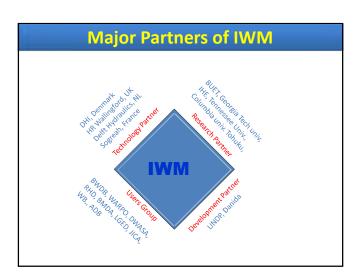


1. Secretary, MOWR - Chairperson 2. DG, BWDB 3. DG, WARPO 4. Chief Engineer, RHD 5. Chief Engineer, LGED 6. One Joint Secy/Joint Chief, Planning Commission 7. One Joint Secy, MoF 8. Chief Executive of an International Hydraulic Institute 9. Head of WRE of BUET 10. Chief Engineer DPHE 11. Chief Executive of an NGO 12. An individual with high repute

13. President, Institution of Engineers Bangladesh 14. Executive Director, IWM – Member Secretary

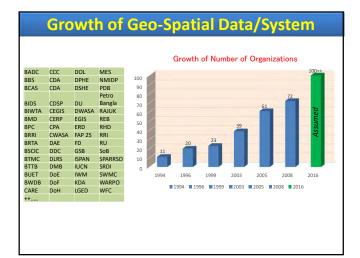




Areas of Service

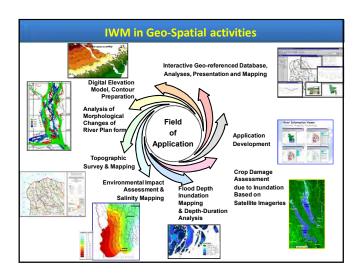
- Integrated Water Resource Management
- Flood Management, Irrigation Management
- Integrated Coastal Zone Management
- Port and Coastal Structure Management
- Estuary and Marine System Management
- Water Quality Investigation
- Geo-Spatial Analyses and ICT solutions
- Hydrogeological investigation
- EIA, SIA
- Climate Change & Adaptation
- Training & Technology Transfer

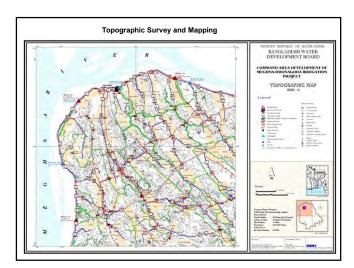


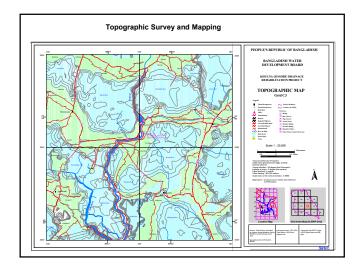


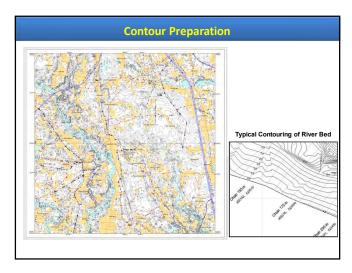
Some use of Geo-Informatics in Bangladesh

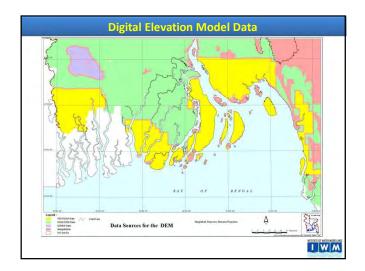
Where IWM contributed

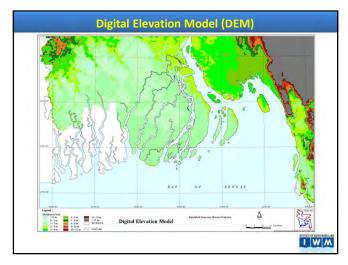


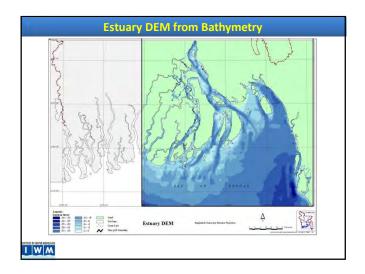


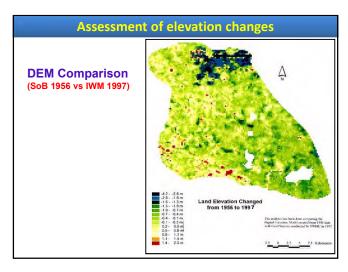


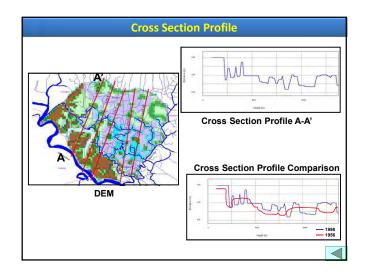


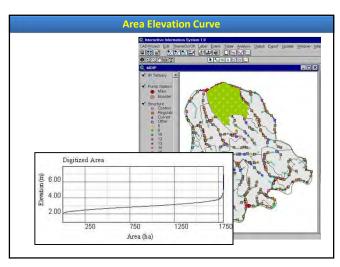


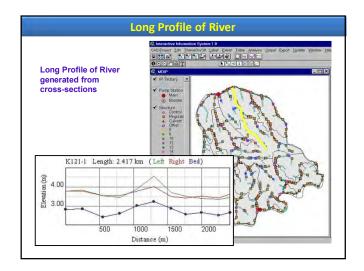


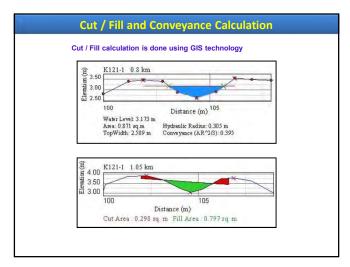


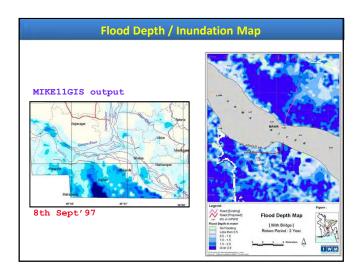


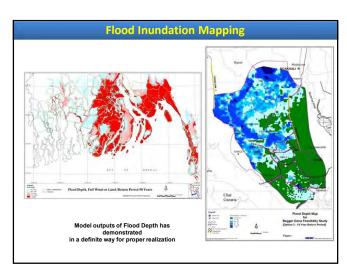


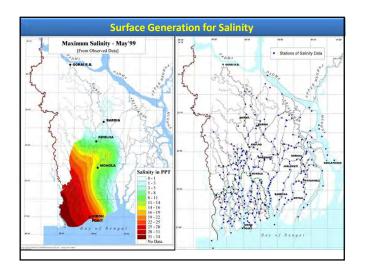


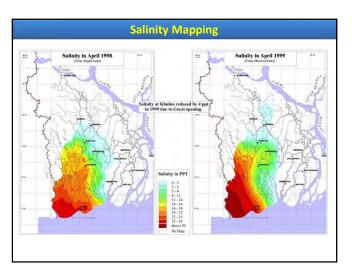


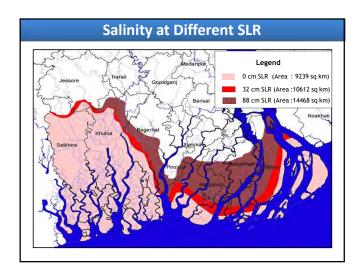


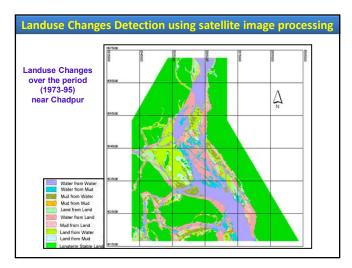


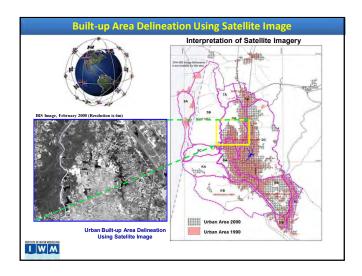


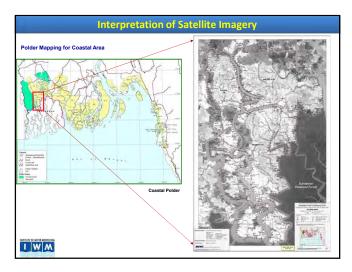


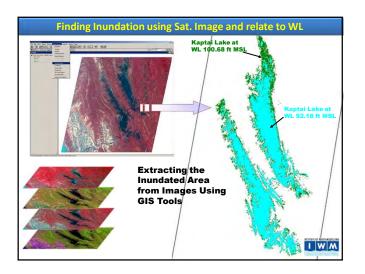


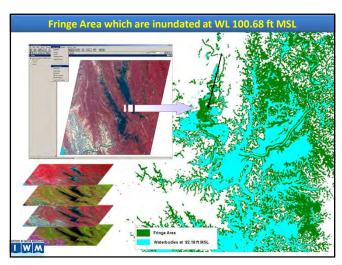


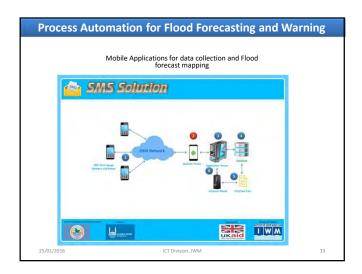


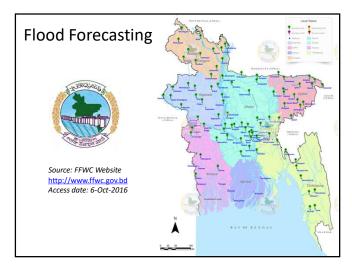












Geo-Spatial Data Capturing

- Manual Survey
- Digital Survey
- Satellite Images
- Aerial Photograph
- UAV/Drone

IWM provides following Supports in the field of Geomatics Surveying

- a) Establish Geodetic Control Points
- b) Topographic Survey and Mapping for Urban are/Irrigation Projects etc.
- c) Engineering Route survey for Railway, Road, Embankment
- d) Use Remote sensing for Rural and Urban area
- e) Satellite-based Global Positioning
- f) Hydrographic/Bathymetric Survey in Marin and Inland Rivers

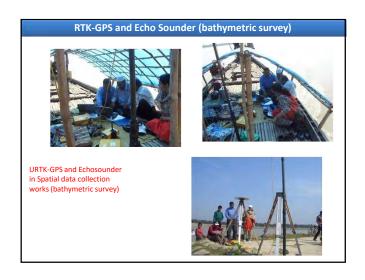
IWM use Equipment for Geomatics surveying

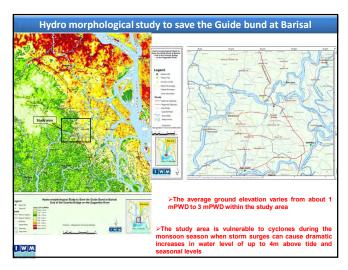
- Trimble SPS 855 GNSS Receiver
- Ashtech ProFlex 500 GNSS Receiver
- ❖ Ashtech Pro Mark 200 GNSS Receiver
- Trimble 4000 ssi GPS Receiver
- ❖ Trimble S5 Robotic Total Station
- Trimble M3 Mechanical Total Station
- SOKKIA Total Stations (Model- 550X, 550RX, 230R, SET 620 etc.)
- SOKKIA Digital Level DL-30

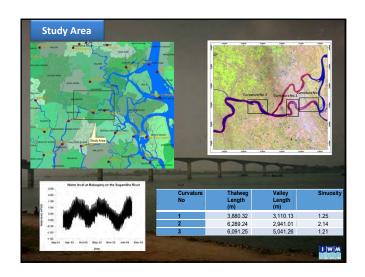


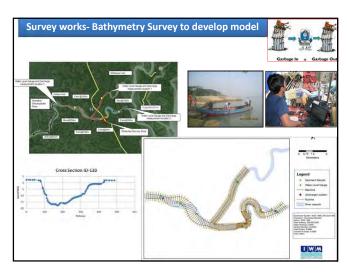


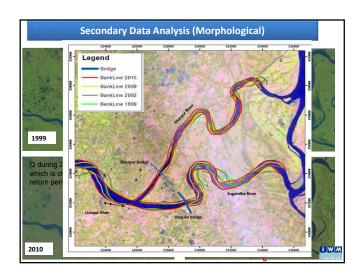


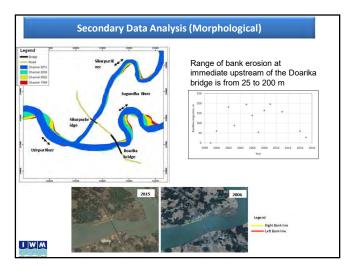


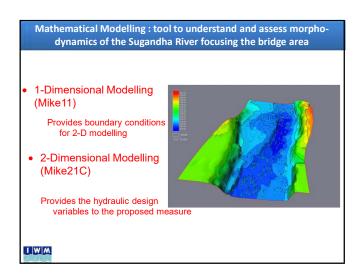


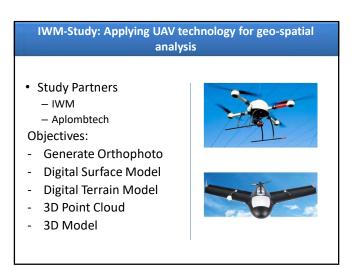


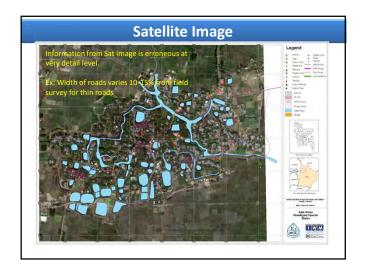




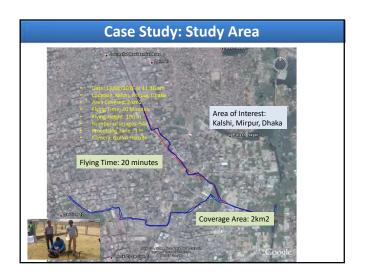


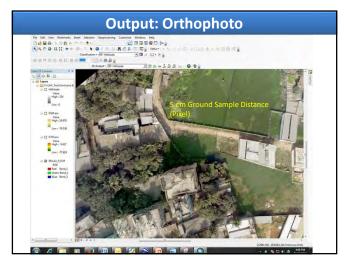


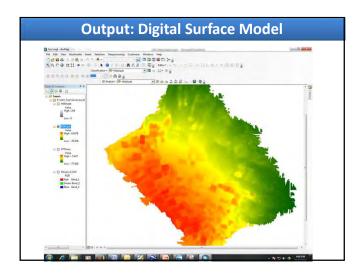


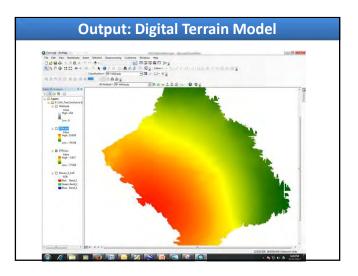


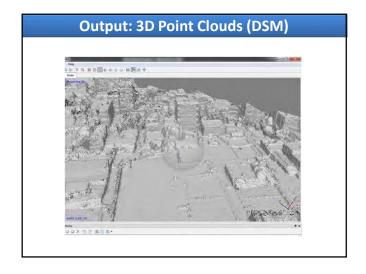


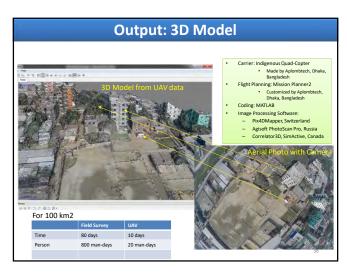


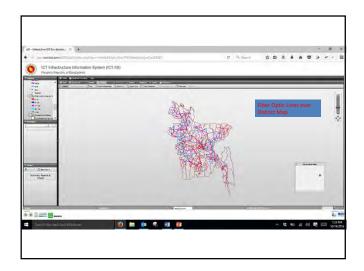


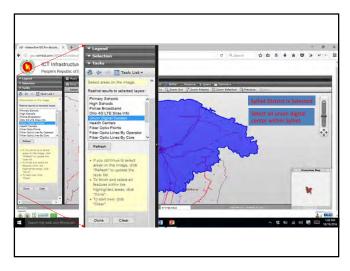


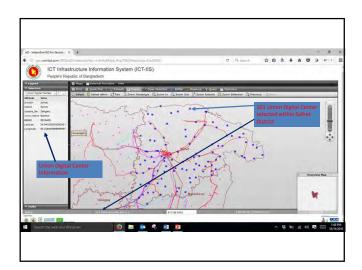


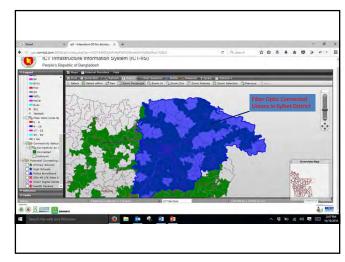


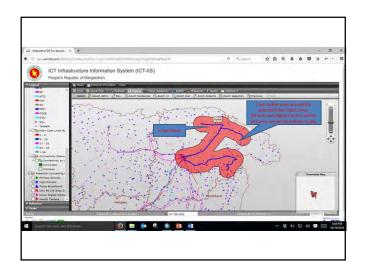




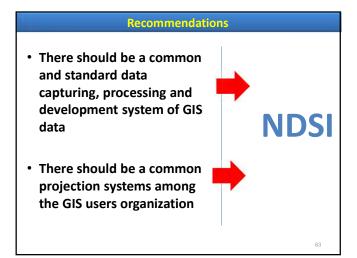


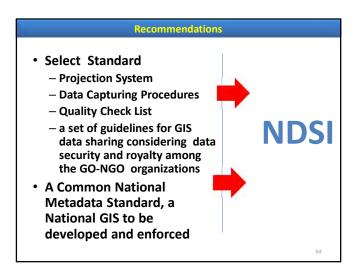










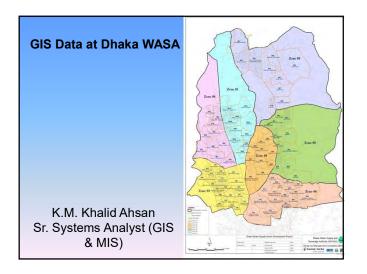


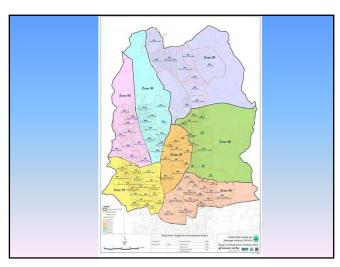
IWM participation

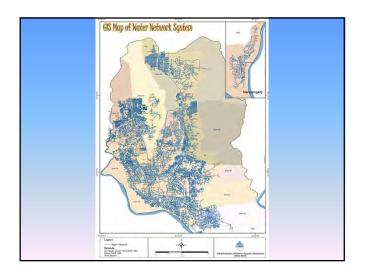
- IWM is a Govt. Trust under the Ministry of Water Resources
- IWM prepare and generate data for different projects
- IWM retains huge quantity of GoB data
- The data are maintained under the restriction of contract clauses
- IWM would be a good user of NDSI
- IWM could
 - Support NSDI with
 - Knowledge, Experiences, Technical support gained over decades
 - Data
- IWM also has the ability to participate in NSDI development, if required
- IWM is a sustainable, dependable and trusted organization by the GoB

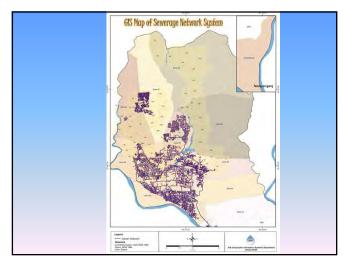
66

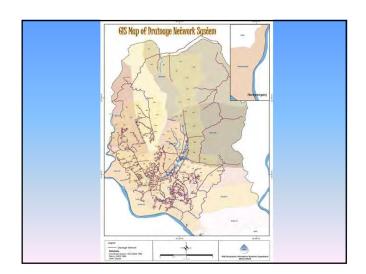
Thank You

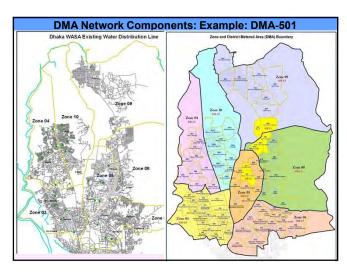


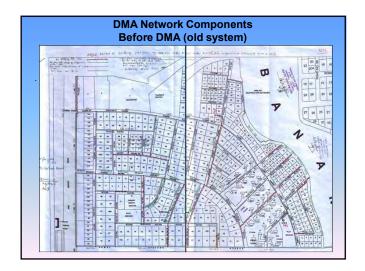


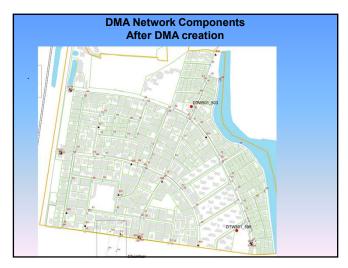


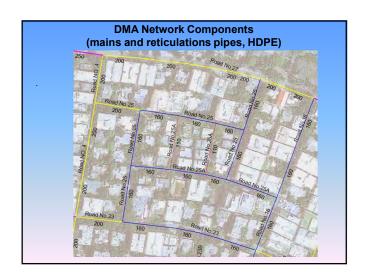


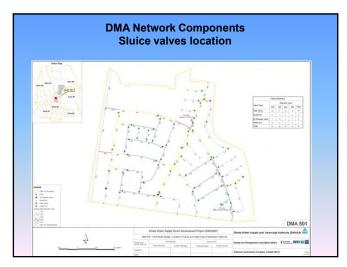


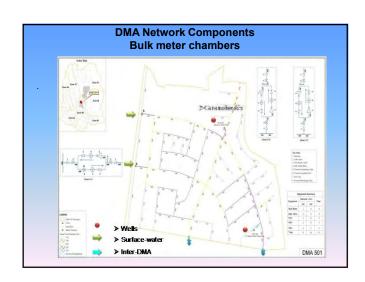


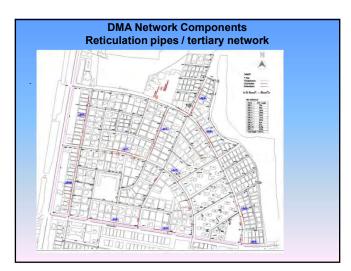


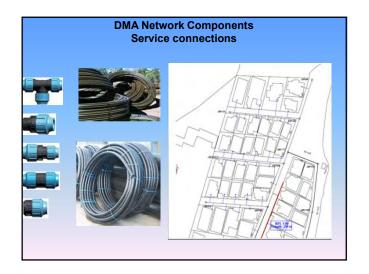


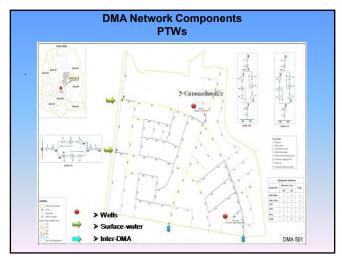


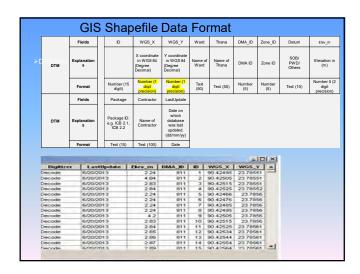


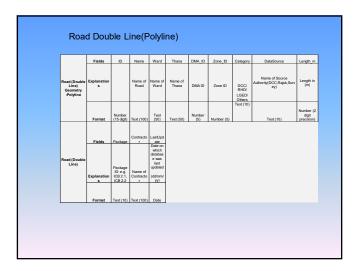


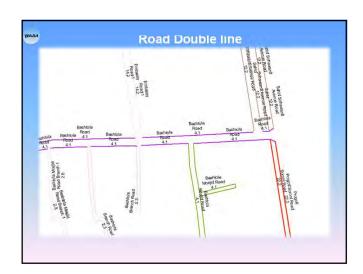


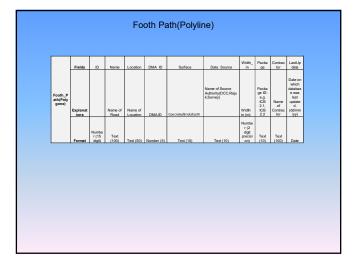


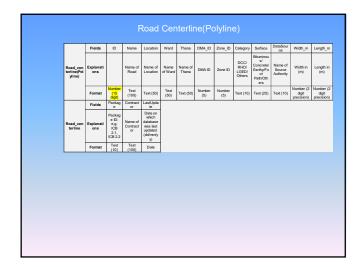


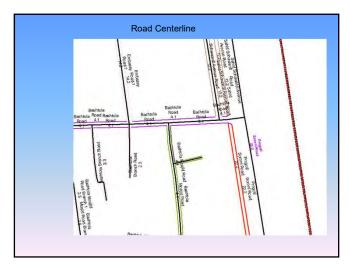


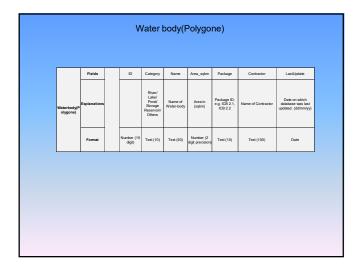


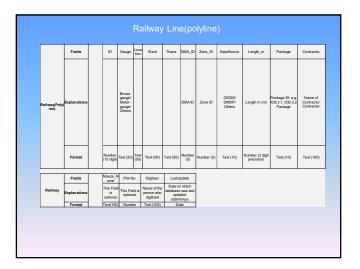


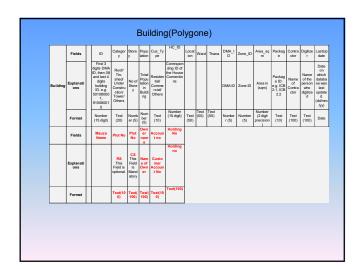


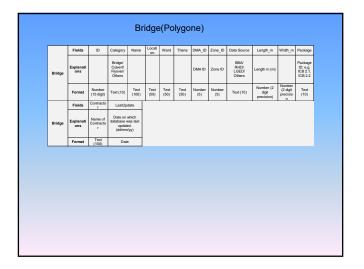




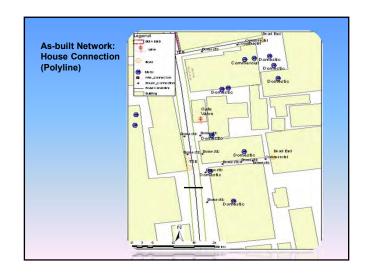


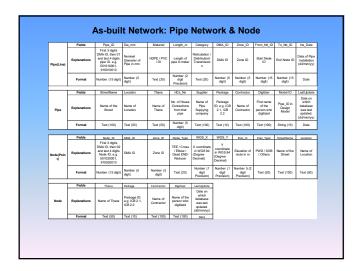


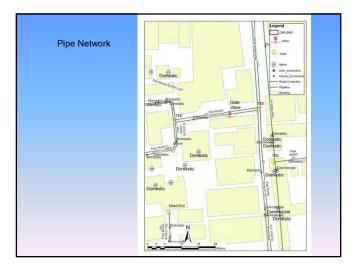


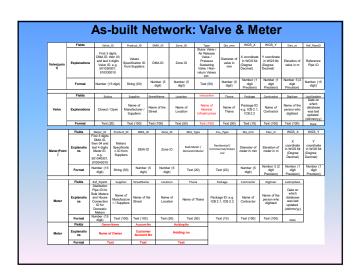


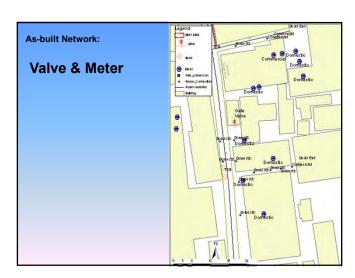
	Fields	HC_ID First 3 digits	Meter_ID	DMA_ID	Zone_ID	Owner_Name	Account_No	Address	Cell_Phone	Ref_PipeID	Dia_mm
House Connecti on	Explanatio ns	DMA ID, then 05 and last 4 digits Service Connection ID. e.g. 501050001, 910050010	Reference Domestic Meter ID	DMA ID	Zone ID	Name of the Owner	Customer Account No.	Holding No. and Address of the Owner	Mobile No.	Reference Distribution Pipe ID	Diameter of house connectio pipe line in mm
	Format	Number (15 digit)	Number (15 digit)	Number (5 digit)	Number (5 digit)	Text (100)	String (100)	Text (100)	Number (15 Digit)	Number (15 digit)	Number (5 digit
	Fields	Building ID	Cus Type	Length_m	FV elev m	FV L m	WGS X	WGS Y	Elev m	StreetName	Location
House Connecti on	Explanatio ns	ID of the Building in shape files	Residential/ Commercial/Ind ustrial	Length of House Connection Pipe	Elevation of Float Valve (FV) in m.	Length of pipe, connected from domestic meter up to FV, in m.	Main line cornection point X coordinate in WGS 84 (Degree Decimal)	Main ine connectio n point Y coordinat e in WGS 84 (Degree Decimal)	Elevation of house connection pipe at corresponding junction in m	Name of the Street	Name of Location
	Format	Number (5 digit)	Text (20)	Number(Upto two digit precisions)	Number(Upto two digit precisions)	Number(Upto two digit precisions)	Number (1 digit Precision)	Number (1 digit Precision)	Number 5 (2 digit Precision)	Text (100)	Text (50)
								•			
House Connecti on	Fields Explanations	Name of Thana	Package ID: e.g. ICB 2.1, ICB 2.2	Name of Contractor	Name of the person who digitized	Date on which database was last updated (dd/mm/yy)					
	Format	Text (50)	Text (10)	Text (100)	Text (100)	Date					

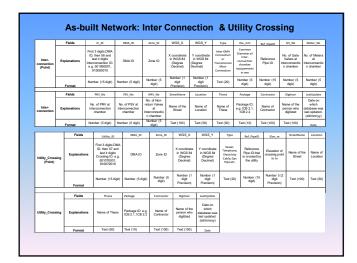




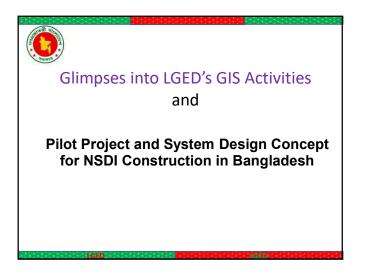


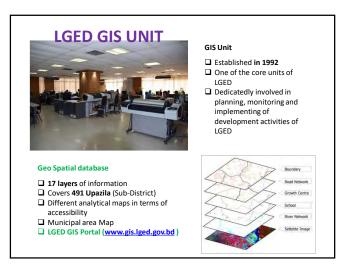


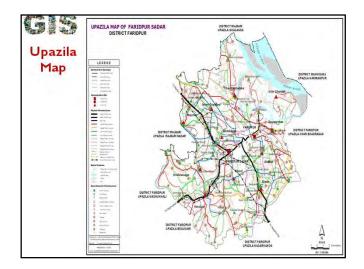


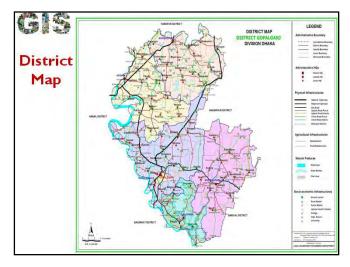


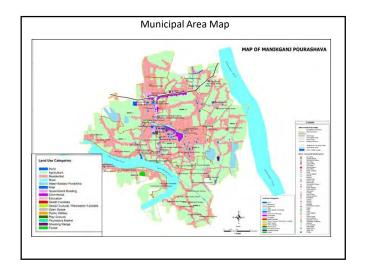
Projection System GEOGRAPHIC kept in all Shapefile & Satellite Image



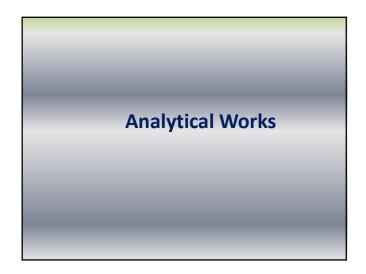


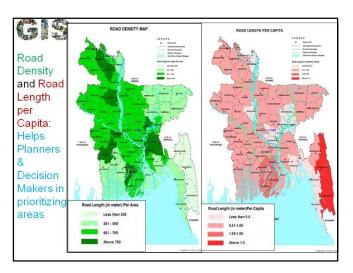


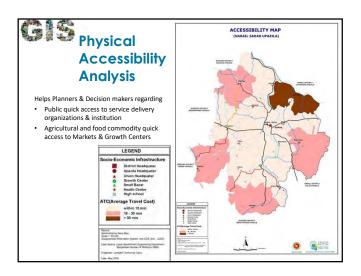


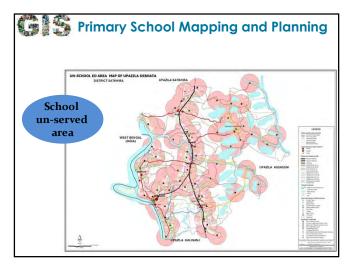


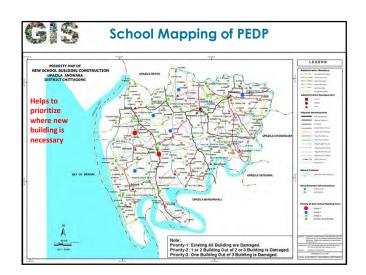


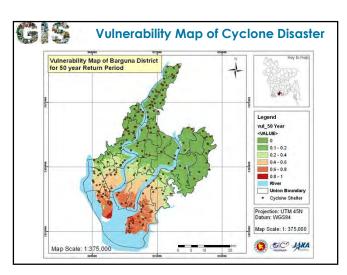


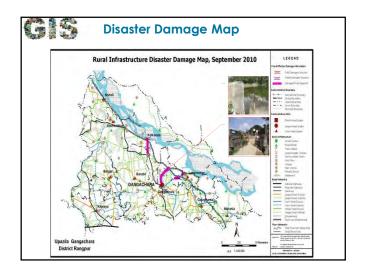


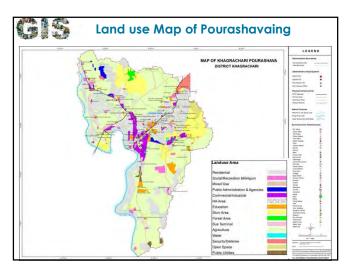




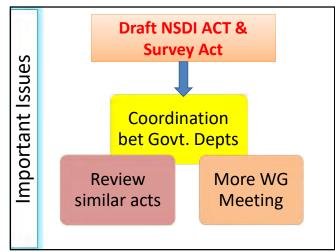


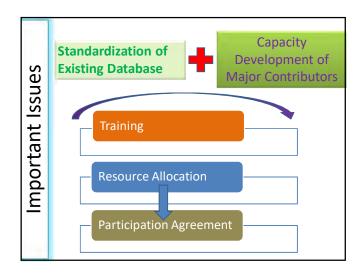


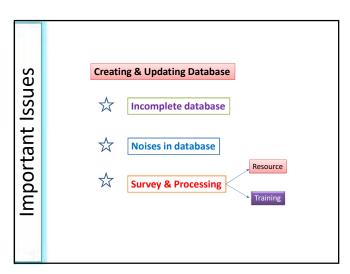












Roadmap to NSDI

Legal Framework- WG to be involved in every activity.

-Data policy & formulation of guideline may be started earlier

Geographic Information Standards: In study, research & creation of domestic standard LGED & WG may be involved

Topographical Map in Other Cities: LGED can play vital role in the preparation of this large scale map

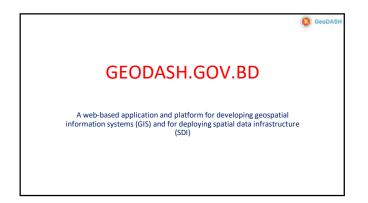
IT SERVICES: In Construction & demonstration of administrative information provision system regarding disaster prevention & environment, LGED may be involved

HRD/Technology Dev./Promotion/New Industry Dev: In Examination & dissemination in Local Government Intitutions' Work, LGED can play significant role.

Data Sharing Policy:

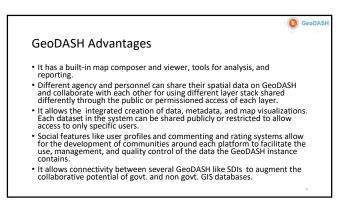
- Data should be given to other Government organization free of cost.
- Fees may be taken from non-government organization











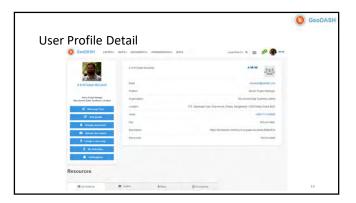
Some Live Example Location of Educational Institutions in Bangladesh + Extreme Poverty Map of Bangladesh Dhaka Road System + Dhaka Schools (to see the accessibility of Schools in Dhaka) Dhaka Population Literacy Rate + Dhaka Schools Dhaka Hospitals + Dhaka Population 2011 (see the distribution of hospitals against population density) Flood Affected Upazilas in 2015 + Absolute Poverty map of Bangladesh

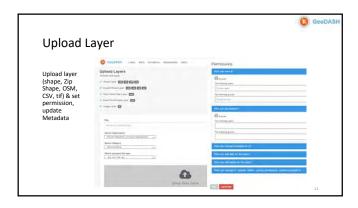




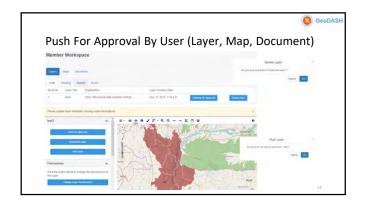


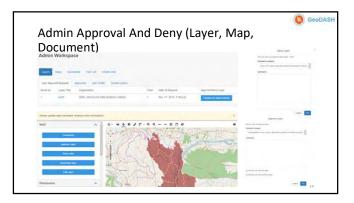


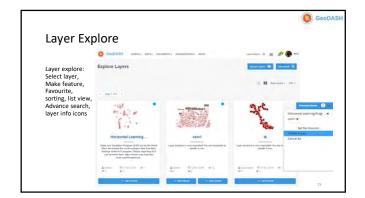


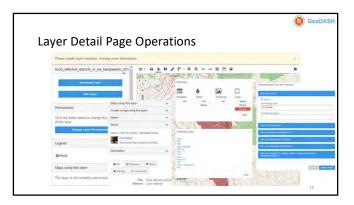


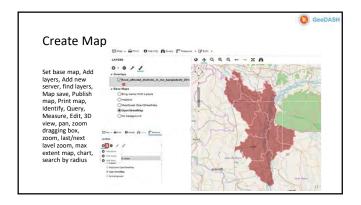




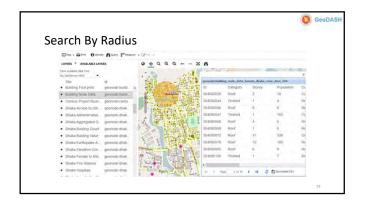


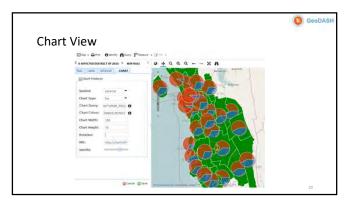


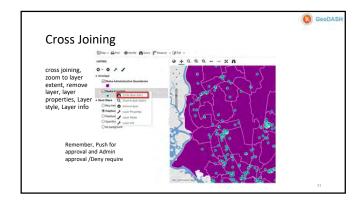


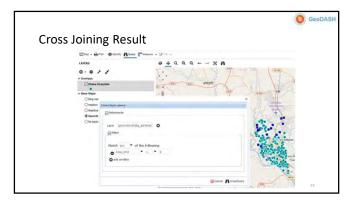


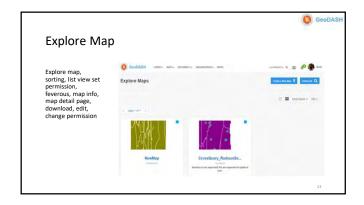


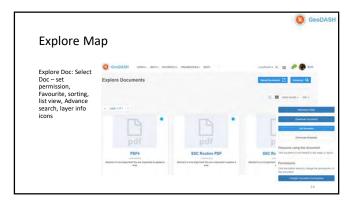














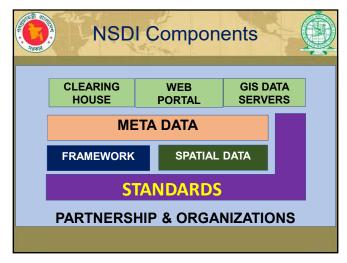


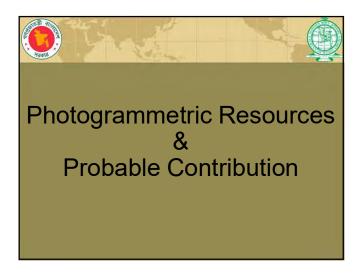


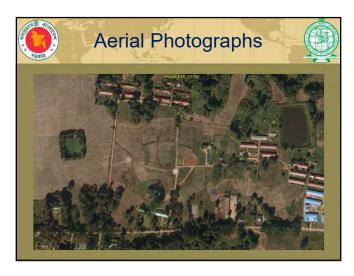






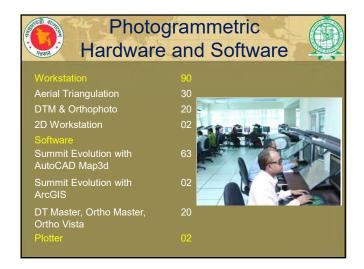


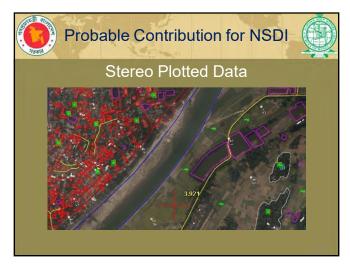


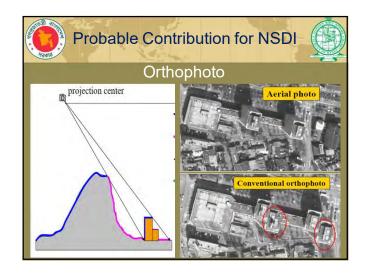


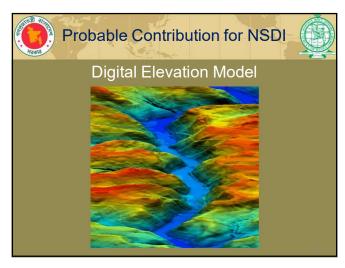


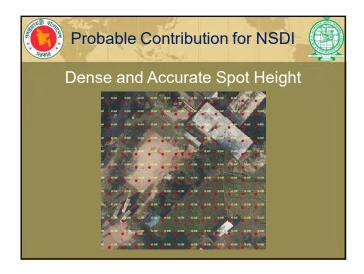




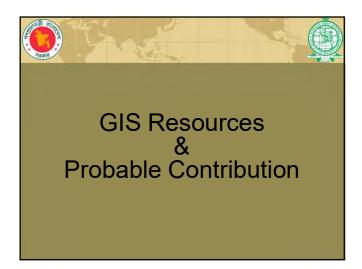


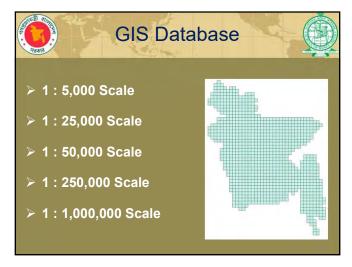


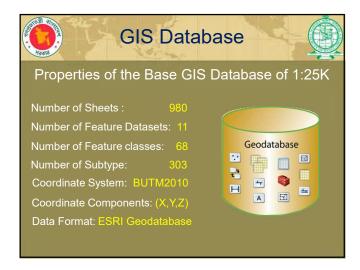






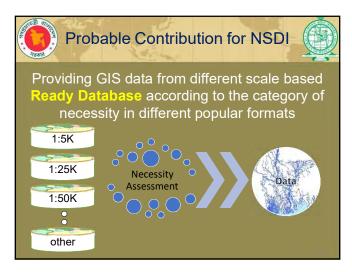




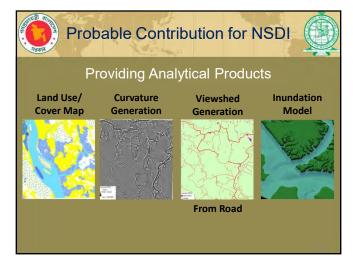


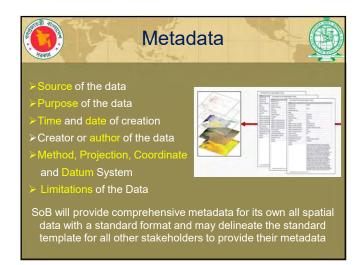


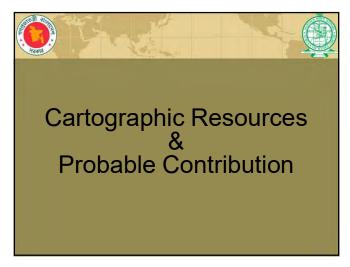


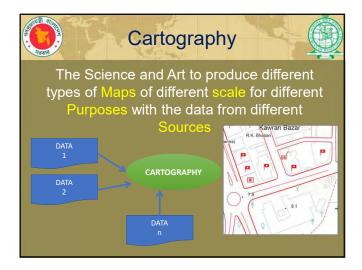


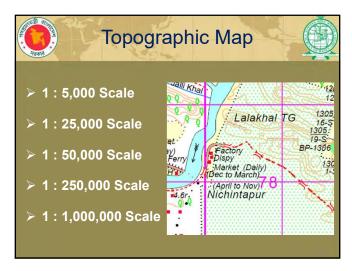






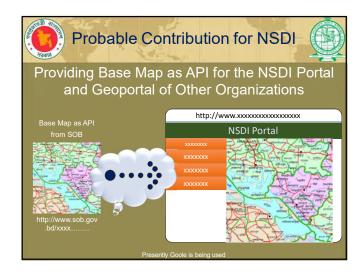


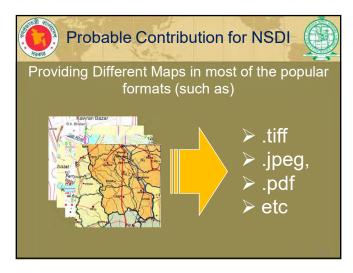


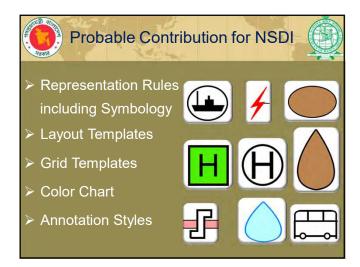




















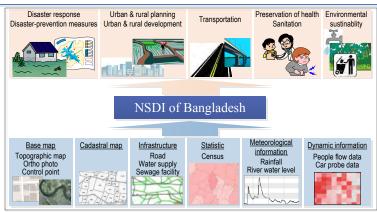
Project for Strengthen the Capacity on Advanced Mapping of SOB for Building Digital Bangladesh - Making the Roadmap to Establish NSDI - As of 12th September, 2017

1. NSDI Seminar in Bangladesh

International seminar on National Spatial Data Infrastructure (NSDI) for Bangladesh was held on 1st and 2nd June, 2016, attended by Honorable Prime Minister Madam Sheikh Hasina.

Honorable Prime Minister mentioned as follows:

- NSDI would help development planning of the land, ensuring optimum utilization of the land.
- NSDI will preserve geo-spatial data in same platform helping all users to use the data according to their need, which we feel very much at the time of taking a project.
- A national committee led by the Ministry of Defense will be formed to formulate short and long term plan, fix up action strategy and provide necessary assistance to develop the NSDI.

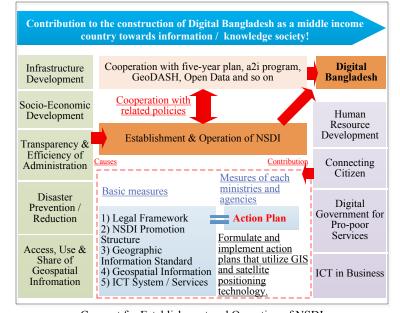


Concept of NSDI for Bangladesh

2. Basic Principles concerning Establishment & Operation of NSDI

Basic principles concerning basic measures and formulation and implementation of action plan of each ministry and agency are suggested as follows:

- ❖ As basic measures for establishment and operation of NSDI, development and provide of geospatial information, promote the use of GIS and satellite positioning technology, human resource development, research & development, and strengthen cooperation among related organizations.
- ❖ 1) Effective and efficient management of public facilities, 2) Promotion of disaster prevention / reduction measures, 3) Use, maintenance and preservation of the land, 4) Improvement of agricultural productivity, and 5) Protection of the people's lives and property, are applied GIS and satellite positioning technology.
- Improve the efficiency, sophisticated (advanced) and transparency of administrative management of the central and local governments.
- Provide diverse services that contribute to the improvement of convenience for citizens regardless of difference of rich and poor, literacy abilities, place of residence in urban and rural areas.
- Create and develop diverse businesses utilizing GIS & satellite positioning and harmonize with the envirnment.
- Pay attention to protection of personal information, promotion of secondary use of public data, and consideration of national security.



Concept for Establishment and Operation of NSDI

3. Main Activities and Setting Period for Roadmap to Establish NSDI (Draft)

	Preparation Period	Infrastructure Formation / Dissemination Period	Operation Period (Medium-term / Long-term Plan)
Period	Now - June 2018	July 2018 – June 2021	Medium-term: July 2021 – June 2026 Long-term: July 2026 – June 2031
Objective	Implement preparation work required to establish NSDI	Building and operation of NSDI, solving of various issues	Promote utilization of NSDI
Main activities	 Building of Geo-portal website (Prototype version) Passage of Survey Act (Including required regulations) Passage of NSDI Act (Including required regulations) Determination of disclosure range/method of SOB geographic information Preparation for expansion of GNSS CORS Completion of digital topographic map (1:25,000 and 1:5,000) Preparation for establishment of NSDI Committee 	 Building of NSDI platform Establishment of NSDI Committee and working group activities (Activities to solve various issues) Creation of primary data/demonstration of updating Expansion of continuous operating reference stations Updating and release of digital topographic map of Dhaka Review of base map updating technique Changing SOB organization and development of human resources/management system 	 Periodic updating of base maps Development/updating of primary data with high importance Expansion/deployment of NSDI platform Operation, dissemination and use promotion of GNSS CORS Enhance map literacy of citizens

4. Determine Disclosure Range for SOB Geospatial Information

Based on the Survey Act (proposed), it is to determine the content of the geospatial information to be provided/released on the NSDI and release method. The content of operation performed of SOB in Survey Act are as follows:

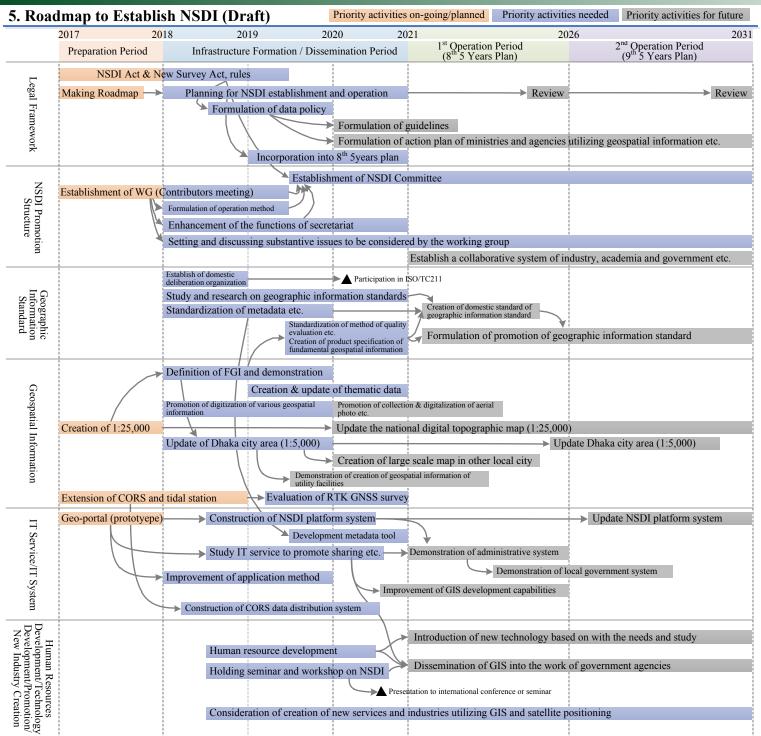
- Creation of base map and other maps
- Preparation and distribution of DEM, DTM, DSM and ortho photos
- Distribution of map and GIS data
- Base map preparation, distribution and updating
- Preparation and distribution of thematic maps of different scales

Other work

Opened on NSDI Online site Data 1:5,000 Topographic 1:25.000 PDF/SHP Map tiles/API 1:250,000 1:1,000,000 1:5,000 Ortho photo Map tiles/API TIFF 1:25.000 **DEM** Map tiles/API XYZ BM/GPS points **GCP** XYZ/RINEX Position

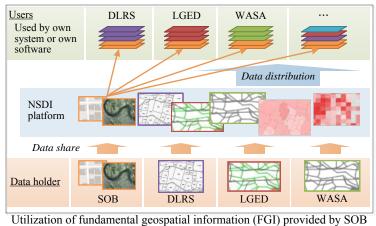


👩 ඣ Project for Strengthen the Capacity on Advanced Mapping of SOB for Building Digital Bangladesh



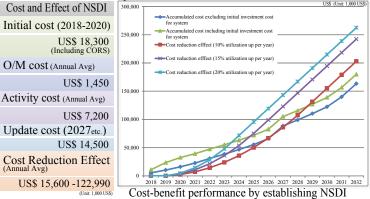
6. Example of using NSDI Platform

NSDI platform system is provided in order to search for and to obtain information related to geospatial information.



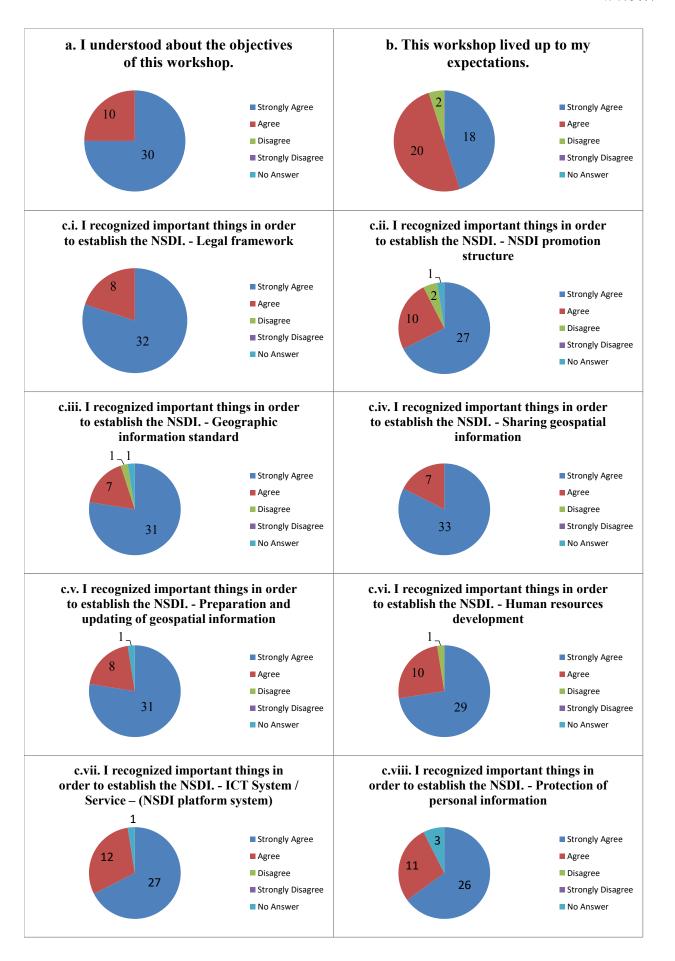
7. Cost-Benefit Performance by NSDI

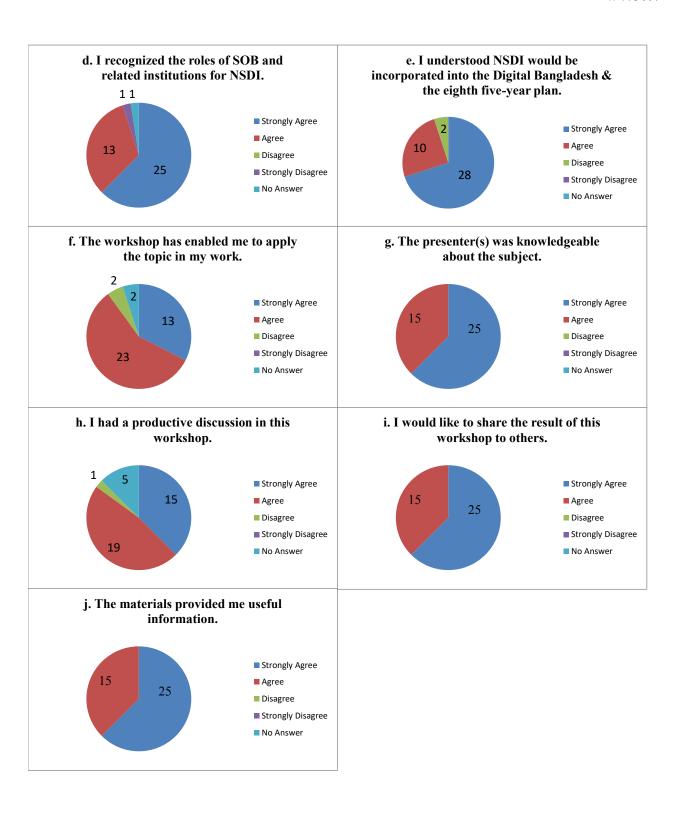
The cost-benefit by NSDI will be able to calculate from cost reduction by utilizing geospatial information by the organizations. In case that utilization of NSDI will increase 20% per year, it is estimated that the cost reduction effect will exceed the total cost of initial investment, maintenance and operation, activity, and update of system and data at the end of 4th years afte the construction on NSDI platform.



添付資料 - 18 NSDI ワークショップにおける アンケート調査結果

Question	Strongly Agree	Agree	Disagree	Strongly Disagree	No Answer
a. I understood about the objectives of this workshop.	30	10	0	0	0
b. This workshop lived up to my expectations.	18	20	2	0	0
c.i. I recognized important things in order to establish the NSDI Legal framework	32	8	0	0	0
c.ii. I recognized important things in order to establish the NSDI NSDI promotion structure	27	10	2	0	1
c.iii. I recognized important things in order to establish the NSDI Geographic information standard	31	7	1	0	1
c.iv. I recognized important things in order to establish the NSDI Sharing geospatial information	33	7	0	0	0
c.v. I recognized important things in order to establish the NSDI Preparation and updating of geospatial information	31	8	0	0	1
c.vi. I recognized important things in order to establish the NSDI Human resources development	29	10	1	0	0
c.vii. I recognized important things in order to establish the NSDI ICT System / Service – (NSDI platform system)	27	12	0	0	1
c.viii. I recognized important things in order to establish the NSDI Protection of personal information	26	11	0	0	3
d. I recognized the roles of SOB and related institutions for NSDI.	25	13	0	1	1
e. I understood NSDI would be incorporated into the Digital Bangladesh & the eighth five-year plan.	28	10	2	0	0
f. The workshop has enabled me to apply the topic in my work.	13	23	2	0	2
g. The presenter(s) was knowledgeable about the subject.	25	15	0	0	0
h. I had a productive discussion in this workshop.	15	19	1	0	5
i. I would like to share the result of this workshop to others.	25	15	0	0	0
j. The materials provided me useful information.	25	15	0	0	0





Num	Organization	2:What do you think about having an effect and benefit by NSDI on your organization?	3:Please share any other comments you have regarding this workshop.
	Bangladesh Meteorological Department (BMD)	BMD collect and archiving all kinds of metereological data. In this regards, BMD can be benefitted by NSDI as NSDI is going to be a platform of Spatial Data.	This workshop is very fruitful for NSDI. It is necessary to co-operate Government Organizations each other as much as possible.
2	Bangladesh Space Research and Remote Sensing Organization (SPARRSO)	No comment	More extant level discussion is required.
3	Rajdhani Unnayan Kartripakkha (RAJUK)	My organization will be benefited ny NSDI to establish the digital Bangladesh. NSDI is very effective way to improve the present system.	All organization should follow the one or some coordinate system for sharing various data within the organization and should be a common platform.
4	Rajdhani Unnayan Kartripakkha (RAJUK)	-	-
5	Rajdhani Unnayan Kartripakkha (RAJUK)	-	-
6	Bangladesh Water Development Board (BWDB)	BWDB can be highly benefited from NSDI.	Coordination, cooperation and sharing of NSDI knowledge to other organization are highly recommended.
7	Dhaka Water and Sewage Authority (Dhaka WASA)	knowledge sharing	Organizational Coordination
8	Geological Survey of Bangladesh (GSB)	I believe GSB will be benefited through NSDI for Geological mapping and mineral identification.	-
9	Department of Land Record and Survey (DLRS)	DLRS is mainly responsible for preparation of cadastral maps. Definitely DLRS will be benefitted by the NSDI.	-
10	Access to Information Program (a2i)	Land related initiatives and other citizen centric e-services that A2i in developing.	-
11	Dhaka South City Corporation (DSCC)	DSCC expect to get the benefit of NSDI. For this project DSCC is ready for any cooperation.	TITAS Gas and Fiber Optic Intitution can be the member of working group. Administrative boundaries of all the Institutions should be included in map. Data sharing process should be easy from SOB/NSDI to other institutions.
12	Bangladesh Computer Council (BCC)	For proper maintaining the Bangladesh govt. Network and Planning for to establish DRC the NSDI will play a vital role for us.	It is grand workshop to share knowledge on making the Roadmap to implement for BD Govt.
13	Department of Disaster Management (DDM)	I believe NSDI will be the central Spatial Data hub which can be used for DM and DRR.	-
14	Institute of Water Modelling (IWM)	IWM might get data and metadata from NSDI in consistent format.	Chief/ CEO and real working professionals should be invited.
15	Urban Development Department (UDD)	UDD is responsible for the preparation of plan of different Upazilas/ Union/ Zilas of Bangladesh. We need several Survey data (GIS data) from different organization for plan preparation. I think this will be helpful for my organization if we get data required from single plaform.	The requirement of data are different for different organization again the format of some data may be different for different organization. This must be considered.

Num	Organization	2:What do you think about having an effect and benefit by NSDI on your organization?	3:Please share any other comments you have regarding this workshop.
16	Dhaka Electric Supply Company Limited (DESCO)	DESCO has a platform to develop GIS based network operator and asset management. So it would be helpful for DESCO.	-
17	Bangladesh Power Development Board (BPDB)	NSDI is extremely established in Bangladesh for digitization but a great challenge due to similar like BCC. So I hope NSDI will be work integrated with above office.	Realistic and effective people needs to establish this project. I hope the NSDI will be effect within the expected time.
18	Dhaka Power Distribution Company Limited (DPDC)	NSDI would be benefiting to DPDC in planning & designing physical infrastructure of power system.	It is clear how NSDI will share information with utilities as almost all utility are establishing their own GIS system that require common guideline interface. Without this facility, effect of NSDI may become less effective in true sense.
19	Bangladesh Rural Electrification Board (REB)	Yes, NSDI will benefit our organization. We will have NSDI policy in our country.	We understand the benefit of NSDI specify integrated Geo-Spatial Data in different organization.
20	Water Resources Planning Organization (WARPO)	Helpful for -availability of updating data, to reduce the laps and gaps of spatial data, provision for shareing remote sensing data and images among the Govt. agencies should be made possible, to reduce the cost significantly through NSDI.	Data availability management, evaluation improvement system should be included in NSDI. Provisions to asss nd assign the quality level of a particular data layer need to be included. Data management policy for NSDI should be formulated with the cooperation of all spatial data holdering agencies of the country.
21	Department of Environment	Yes.	-
22	Directorate of Primary Education	Monitoring and mentoring all primary schools of Bangladesh to ensure quality education, intensive and equitable education & lifelong education.	Role of different ministries/ divisions/ departments/ organizations may be clarified by arranging another workshop to establish NSDI for Bangladesh.
23	Military Institute of Science and Technology	It is helpful in the context of academic point of view. Academician will be able to conduct research in an integrated.	-
24	Bangladesh Army	For disaster management/ quick response where army needs to be employed in case of emergency i.e. aid to civil power.	1) A representative from Bangladesh Army should be included in the working group. 2) Separate gate way for the Armed Force & other national security agencies must be considered. 3) Sharing of spatial data of diffeent Govt.& other organizations must be planned accurately. 4) Administrative boundary must be preserved and prepared by single agency to be shared accordingly. Other organizaton AOR(Area of Responsibilities) may be developed by individual organization. 5) List of data holders user's point of view must be made. 6) Seperate policies/ procedures/ guidelines must be made security, sharing, collection etc.7) GIS maps and cartographic maps are not same as per accuracy concerned.So topo maps (1:25K & 1:5K) genrated by system may not be appropiate for many govt. agencies e.g. WASA, DESCO etc who need large scale map even upto 1:1000. 8) For base data only SOB may be selected and assisted by SPARSSO for satellite images.
25	World Bank	-	-
26	ЛСА	-	Better to share the objective of each presentation first.

Num	Organization	2:What do you think about having an effect and benefit by NSDI on your organization?	3:Please share any other comments you have regarding this workshop.
27	ЛСА	JICA as the bilateral development partner engaged in various development projects, recently NSDI for proper planning and implementation.	1) Disaster Risk Mitigation becoming a growing concern for any country. So NSDI should involve the DRR organization. 2) Coordination mechanism with allt he relevant organizations.
28	Survey of Bangladesh	My organization will be benefited enough.	An act is very essential for making NSDI.
29	Survey of Bangladesh	It will be very fruitful for us as well as other agencies of Govt. If it is established, it will be helpful for making digital Bangladesh.	Thanks for organizing the workshop. I wish its every success in future.
30	Survey of Bangladesh	In constructing NSDI my department will be immensely benefited and geoinformation department as well. After that the country will help to become digital Bangladesh using NSDI dataset.	1) Users and stakeholders of geoinformations should come for work & play their roles in making NSDI. 2) Government departments should play their pivotal efforts in making the project completed.
31	Survey of Bangladesh	It will be a great platform to share and get spatial data effectively, smoothly and quickly.	More stakeholders like Titas (Gas supply), planners, Disaster Management, NGO (UNDP, Red Cresent) should be invited.
32	Survey of Bangladesh	To establish the NSDI, Survey of Bangladesh will highly beneficial because SOB is National Mapping organization.	More stakeholders should be invited.
33	Survey of Bangladesh	No doubt from this platform it will be very easy to share and get spatial data, smoothly, effectively and quickly.	More stake holder like, World Bank, UNDP, Red Crescent, WHO, etc, should be invited.
34	Survey of Bangladesh	I think SOB is the main geospatial producer in Bangladesh. By establishing NSDI, the user of geospatial data can be benefited.	The workshop is nice. I think more and more workshop is needed making the roadmap to establish NSDI for Bangladesh.
35	Survey of Bangladesh	Establishment of NSDI in Bangladesh will be very effective for the development of Bangladesh. It will be benefited to all of us.	The workshop will inspire the participants to built NSDI for Bangladesh. So I think it is a fruitful workshop.
36	Survey of Bangladesh	From NSDI my organization will be highly beneficial by having mapping data from other organization like RHD, LGED, WASA, REB, BWDB, City corporation and Rajuk for preparing more information maps.	This workshop was highly demanding in this stage to construct the NSDI for Bnagladesh. It helped a lot have communication between organizations. It is also gave clear view of NSDI to the organization attended the workshop.
37	Survey of Bangladesh	To establish the NSDI, SOB can play a vital role and making a fundamental Geospatial data using common parameters.	This types of workshop is needed for motivating different stakeholders.
38	JICA Study Team	-	There was a question regarding duplication of data and different platform of data problem. This problem is prevailing for decades past and shall continue in future decades unless the Govt. issues an executive order to stop it. SOB can take the initiative.
39	JICA SCAM Project	It will be very useful.	NSDI is totally new for Bangladeshi people. It needs another workshop for better understanding of NSDI.
40	Survey of Bangladesh	SOB will be benefited by NSDI by exchanging. Geospatial data to the other organization.	-