulgaria
- Burkina Faso
- Burundi
- Cabo Verde

Select All Clear All

Burundi × Kenya × Rwanda ×

Uganda ×

ELEMENTS

Filter results e.g. production quantity

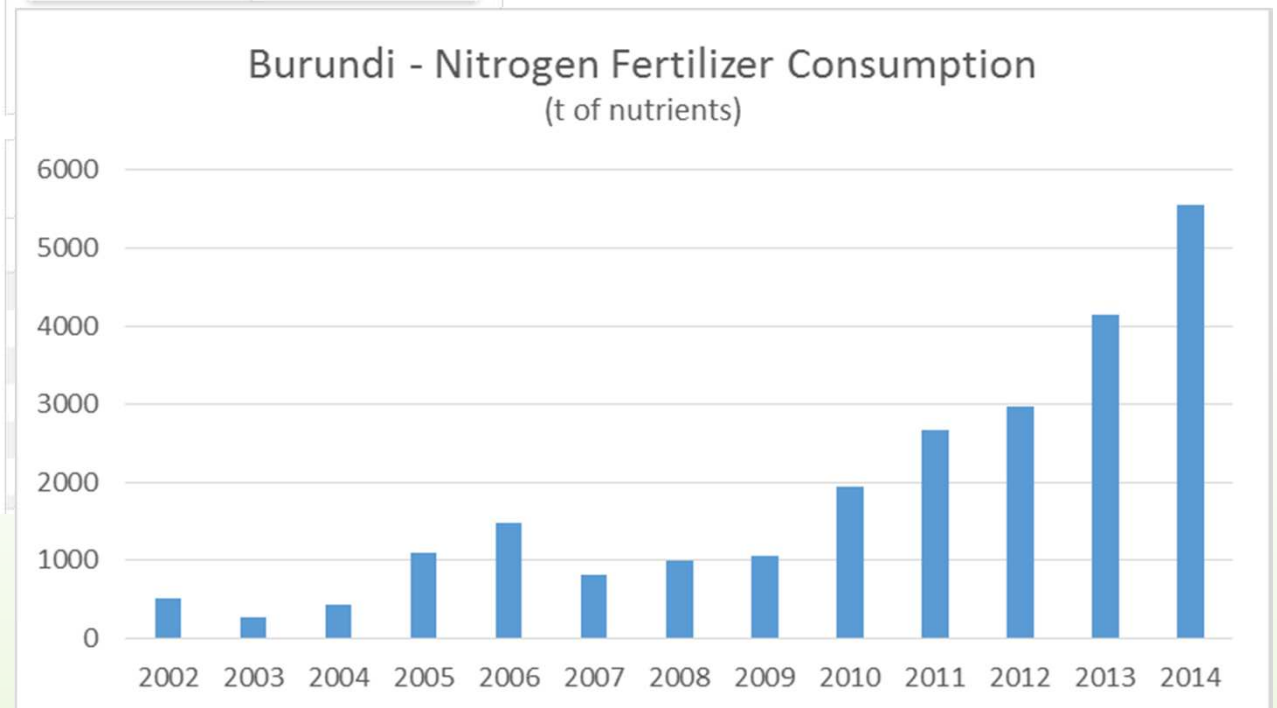
- Export Quantity
- Export Quantity in nutrients
- Non-fertilizer use
- Non-fertilizer use in nutrients
- Consumption
- Consumption in nutrients

Select All Clear All

ITEMS

Filter results e.g. nitrogen fertilizers (n to

- Nitrogen Fertilizers (N total nutrients)
- Phosphate Fertilizers (P205 total nutrie...
- Potash Fertilizers (K20 total nutrients)
- Ammonia, anhydrous
- Ammonium nitrate
- Ammonium sulphate



Fertilizers (ii)

Fertilizers

The Fertilizers dataset contains information on the Production, Trade, Agriculture Use and Other Uses of chemical and mineral fertilizers products... [Show More](#)

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Bulk Downloads

| | |
|---------------------|---------|
| All Data | 451 KB |
| All Data Normalized | 1.44 MB |
| All Area Groups | 22 KB |
| Africa | 90 KB |
| Americas | 84 KB |
| Asia | 110 KB |
| Europe | 123 KB |
| Oceania | 21 KB |

Last Update
November 10, 2016

Related Documents

 Fertilizers

 Definitions and...

 Metadata

Dataset Information:

| | |
|--------------------------------|--|
| Title | Fertilizers |
| Abstract | The FAOSTAT Fertilizers domain contains information, over the time series 2002- 2014, on Production, Trade, Agriculture Use and Other Uses of chemical and mineral fertilizers, both in total nutrients for the three main plant nutrients: nitrogen (N), phosphate (P ₂ O ₅), potash (K ₂ O), and in amounts of product. |
| Supplemental | The Fertilizers statistics are validated in terms of summary totals of Production, Imports, Exports, Agricultural Use and Other Uses, for the three main plant nutrients. Both straight and compound fertilizers are included. |
| International Standards | The FAOSTAT Fertilizers domain is compliant with the System of Environmental-Economic Accounting for Agriculture Forestry and Fisheries (SEEA AFF) in terms of: <ul style="list-style-type: none"> i) Definitions: fertilizers definitions in the SEEA AFF are based on FAO; ii) Classifications: it follows the Central Product Classification (CPC); and iii) Applicability: data can be used to compile the SEEA AFF Table 4.6, "Physical flow account for fertilizers". <p>The FAOSTAT Fertilizer domain is compliant with the Framework for the Development of Environmental Statistics (FDES 2013) as natural and chemical fertilizers are included in FDES Component 1, Environmental Conditions and Quality; Component 2, Environmental Resources and their use; and in Component 3, Residuals. Furthermore amount of fertilizers used for crops is defined by FDES as Core set/ Tier 1 statistics. (FDES, Table 4.2, "The Core Set of Environmental Statistics").</p> |
| Creation Date | 2002 |
| Last Update | 2016 |
| Data Type | Agricultural Input- Fertilizer |
| Category | Environment |
| Time Period | 2002-2014 |
| Periodicity | Annual |
| Geographical Coverage | World |
| Spatial Unit | Country |
| Language | Multilingual (EN, FR, ES) |

http://fenixservices.fao.org/faostat/static/documents/RF/RF_e.pdf



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Pesticides (i)

Inputs

Fertilizers

Fertilizers archive

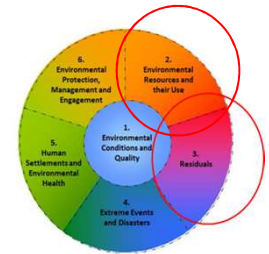
Fertilizers - Trade Value

Pesticides Use

Pesticides Trade

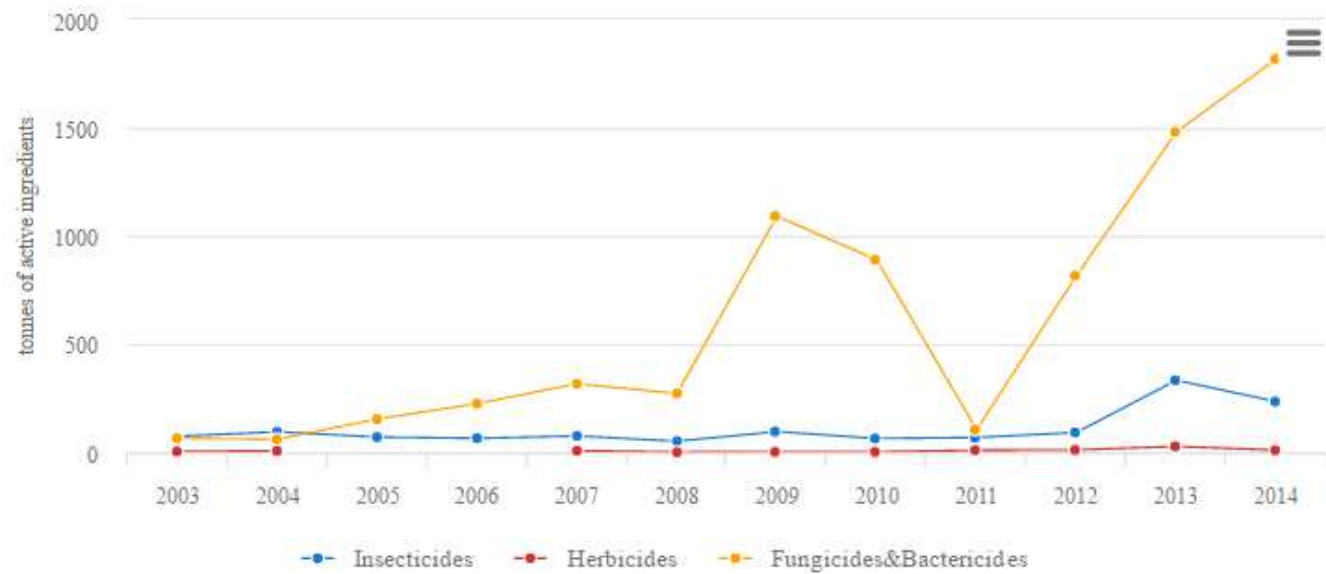
Land

<http://www.fao.org/faostat/en/#data/RP/visualize>



Pesticides use, Rwanda

2003 - 2014



Pesticides (ii)

Pesticides Use

The Pesticides (use) database includes data on the use of major pesticide groups (Insecticides, Herbicides, Fungicides, Plant growth regulators and... [Show More](#)

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Bulk Downloads

| | |
|---------------------|--------|
| All Data | 129 KB |
| All Data Normalized | 285 KB |
| Africa | 22 KB |
| Americas | 29 KB |
| Asia | 31 KB |
| Europe | 48 KB |
| Oceania | 5 KB |

Last Update
December 20, 2016

Related Documents

 Pesticides Use

 Definitions and...

 Metadata

Dataset Information:

| Title | Pesticides Use |
|--------------------------------|---|
| Abstract | The FAOSTAT Pesticides Use domain contains data on the use of major pesticide groups and of relevant chemical families. Data report the quantities (in tonnes of active ingredients) of pesticides used in the agricultural sector for crops, seeds and forestry. Data are available by country and year, with global coverage and annual updates. The domain covers the period 1990–2014. |
| Supplemental | The FAOSTAT Pesticides Use domain contains information on the use of major pesticide groups: Insecticides, Herbicides, Fungicides, Plant growth regulators and Rodenticides. Agricultural statistics are especially useful for market management/monitoring, production forecasts and policy-making in agricultural and food sectors. |
| International Standards | <p>The FAOSTAT Pesticides Use domain is compliant with the System of Environmental-Economic Accounting for Agriculture Forestry and Fisheries (SEEA AFF) in terms of:</p> <ol style="list-style-type: none"><u>Definitions</u>: the Pesticides definitions in the SEEA AFF are based on FAO;<u>Classifications</u>: the SEEA AFF classification for pesticides statistics is based on FAO;<u>Applicability</u>: FAOSTAT Pesticides Use domain data can be directly used to compile the SEEA AFF Table 4.7 "Physical flow account for pesticides". <p>The FAOSTAT Pesticides Use domain is compliant with the Framework for the Development of Environmental Statistics (FDES 2013) as pesticides data are included in FDES Component 1, <i>Environmental Conditions and Quality</i>; Component 2, <i>Environmental Resources and their use</i> and in Component 3, <i>Residuals</i>. Furthermore amount of pesticides used for crops is defined by FDES as Core set/ Tier 1 statistics. (FDES, Table 4.2 "The Core Set of Environmental Statistics").</p> |

http://fenixservices.fao.org/faostat/static/documents/RP/RP_e.pdf



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Land Use (i)

Land

[DOWNLOAD DATA](#)
[VISUALIZE DATA](#)
[METADATA](#)



< COUNTRIES REGIONS SPECIAL >

Filter results

- World + (Total)
- World > (List)
- Africa + (Total)
- Africa > (List)
- Eastern Africa + (Total)
- Eastern Africa > (List)

Select All

Clear All

-- Eastern Africa + (Total) X

ITEMS

Filter results e.g. country area

- Country area
- Land area
- Agricultural area
- Agricultural area organic, total
- Agricultural area certified organic
- Agricultural area in conversion to organ...

Select All

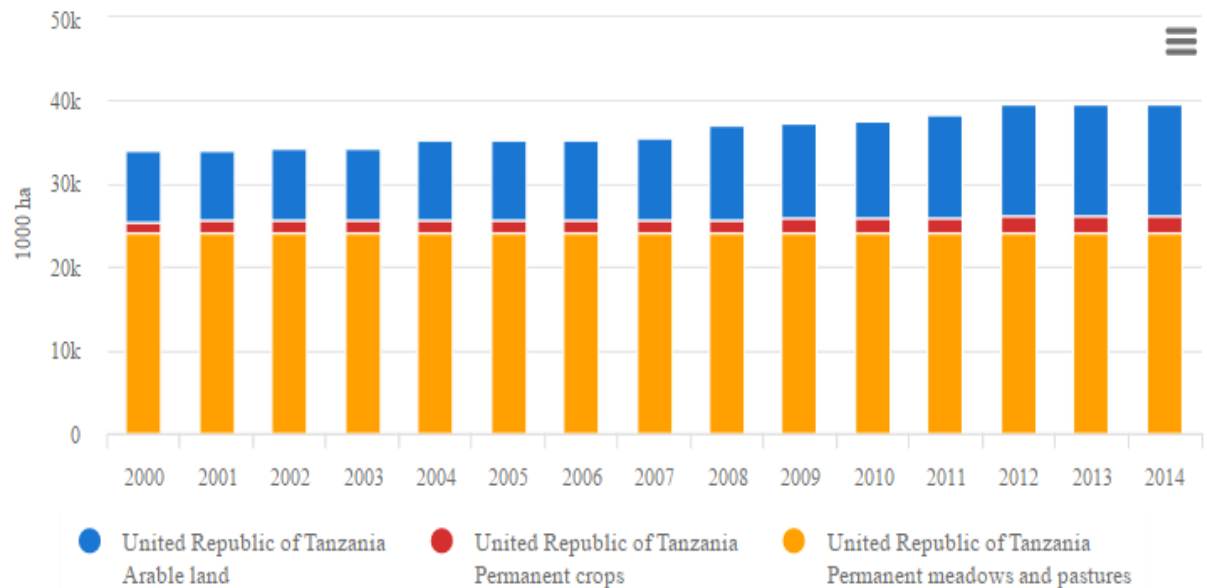
Clear All

ELEMENTS

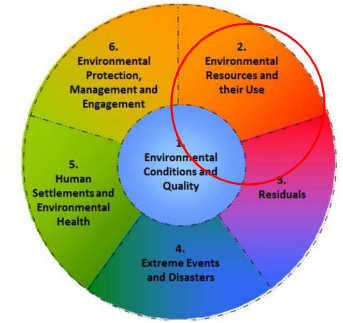
Filter results e.g. area

Composition of agricultural area United Republic of Tanzania

2000 - 2014



Land Use (ii)



http://fenixservices.fao.org/faostat/static/documents/RL/RL_e.pdf

Land

Land use data include information for: Country area (including area under inland water bodies), Land area (excluding area under inland water bodies... Show More

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Bulk Downloads

| | |
|---------------------|---------|
| All Data | 355 KB |
| All Data Normalized | 1.07 MB |
| All Area Groups | 61 KB |
| Africa | 66 KB |
| Americas | 59 KB |
| Asia | 66 KB |
| Europe | 73 KB |
| Oceania | 17 KB |

Last Update
December 7, 2016

Related Documents

Land

Definitions and...

Metadata

Dataset Information:

| Title | Land Use |
|--------------------------------|---|
| Abstract | The FAOSTAT Land domain contains data on thirty-three land use categories. It also contains data on forest carbon stock in living biomass, derived from the FAO Global Forest Resource Assessments (FAO FRA). Data are available by country and year, with global coverage and annual updates. The domain covers the period 1961–2014 for agricultural land and 1990–2014 for forest. |
| Supplemental | The FAOSTAT Land domain includes categories of land use for agricultural and forestry activities. Agricultural statistics are especially useful for market management/monitoring, production forecasts and policy-making in agricultural and food sectors. |
| International Standards | <p>The FAOSTAT Land domain is compliant with the System of Environmental-Economic Accounting Central Framework (SEEA CF), as well as with the System of Environmental-Economic Accounting for Agriculture Forestry and Fisheries (SEEA AFF), in terms of:</p> <ol style="list-style-type: none"> Definitions: consistent with those included in the SEEA CF and the SEEA AFF, based on FAO definitions; Classifications: it follows the SEEA CF and the SEEA AFF Land Use Classification based on FAO; Applicability: data can be directly used to compile the SEEA CF Tab. 5.15 "Physical asset account for forest and other wooded land" and the SEEA AFF Table 4.8, "Physical asset account for land use." <p>The FAOSTAT Land domain is compliant with the Framework for the Development of Environmental Statistics (FDES 2013) as FAO and SEEA CF land use categories are reported as methodological guidance in FDES Component 2, Environmental Resources and their use, Sub-Component 2.3: Land, Topic 2.3.1: Land Use. Furthermore Area under Land Use categories is defined by FDES as Core set/ Tier 1 statistics. (FDES, Table 4.2, "The Core Set of Environmental Statistics").</p> |



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Emissions (i)



Emissions - Land Use

Land Use Total

Forest Land

Cropland

Grassland

Burning - Biomass



Emissions - Agriculture

Agriculture Total

Enteric Fermentation

Manure Management

Rice Cultivation

Synthetic Fertilizers

Manure applied to Soils

Manure left on Pasture

Crop Residues

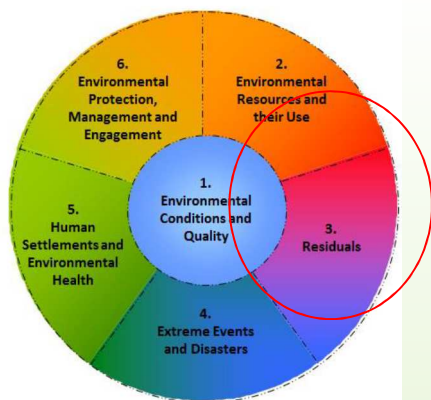
Cultivation of Organic Soils

Burning - Savanna

Burning - Crop Residues

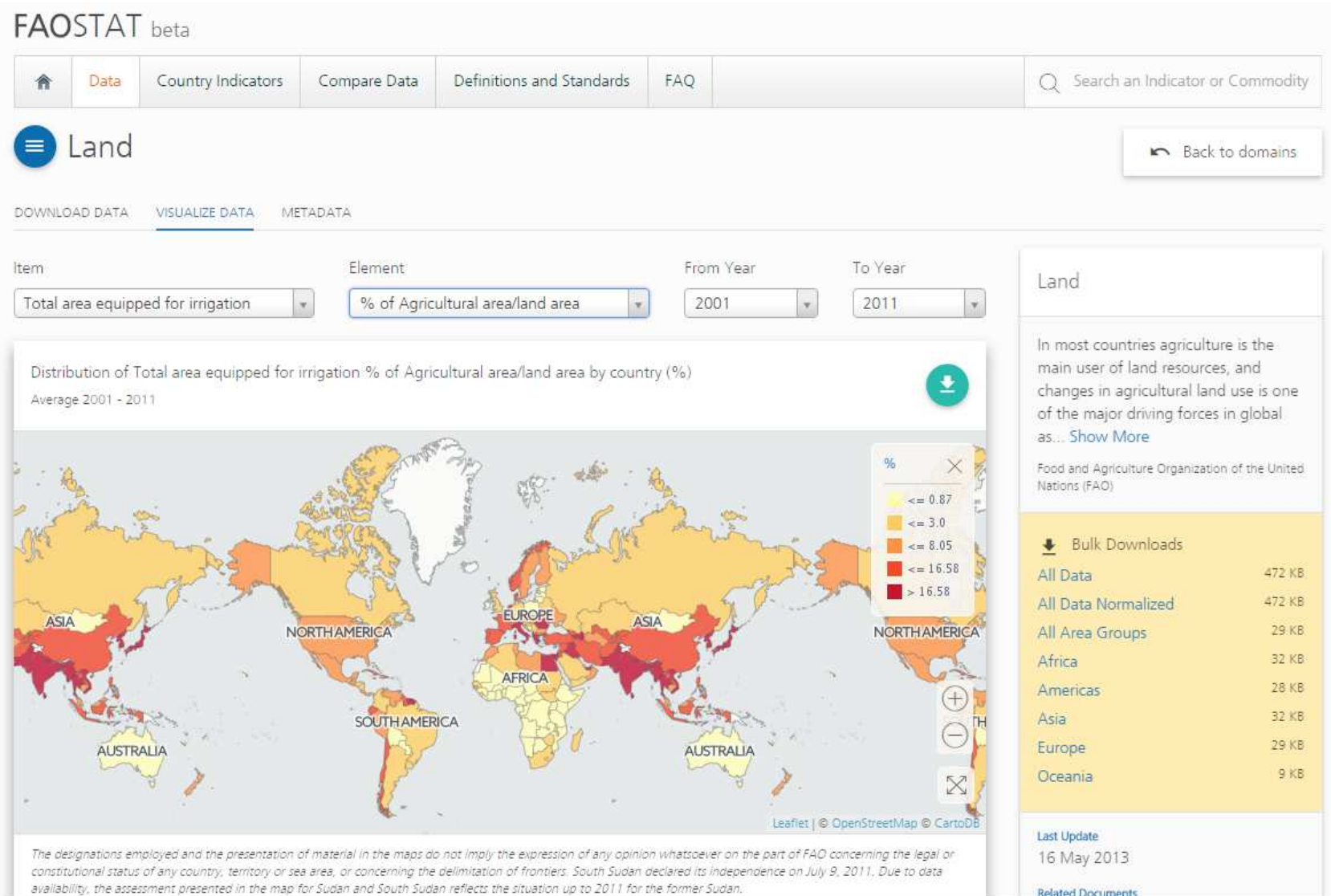
Energy Use

<http://www.fao.org/faostat/en/#data>



Agri-Environmental Indicators

e.g. Data series: Percent of total area equipped for irrigation



Climate Change Relevant Statistics

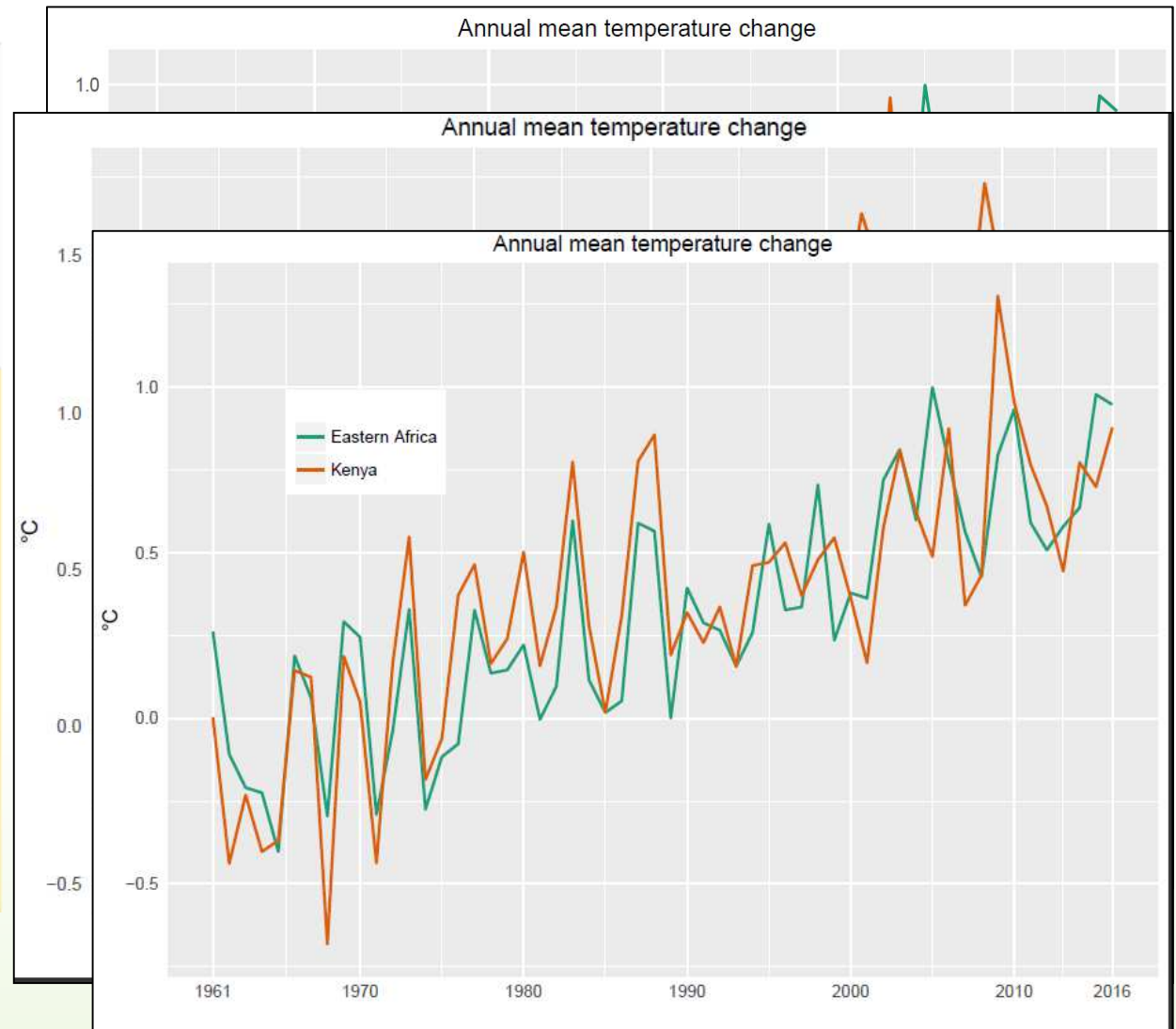
Temperature change

The Temperature Change domain of the FAOSTAT Agri-Environmental Indicators section contains data on observed mean surface temperature changes by... [Show More](#)

Food and Agriculture Organization of the United Nations (FAO)

Bulk Downloads

| | |
|---------------------|---------|
| All Data | 606 KB |
| All Data Normalized | 1.73 MB |
| All Area Groups | 69 KB |
| Africa | 134 KB |
| Americas | 96 KB |
| Asia | 120 KB |
| Europe | 112 KB |
| Oceania | 48 KB |
| Antarctic Region | 9 KB |



of the United Nations

FAO and SDGs Indicators

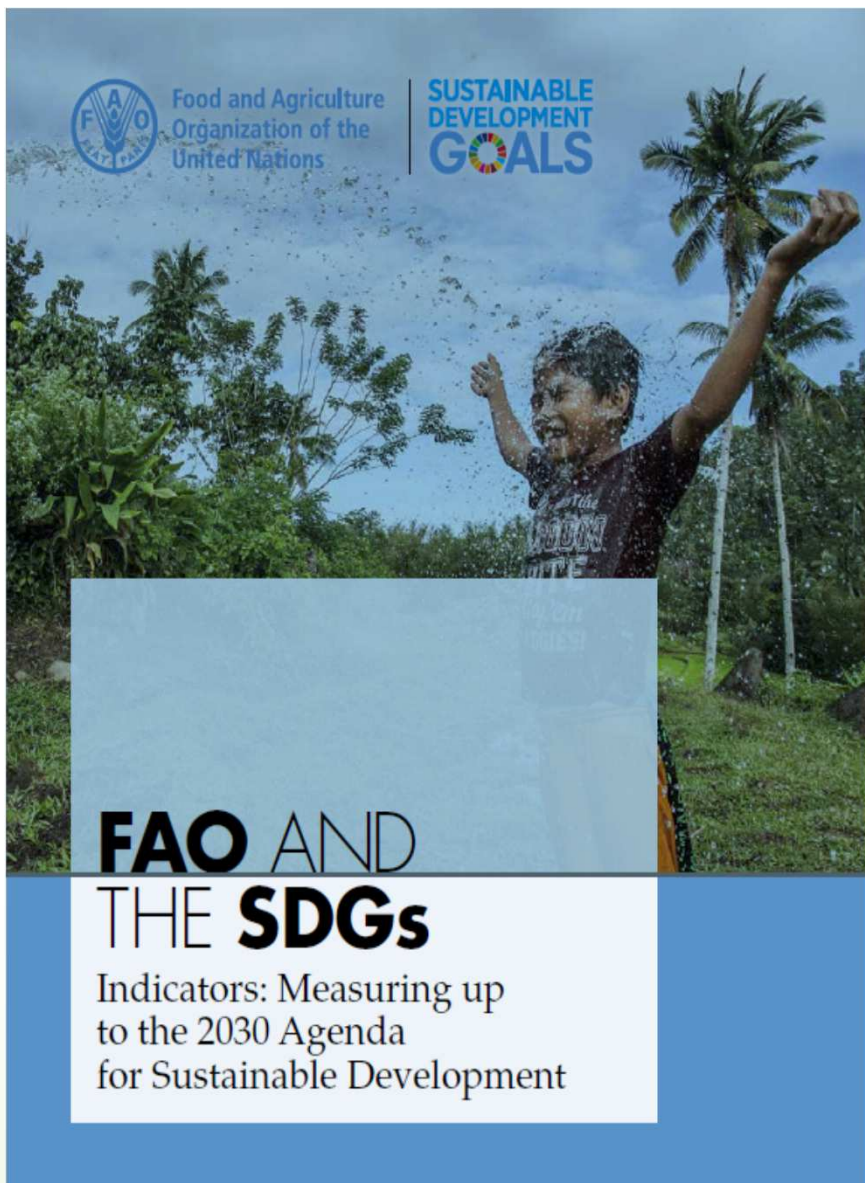
FAO is the UN Custodian Agency for **21 indicators**, for **SDGs 2, 5, 6, 12, 14** and **15**, and as a contributing agency for four more. As a custodian agency, FAO will be responsible for:

A) Collecting data from national sources, validating and harmonizing them, estimating regional and global aggregates and making them available for international reporting.

B) Contributing to annual SDG progress reports, feeding into the High-Level Political Forum's follow-up and review processes. Flagship publications are set to broaden their scope to include both a storyline and statistical annexes on relevant SDG indicators under FAO custodianship.

C) Establishing partnerships with other international agencies to monitor the increased number of indicators, crucial to achieving interrelated goals.

<http://www.fao.org/sustainable-development-goals/tracking-progress/en/>



GOAL



| Indicator | FAO Focal points | Tier |
|--|-------------------------------------|------|
| 2.1.1 Prevalence of undernourishment | Carlo Cafiero | I |
| 2.1.2 Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES) | Carlo Cafiero | I |
| 2.3.1 Volume of production per labour unit by classes of arming/pastoral/forestry enterprise size | Piero Conforti | III |
| 2.3.2 Average income of small-scale food producers, by sex and indigenous status | Piero Conforti | III |
| 2.4.1 Proportion of agricultural area under productive and sustainable agriculture | Jean-Marc Faures | III |
| 2.5.1 Number of plant and animal genetic resources for food and agriculture secured in medium or long term conservation facilities | Stefano Diulgheroff | II |
| 2.5.2 Proportion of local breeds, classified as being at risk, not-at-risk or unknown level of risk of extinction | Roswitha Baumung | II |
| 2.a.1 The agriculture orientation index for government expenditures | Sangita Dubey | II |
| 2.c.1 Indicator of (food) price anomalies | Felix Baquedano | III |

GOAL



| Indicator | Focal Point | Tier |
|--|----------------------------------|------|
| 5.a.1 (a) Percentage of people with ownership or secure rights over agricultural land (out of total agricultural population), by sex; and (b) share of women among owners or rights-bearers of agricultural land, by type of tenure | Chiara Brunelli | III |
| 5.a.2 Percentage of countries where the legal framework (including customary law) guarantees women's equal rights to land ownership and/or control | Marta Osorio | III |
| 6.4.1 Change in water use efficiency over time | Jippe Hoogeveen | III |
| 6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources | Jippe Hoogeveen | II |
| 12.3.1 Global food loss index | Carola Fabi | III |
| 14.4.1 Proportion of fish stocks within biologically sustainable levels | Yimin Ye | I |
| 14.6.1 Progress by countries in the degree of implementation of international instruments aiming to combat illegal, unreported and unregulated fishing | Rebecca Metzner | III |
| 14.7.1 Sustainable fisheries as a percentage of GDP in small island developing States, least developed countries and all countries | Kim Friedman | III |
| 14.b.1 Progress by countries in adopting and implementing a legal/regulatory/policy/institutional framework which recognizes and protects access rights for small-scale fisheries | Nicole Franz | III |
| 15.1.1 Forest area as a percentage of total land area | Thais Juvenal | II |
| 15.2.1 Progress towards sustainable forest management | Thais Juvenal | II |
| 15.4.2 Mountain Green Cover Index | Rosa Laura Romeo | II |

ENVIRONMENT STATISTICS: CAPACITY DEVELOPMENT



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Capacity development activities

- Interaction with **country focal points** for the different domains (Min. Agriculture, NSOs, Other Agencies)
- Support to improve core and analytical environmental statistics and **strengthen capacities** of national statistical institutions, adopting a Phased approach
- Development of **standards and ongoing refinement** of associated metadata and methodological notes
- **IICA, AFCAS, APCAS**: Regional Statistical Commissions (Latin and Central America, Africa and Asia-Pacific) are an essential part of the country-driven process towards improved statistics in cooperation with FAO



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Questionnaires response rate

| FAO Official Name Fertilizers | Sub region | Appears in FAOSTAT | Questionnaires Received = 1, not received = 0; enter questionnaire total for World | | | | | | | |
|---|----------------|-----------------------|--|---------|---------|------|------|------|---------|---------|
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
| Kenya | Eastern Africa | TRUE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Rwanda | Eastern Africa | TRUE | 0 | 0 | 0 | 0 | 0 | 0 | notsent | notsent |
| United Republic of Tanzania | Eastern Africa | TRUE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Uganda | Eastern Africa | TRUE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Land Use Sudan | Eastern Africa | TRUE | notsent | notsent | notsent | 0 | 0 | 0 | 1 | 0 |

| FAOCode | M49Code | Name | Count "Not dataset" | Count "1" & "0" | Quest sent (Y/N) | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---------|---------|---------|---------------------|-----------------|------------------|------|------|------|------|------|------|------|------|------|------|
| 29 | 108 | Burundi | 0 | 6 | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 | 404 | Kenya | 0 | 6 | Y | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

| FAOCode | M49Code | Name | Count "Not dataset" | Count "1" & "0" | Quest sent (Y/N) | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---------|---------|-----------|---------------------|-----------------|------------------|------|------|------|------|------|------|------|
| 29 | 108 | Burundi | 0 | 6 | Y | | 1 | 0 | 0 | 1 | 0 | 0 |
| 114 | 404 | Kenya | 0 | 6 | Y | | 0 | 0 | 0 | 0 | 0 | 0 |
| 184 | 646 | Rwanda | 0 | 6 | Y | | 0 | 1 | 1 | 1 | 1 | 1 |
| 215 | 834 | United Re | 0 | 6 | Y | | 0 | 0 | 0 | 0 | 0 | 0 |
| 226 | 800 | Uganda | 0 | 6 | Y | | 0 | 0 | 0 | 0 | 0 | 0 |



Focal Points

| Fao Official Name | Institution/ Office | Department | Fertilizer | Land | Pesti cide | Grand Total |
|-----------------------------|--|-------------------------------------|------------|------|---------------|-------------|
| Burundi | Institut géographique du Burundi (IGEBU) | | | 1 | | 1 |
| Kenya | Kenya National Bureau of Statistics | Kenya National Bureau of Statistics | 1 | 1 | | 2 |
| Rwanda | Ministère des | | | | | |
| Uganda | Statistics House | Uganda Bureau of Statistics | 1 | | | 1 |
| United Republics of Tazania | Ministry of Agriculture & Food Security | Plant Health Services | | | 1 | 1 |



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African Commission on Agricultural Statistics

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Food security

Food balance sheets

Production and trade

World census of agriculture

Classifications and standards

Capacity development

Meetings and events

APCAS

AFCAS



- › Provisional agenda
- › Provisional programme

Related links

- › CountrySTAT
- › FAO Regional Office for Africa

Contact

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P.O. Box 1628
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Tel.: (+233-302) 675000
Ext. 2605
Fax: (+233-302) 668497

African Commission on Agricultural Statistics - 24

1 - 4 December 2015, Kigali, Rwanda

AFCAS brings together senior statistics officials from FAO member countries of the African continent, who are responsible for the development of agricultural statistics in their respective countries. They review and exchange ideas on the state of food and agricultural statistics in the continent and advise member countries on the development of their agricultural statistical systems within FAO's programme of Work and Budget for Africa.

#afcas24



Hiroshi K
@hkame2015
#afcas24

26 Feb

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Statistics

International workshop on statistics on N input from livestock manure: Estimating availability and use

30 November 2015, Kigali, Rwanda

The Statistics Division (ESS), the Agricultural Production and Plant Production and Protection Division (AGP) and the Animal Production and Health Division (AGA) of FAO organize a regional workshop on the estimation of statistics on N inputs from livestock manure, as part of its capacity development efforts towards improved

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World census of agriculture

Classifications and standards

Capacity development

Meetings and events


APCAS

AFCAS

ICAS

IICA

Publications



Related links

- › System of Environmental-Economic Accounting
- › SEEA Central Framework
- › Current version of the SEEA Agriculture
- › Estimating Greenhouse Gas Emissions in Agriculture

Documents

- › Agenda
- › Participants

Acknowledgements

World Bank

Ademola Braimoh
Senior Natural Resources Management Specialist

Joseph Oryokot
Senior Agricultural Specialist

Grace Obuya
Agricultural Specialist

Christine Heumesser
Economist

Jane Nalunga
Agricultural Economist

Damalie Nyanja
Program Assistant

FAO

Francesco N. Tubiello
Senior Statistician

Carl Obst
Environmental Economic

FAO and World Bank join forces for capacity development in Uganda

Training on Environmental Economic Accounting and Greenhouse Gas Emissions

15 - 17 April 2016, Kampala, Uganda

A workshop jointly organized by FAO and the World Bank took place in Kampala, Uganda on Apr 15-17 2016, for a training on Environmental and Economic Accounting and GHG emissions. The workshop gathered 23 participants from the Ministries and National Agencies primarily involved in the development of Uganda agricultural and environmental statistics and national environmental and economic accounts.

Capacity development updates:

english

Statistics



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- Statistics home
- Economic
- Investment
- Environment
- Food security
- Food balance sheets
- Production and trade
- Classifications and standards
- Capacity development
- Meetings and events
 - APCAS
 - AFCAS
 - ICAS
 - IICA
- Publications



Piloting SEEA Agriculture, Forestry and Fisheries in Uruguay

Exploring Synergies with the World Bank WAVES Programme

20–24 February 2017, Montevideo, Uruguay

FAO experts joined forces with a World Bank team to provide training on national accounts and joint environmental-economic analysis to national experts in Uruguay. The context was a five day workshop on Green Growth, which offered the opportunity to share experiences, challenges and opportunities through working meetings on nutrient modeling, environment accounting, policy instruments for environment management, and Natural Capital Accounting.

FAO provided support to the Green Growth Workshop, focusing in particular on the organization and conduction of a one-day training on the System of Environmental Economic Accounting for Agriculture Forestry and Fisheries (SEEA AFF) and its links with the Wealth Accounting and Valuation of Ecosystems Services (WAVES). Over 40 national participants from Ministries of Agriculture, Environment, Economy and the Central Bank were introduced to the concepts of natural capital accounting and discussed national needs towards improved production of statistics and analyses in support of evidence based decision making.

Related links

- FAO environment statistics
- World Bank WAVES programme
- System of Environmental-Economic Accounting for Agriculture Forestry and Fisheries

Documents

- Agenda

Photo



<http://www.fao.org/economic/ess/environment/capacitydevelopment/en/>

Conclusions

- FAO collects, analyzes and disseminates environment statistics from its member countries
- FAOSTAT data support FDES core statistics at Tier 1 and can thus be used to support country analysis
- FAO maintains a direct dialogue with national statistical agencies that can inform on specific data reporting gaps and associated capacity development needs



Food and Agriculture Organization
of the United Nations

THANK YOU !

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