

Communication and Advocacy for Agriculture and Rural Statistics

A country presentation of Bangladesh

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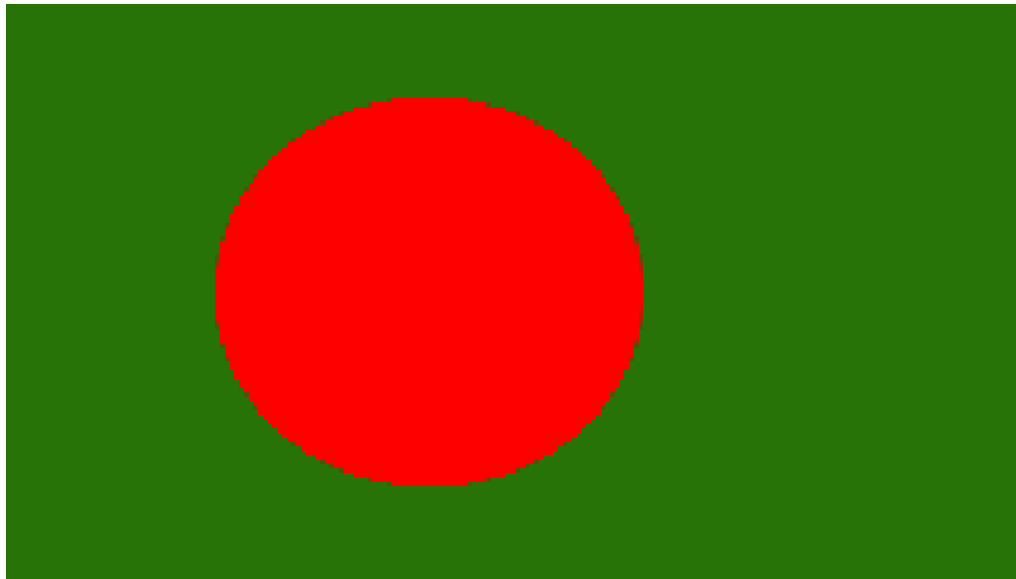
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National Flag of Bangladesh



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Background

- Bangladesh emerged as independent and sovereign country in 1971
- The parliamentary form of government is in force in the country
- The total area of the country is 1,47,570 sq. km.
- The total population of the country is 160.81 million as on 06.06.2016
- Life Expectancy at birth 70.7
- Current GDP 7.05 % (P)
- Mean age at first marriage 25.2
- Total Fertility Rate (TFR) 2.11
- Growth Rate of Population 1.37

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National Statistical System

Ministry of Planning

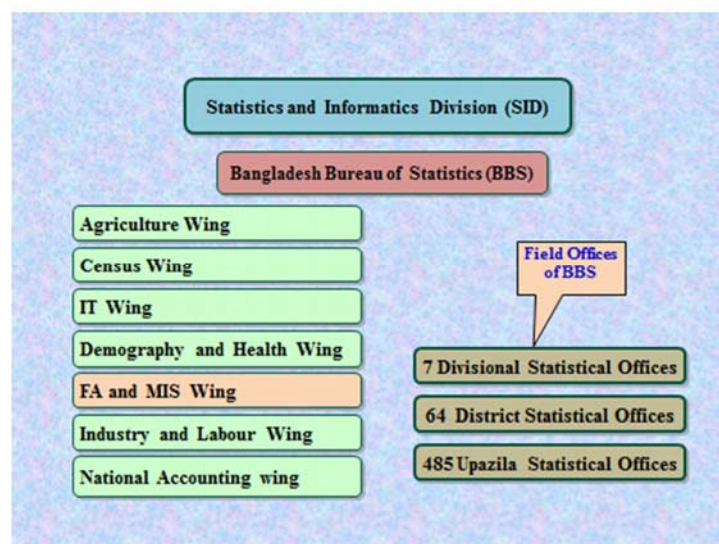
- Planning Division
- Statistics and Informatics Division (SID)
- Implementation, Monitoring and Evaluation Division (IMED)

The statistical system is centralized in Bangladesh

- ❖ Bangladesh Bureau of Statistics (BBS) established in 1974
- ❖ BBS is working under SID of Ministry of Planning

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National Statistical System



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Legal Mandate

Statistics Act, 2013

Agriculture statistics mentioned in different sections–

Section–6 (Ga)– Population census, agriculture census, fisheries and livestock census, economic census and survey programmes

Section–6(Dha)–Land use statistics , annual crop production statistics....



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Key Agricultural Statistics in Bangladesh

- ▶ Bangladesh is basically an agrarian country
- ▶ Total farm holding: 15.18 million
- ▶ Net cultivated area: 77.28 million hectares
- ▶ Temporary crops net area: 71.51 million hectares
- ▶ Intensity of cropping: 173%
- ▶ Annual Production of food (Rice+wheat): 36.06 million metric ton (2014–15)
- ▶ Production of many other Crops, Fish, Livestock and poultry are also important.
- ▶ 47% labour force is engaged in agriculture sector
- ▶ Contribution of agriculture sector to GDP is around 17%.



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Area and Production of five major crops

Year (Production in lac M. Ton)	Aus	Aman	Boro	Total Rice	Wheat	Potato
2011-12	23.32	127.98	187.59	338.89	9.95	82.05
2012-13	21.58	128.97	187.78	338.33	12.55	86.03
2013-14	23.26	130.23	190.07	343.56	13.02	89.50
2014-15	23.28	131.90	191.92	347.10	13.47	92.54

Year (Area in lac Hectare)	Aus	Aman	Boro	Total Rice	Wheat	Potato
2011-12	11.38	55.80	48.10	115.28	3.58	4.30
2012-13	10.53	56.10	47.60	114.23	4.17	4.44
2013-14	10.51	55.30	47.90	113.71	4.30	4.62
2014-15	10.45	55.31	48.40	114.16	4.36	4.71

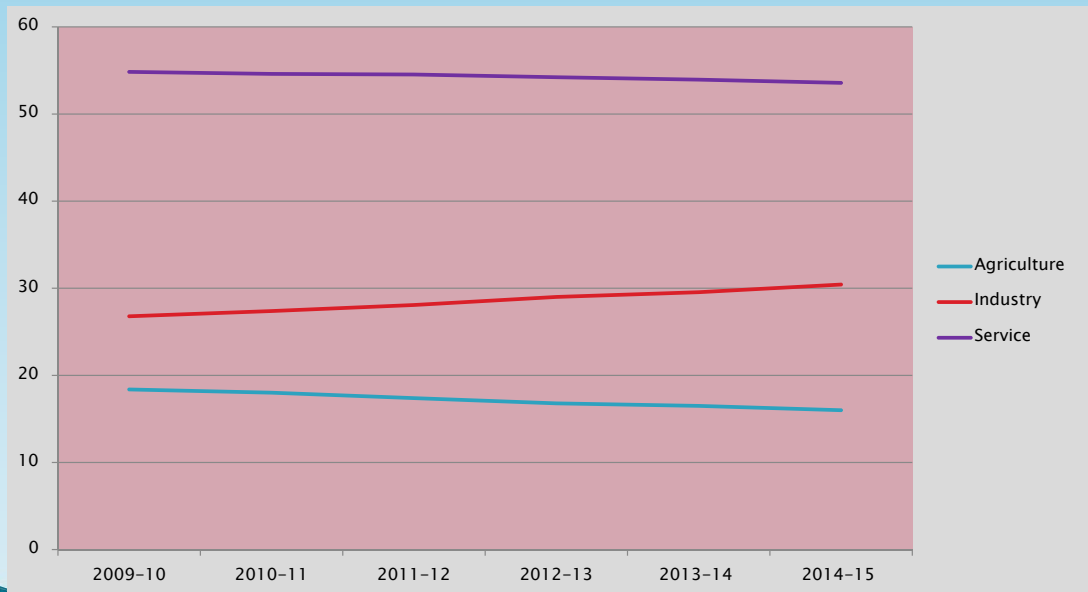
Contribution of Agriculture Sector to Bangladesh Economy (Base:2005-06)

GDP at constant price (share in %)	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Agriculture	18.38	18.01	17.38	16.78	16.50	16.00
Industry	26.78	27.38	28.08	29.00	29.55	30.42
Service	54.84	54.61	54.54	54.22	53.95	53.58

GDP at constant price (Growth, %)	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Agriculture	6.15	4.46	3.01	2.46	4.37	3.33
Industry	7.03	9.02	9.44	9.64	8.16	9.67
Service	5.53	6.22	6.58	5.51	5.62	5.80

Contribution of Agriculture Sector to GDP

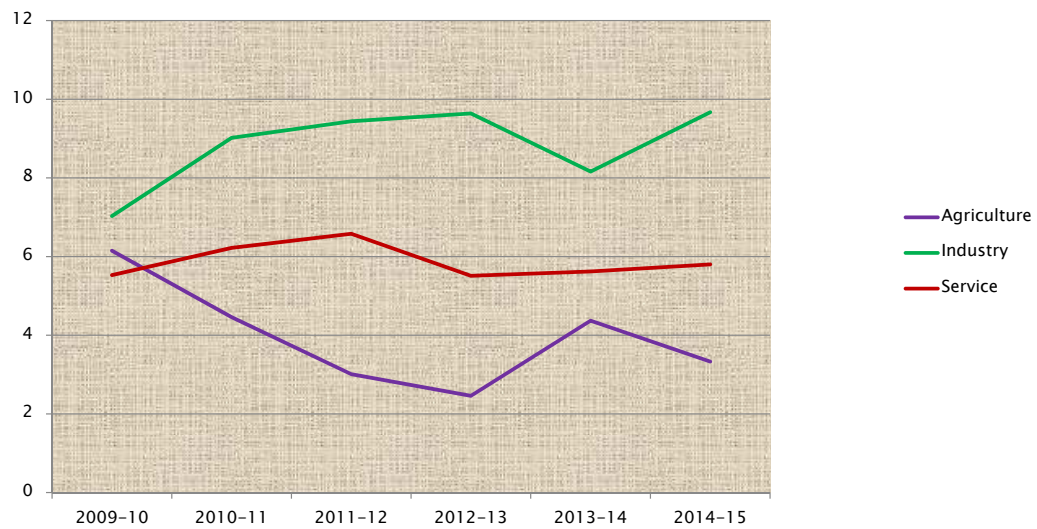
GDP at constant price (share in %)



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Contribution of Agriculture Sector to GDP

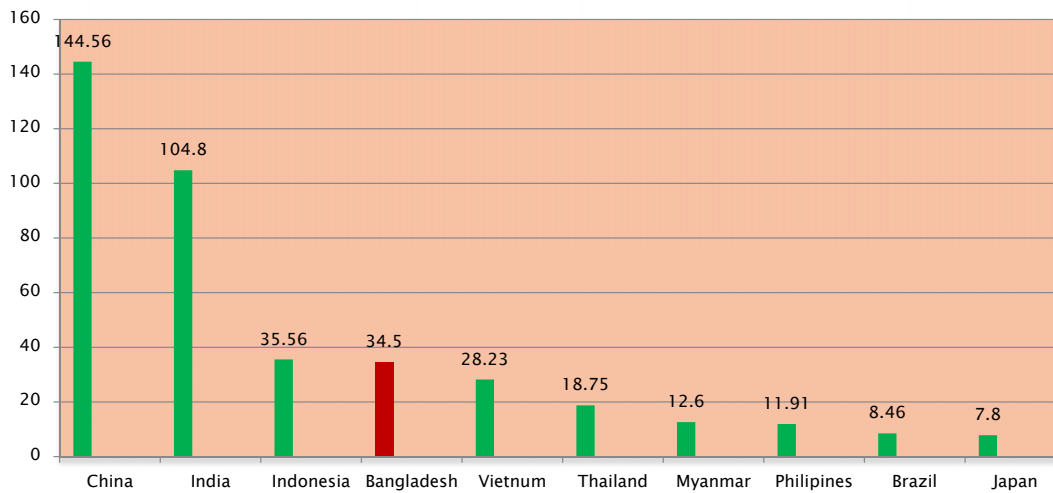
GDP at current price growth %



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Top ten rice Producing countries

Yearly production of rice In Million metric ton

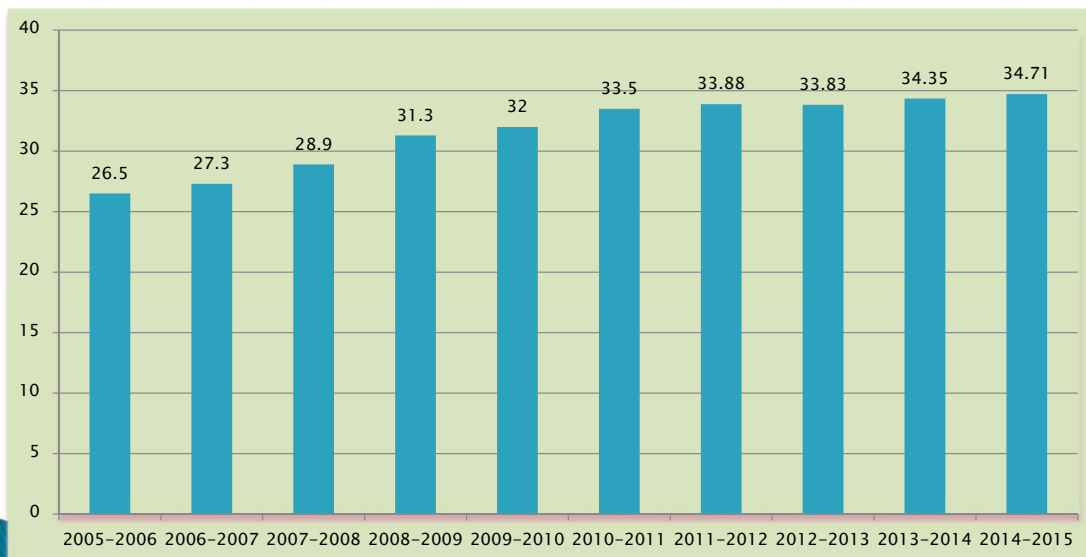


Source: Outlook, Economic Research Service. Updated 18 February 2016.

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Trend of rice production in last ten years (2005-1015) in Bangladesh

Per year total rice production in million metric ton



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Important Agriculture Statistics generated by BBS

- ▶ Cropped area (Gross and Net)
- ▶ Total Farm household
- ▶ Population of main livestock
- ▶ Annual crop production statistics
- ▶ Intensity of Cropping
- ▶ Price statistics of agriculture products
- ▶ Land use statistics
- ▶ Agriculture labor wage statistics
- ▶ Input costs statistics
- ▶ Cost of production statistics
- ▶ Water and Environment statistics related to agriculture

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Key Users of ARS

- ▶ Government Agencies
- ▶ Policy Makers
- ▶ Researchers
- ▶ Academicians
- ▶ BBS for calculation of GDP
- ▶ Stakeholders(Farmers/Local Representatives)
- ▶ National and International Development Partner
- ▶ Agriculture related National and International Organizations

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Use of AS in policy making

- ▶ Government is the main user of AS
- ▶ Import and Export Policy
- ▶ Setting priority and target for cultivation of specific crop
- ▶ Local level planning
- ▶ Market stability
- ▶ Research purpose (high yield variety of rice)
- ▶ To indentify the specific crop which needs to be subsidized
- ▶ Diversification of cropping pattern

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Process of Communication, Advocacy and Dissemination

- ▶ Conducting Census, survey, reserch activities etc. by Bangladesh Bureau of statistics and other Govt. and non Govt. Organization
- ▶ Stakeholder's meeting/Seminar/workshop etc.
- ▶ Using Elcetronic and print Media.
- ▶ Focus group discussion (FGD)
- ▶ Rapid Rural Appraisal (RRA)
- ▶ Participatory rural Appraisal (PRA)

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Dessimation Process & Practices

- ▶ Publications
(books, reports, booklets, leaflets, newsletter etc)
- ▶ Website (www.bbs.gov.bd).
- ▶ Discus in Divisional , District and Upazila Coordination Meeting with all departments and local elected public representatives
- ▶ Press Releases.
- ▶ Seminar/Workshop/Publication ceremony etc.
- ▶ Broadcasting (Radio/TV) etc.
- ▶ Using Print and Electronic Media
- ▶ Exchange official letter.
- ▶ National and Regional fair. Etc.


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Existing Data Generating System

Activities	Data Generated through	Periodicity	Source
Agriculture Census	Full Count	Decennial	BBS
Crop Production Statistics	Survey	Annual	BBS
Fisheries Statistics	Administrative data	Annual	Dept. of Fisheries
Livestock and Poultry	Extrapolated	Annual	BBS
Forestry	Extrapolated	Irregular	Dept. of Forestry and BBS


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Problems in Communication, Advocacy and Dissemination on ARS

- ▶ Reports published in English Language
 - ▶ Limited print copy
 - ▶ Limited budget allocation
 - ▶ Time lag among data collection, report publication and data dissemination
 - ▶ Low Coordination with other ministries/ departments /institutions related to agriculture
 - ▶ Some reports are not so user friendly
 - ▶ Web site are not so user friendly
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Problems in Communication, Advocacy and Dissemination on ARS (Cont.)

- ▶ Low participation of Electronic and Print Media
 - ▶ Lack of specific dissemination policy
 - ▶ Lack of skilled personnel
 - ▶ Lack of Statistical Training and Research Institute
 - ▶ Inadequate human resources
 - ▶ Inadequate knowledge of IT
 - ▶ Low Literacy Rate
 - ▶ Marginal and small farming
 - ▶ Weak Infrastructure in field level
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Steps should be taken

- ▶ Reports should be published in national/local language
- ▶ Number of printed copy should be increased
- ▶ Specific Budget allocation for communication, Advocacy & Dissemination purpose must be increased
- ▶ Time lag among data collection, report publication and data dissemination must be shortened
- ▶ Coordination with other ministries/ departments /institutions related to agriculture should be increased
- ▶ Reports should be more user friendly
- ▶ Web site design should be more user friendly
- ▶ Steps should be taken to increase participation of Electronic and Print Media in data dissemination

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Steps should be taken

- ▶ More home and abroad training should be arranged for BBS personnel
- ▶ Establishment of a separate Statistical Training Institute
- ▶ Infrastructure Development in field level is needed
- ▶ Literacy rate gradually increases (in 2011 it was 51.8% now it is around 60%), always education sector has given highest priority in allocation of national budget. It is on going process
- ▶ Proper Coordination among related departments has to be strengthened.
- ▶ To establish partnership with media.
- ▶ Specific dissemination policy should be included in each census or survey project proposal.

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Global Framework of Agriculture Statistics

Global Strategy to Improve Agriculture and Rural Statistics: Formulated by World Bank and FAO under the guidelines of UNSD which was endorsed by UNSC(41st session 2010).

Three Pillars:

- I. Enhancing capacities of the countries to produce a minimum set of core agricultural and rural statistics with desired quality and timeliness;
- II. Supporting integration of agriculture statistics into national statistical system; and
- III. Stability of Agricultural Statistics by Governance and statistical capacity building

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Development of Statistics in accordance with Global Initiatives

- ▶ Agriculture Statistics has been integrated to National Statistical System since 1974
- ▶ NSDS has been approved by the Cabinet where proper focus is given in the areas of agriculture statistics
- ▶ Statistics Act 2013 has enabled BBS to conduct Agriculture Census for broader sector like crop, livestock, fisheries and forestry
- ▶ Conducting In-depth Capacity Assessment (IdCA) on Agriculture and Rural Statistics by BBS & FAO
- ▶ Preparation of Strategic Plan for Agricultural and Rural Statistics -SPARS in 2016 (FAO support)

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Development of Statistics in accordance with Global Initiatives (Cont.)

- ▶ Application of remote sensing technology in producing Agricultural Statistics (Area for two major rice)
- ▶ Implementation of Agriculture Market Information (AMIS) Project to improve existing production estimation methodology.
- ▶ BBS arranged an International seminar on 25th and 26th may 2016 regarding AMIS, with support of FAO.
- ▶ Preparation of Food Balance Sheet (FBS) by BBS with support of FAO
- ▶ Compilation of Cost of Production Statistics of Important Crops

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Development of Statistics in Accordance with Global Initiatives (Cont.)

- ▶ Implementation of the Harmonization and Dissemination of Unified Agricultural Production Statistics project.

(New methodology has been given and implemented for yield estimation of rice)

	BBS	DAE	Harmonized at
Size of cutting area	100 sq. ft	215.278 sq. ft	215.278 sq. ft
Shape of cutting area	Circular	Rectangular	Circular

FAO is actively playing a vital role for improving Agriculture Statistics in Bangladesh

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IdCA activities in Bangladesh

- ▶ Assessment of existing infrastructure to produce agriculture statistics
- ▶ Determination of minimum set of core data item
- ▶ Evaluation of existing system of AS
- ▶ Find out critical constraints in AS system
- ▶ **SWOT** (Strengths, Weaknesses, Opportunities and Threats) Analysis
- ▶ Alignment of 7th FYP,SDGs and NSDS
- ▶ Address special issues



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Strategic Plan for Statistics

National Strategy for the Development of Statistics (NSDS)

NSDS was approved in the Cabinet on 28
October 2013

NSDS is a long term strategic plan (2013–2023)
prepared for the development of statistical
system of the country including agriculture
statistics



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Goals related to Agriculture Statistics in NSDS

SI number	Strategic Goals
Goal-1	Reviewing and Improving the Existing Methodology
Goal-2	Developing Crop Statistics using ICT
Goal-3	Compilation of Cost of Production Statistics of Important Crops
Goal-4	Improving different types of Important rural Agriculture Statistics
Goal-5	Compilation of Food Balance Sheet
Goal-6	Improvement of Non-crop Statistics

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Implementation Status of NSDS for Agriculture Statistics

- ▶ The first goal related to agriculture statistics will be fulfilled by AMIS project—improving current estimation methodology, improvement of forecasting system;
- ▶ Goal 4 has been already achieved through preparing Food Balance Sheet;
- ▶ A survey proposal has been submitted to provide more agricultural and rural statistics
- ▶ Non-crop statistics (Fisheries and livestock) will be developed after 2018 census (Agri. Census)

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Coordination with other Ministries regarding Agriculture Statistics

- ▶ An inter-ministerial committee on crop production statistics is working
- ▶ Crop cutting assessment of rice are done jointly by field officials of Bangladesh Bureau of Statistics (BBS) and Department of Agriculture Statistics (DAE)
- ▶ Satellite imageries provided by SPARRSO are used for area of Aman and Boro rice

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Conclusion

- ▶ ARS plays a vital role to formulate Government policy in achieving food security, reducing poverty, enhancing social safety net and to monitor the implementation status of the policy. Steps should be taken for effective and realistic strategy on communication and advocacy for ARS to fulfill the gaps between data producer and stakeholder or user for proper use of ARS for sustainable development .
- ▶ In spite of all the limitations Bangladesh Bureau of Statistics is working hard to provide Relevant, Accurate and timely data to the stakeholder in proper coordination with other line ministries/departments with the help of other National and International Organizations.

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Thank You
(Dhannobad)

