



ASIA AND PACIFIC COMMISSION ON AGRICULTURAL STATISTICS

TWENTY-SIXTH SESSION
Thimphu, Bhutan, 15-19 February 2016
Agenda Item 6.1
Sustainable Development Goals (SDGs) in Agriculture Sector: Indian Outlook

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Sustainable Development Goals (SDGs) in Agriculture Sector: Indian Outlook

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Background

- In September 2015, United Nations adopted the Document titled '***Transforming Our World: 2030 Agenda for Sustainable Development.***
- To facilitate above, a set of global **Sustainable Development Goals** for the next 15 years i.e., up to 2030 are being developed.
- There are 17 universal Sustainable Development Goals (SDGs) containing **169 Targets**.
- Being devised through integration and balancing of three dimensions of sustainable development viz; **Economic, Social and Environmental**.

The task at hand

- **Identification of suitable Statistical Indicators for global and national (sub-national) monitoring of SDGs**

Criteria for Selecting Global Indicators

- **Relevancy** with the target
- **Feasibility** in relation with official data and estimation
- **Measurability** in terms of statistical measurement
- **Accessibility** in terms of easy communication and easy understanding
- **Transparency** - consultation with stakeholders in developing global indicators

Principles of Adoption of Indicators for Monitoring SDGs

- Indicators must directly respond to the goals and targets
- Must cover all targets, including targets on means of implementation;
- Must maintain balance achieved, and should not introduce any new or contentious issues;
- The number of indicators should be limited and should include multi-purpose indicators that address several targets at the same time

SDGs in Agriculture & Allied Sector: Indian Outlook

Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

- **Target 2.3:** By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

Target 2.3 contd...

- **Indicator proposed (i):** Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size.
- **Data availability:** Total volume of output per labour unit can be compiled.
- **Indicator proposed (ii):** Total Factor Productivity
- **Data availability:** Total Factor Productivity can be compiled.

Goal 2 Contd...

- **Target 2.4:** By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adoption to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.

Target 2.4 Contd...

- **Indicator proposed (i):** Percentage of agricultural area under sustainable agricultural practices.
- **Data availability:** Area under sustainable agricultural practices is not being monitored separately.
- **Indicator proposed (ii):** Percentage of agricultural households using irrigation systems compared to all agricultural households.
- **Data availability:** Data is available on Operational Holders on quinquennial basis through Agriculture Census.

Target 2.4 Contd...

- **Indicator proposed (iii):** Percentage of agricultural households using eco-friendly fertilizers compared to all agricultural households using fertilizers.
- **Data availability:** Data on percentage of Operational Holders using organic manures is available on quinquennial basis through Agriculture Census.

Goal 2 Contd...

- **Target 2.5:** 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.

Target 2.5 Contd.....

- **Indicator proposed (i):** Ex Situ Crop Collections Enrichment Index.
- **Data availability:** Data on simplified indicators such as number of varieties released/notified are available.
- **Indicator proposed (ii):** Percentage of local crops and breeds and their wild relatives, classified as being at risk, not-at-risk or unknown level of risk of extinction.
- **Data availability:** Data on percentage of local breeds classified as being at risk, not-at-risk or unknown level of risk of extinction are available.

Goal 2 Contd...

- **Target 2.a:** Increase investment, including through enhanced international cooperation in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries.
- **Indicator proposed:** The Agriculture Orientation Index (AOI) for Government Expenditures.
- **Data availability:** Data on Government Expenditures on agriculture and Investment in agriculture as share of over all GDP are available.

Goal 2 Contd...

- **Target 2.b:** Correct and prevent trade restrictions and distortions in world agricultural markets, including through the parallel elimination of all forms of agricultural export subsidies and all export measures with equivalent effect, in accordance with the mandate of the Doha Development Round.

Target 2.b Contd.....

- **Indicator proposed (i):** Agricultural Export Subsidies.
- **Data availability:** Data are available with Department of Commerce, Gol.
- **Indicator proposed (ii):** Percentage change in Import and Export tariffs on agricultural products
- **Data availability:** Data are available with Ministry of Finance, Gol.

Goal 2 contd...

- **Target 2.c:** Adopt measures to ensure the proper functioning of food commodity markets and their derivatives and facilitate timely access to market information, including on food reserves, in order to help limit extreme food price volatility.
- **Indicator proposed:** Indicator of (food) Price Anomalies (IPA).
- **Data availability:** Data on wholesale and retail prices and indices of food commodities are available.

Thanks