

**Report of the NANO outreach Project 2014 in Bangladesh
Conducted by**

Mohammad Muslem Uddin, an alumni member of NANO

“Education and Prospects for Sandwip Island”
Sandwip Ananda Pathshala, Sandwip, Chittagong, Bangladesh



Lecture 1



**Understanding the ocean's influence on you and your influence on
the ocean**

Lecture 2



**Resilience-Increasing Strategies for Coasts – toolkit (RISCKIT)
The International Case Site: Sandwip Island**

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Bangladesh

&

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University of Ferrara, Italy



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Introduction:

Although “Ocean literacy” is a growing movement in Europe and worldwide, and the community of marine educators is increasing much faster than other sector, in reality its necessity is yet to be felt nationally in most of the underdeveloped and developing countries like Bangladesh. Most parts of the countries south and south eastern region is below 3 meter of sea level and one of the most geomorphologically dynamic active delta prone to ocean born multi hazards like cyclones, storm surges, marine flood etc. The country has already been suffering the vulnerable situation due to ongoing climate change phenomena and the offshore Island, Sandwip has been turned into a refugee site for climate change. But the people of this island (where about 350,000 people have been living in a only 250km² space) is totally ignorant of Oceanographic as well as Climate relevant knowledge necessary for hazard management and resilient community development.

Being inspired by NANO encouragement effort to its alumni to take initiative distributing general oceanographic knowledge to the public, the proposal was submitted aiming to organize a seminar followed by a field visit in Sandwip Island, Bangladesh having multimedia facilities for presentation and experts on Oceanography targeting school teachers and students as an important audience. The audience was selected such since the teachers are able to pass on the knowledge to their students as well as their linked society where as those students would grow up to become either scientists, policy makers or any other type of stakeholder of the ocean.

The Seminar was carried out in the framework of the 1st attempt of the “Education and Prospect for Sandwip island, Bangladesh” supported by NANO outreach Project 2014. The workshop took place from 27 to 30 December of 2014 and it was hold at the Hall Room of Sandwip Ananda Pathshala in Sandwip Island, Chittagong, Bangladesh.

Briefly, the seminar consisted of lectures, questions and answers on the topics of Lectures (Ocean Literacy and RISCKIT) and followed by a site visit on the following day. The main goals set for the seminar and field visit are stated below:

- Offer a brief introduction to the Oceanography and importance of Ocean Literacy
- Offer a brief introduction to the RISCKIT project and its activities in Sandwip
- Presentation of **Lecture 1** on Ocean Literacy focusing understanding the Ocean’s influence on you and your influence on the Oceans following standard principles of Ocean Literacy including its worldwide view, status.
- Presentation of **Lecture 2** on RISCKIT project focusing the objectives of the project, causes behind Sandwip has been selected as the only international study site outside Europe and the results produced so far for the island.
- A site visit program for the interested learners to the accreted and eroded coast of the island.
- Personal as well as group discussions with the interested participants of the island on future prospects and get way of oceanographic education for the next two days.

The seminar counted with two speakers. At the beginning, **Mr Abdur Rahim**, Assistant Professor of History, Government Haji A. B. College at Sandwip who presided over the meeting, offered opening lectures on general topics regarding the objective of the seminar and importance of oceanographic research and education for sustainable coastal and Island management as well as its professional potentiality. Furthermore, **Mr Mohammad Muslem Uddin**, from the Institute of marine Sciences and Fisheries, University of Chittagong delivered two more lectures on Ocean literacy and riskit project. Both guests provided a valuable input as lectures and also by getting involved during the discussions regarding practical issues concerning how to get in or improve oceanographic education and research for the benefit of the island in the face of climate change vulnerabilities. A partial list of the participants is shown in the appendix A as were asked to write their comments on the program; the seminar agenda is reproduced below.

Agenda

- **Seminar Agenda**
- **Saturday 27 December 2014**
- *Morning*
- Welcome- Main goals of the workshop - Introduction of participants (by the organizers)
- Opening speech of the chairman by Prof Abdur Rahim
- Brief introduction to NANO and RISCKIT by *Mohammad Muslem Uddin*.
- *Short Break*
- Lecture 1: Ocean Literacy by *Mohammad Muslem Uddin*.

Afternoon

- Lecture 2: Geomorphological Evolution and Vulnerability of Low- Lying Coasts in Bangladesh: The Case of Sandwip Island under RISCKIT (Resilience Increasing Strategies for Coasts) Project
- Questions-Answers, discussions and comments
-

Sunday 28 December 2014

Morning

- Gathering at the premises of Sandwip Ananda Pathshala for site visit
- Site visit to North Sandwip newly accreted and eroded land area and talking with effected people to understand their perception
- Break for lunch
- *Afternoon*
- Back to Ananda Pathshala premises to end the visit with a brief overview

Monday 28 December and Tuesday December 2014

Personal and group discussion

Conclusion:

Finally, it is worth mentioning that the seminar followed by the site visit, personal and group discussion served as an appreciated starting of Oceanographic education which promised to yield a remarkable outcomes for the whole island. Moreover, both organizers and participants perceived and acknowledged the commitment and worth mentioning activities of POGO and NF in order to get a good outcome for the motto- “together we can make a change in the world!”

Photo Frame of the program:





Field Visit, personal and group discussion:





Participants and comments:

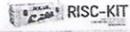
"Education and Prospects for Sandwip Island"
Sandwip Ananda Pathshala, Sandwip, Chittagong, Bangladesh



Lecture 1
Understanding the ocean's influence on you and your influence on the ocean

Mohammad Muslem Uddin (Munna)
Asst. Professor
Institute of Marine Sciences and Fisheries
University of Chittagong, Bangladesh
PhD Fellow @Dept of Physics and Earth Sciences
University of Ferrara, Italy

Lecture 2
Resilience-Increasing Strategies for Coasts - toolkit (RISCKIT)
The International Case Site: Sandwip Island



Organized by: Uttaran Public Library, Sandwip
Supported by NANO outreach project 2014 and RISCKIT (CFR, Italy) Date: 27-30 Dec'2014

Venue: Sandwip Anada Pathshala Auditoriam

S. No:	Name	Address	Comments
01	Mohammed Delwar Hossain	Kataporia, Sandwip Chittagong Mob: 0728262657 Email: Delwarhossain91@gmail.com	Really interesting and knowledgeable.
02	md. Sahin Alam	Hasamia - sandwip - chittagong Mob: 01818859620 Email:	I have inspired to see this program.
3	Akbar Hussain Shahil.	Garua, Sandwip, Chittagong. Mob: 01820224736 Email:	I learnt so many things.
04	Ahsanul Mahbub Zubaer	Powroskova. Ward no-9 Mob: 01764656304 Email: zsandwip@gmail.com	It's describing language is very good and simple. I like it.
05	Tanvir Montaha	Kuchia Mora, Sandwip. M.R. High school	I am Delighted

S. No:	Name	Address	Comments
06	Shajedur Rahman	Sandwip, Haramia M.R. College Mob: - 01845812930 Email: sandwipshajed@gmail.com	It's awesome
07	Mahmudul Haque (Shuro)	Sandwip, Haramia M.R. College Mob: - 01861019324 Email: mahmudshuro1@gmail.com	It's really food.
08	Md Farhad Ullah	Sandwip, Kalapania Mob: 01747167003 Email: farhadullah51@gmail.com	All the best programme.
09	ABU Zahed Mihad	Sandwip, Haramia M.R. College Mob: 0183-6595080 Email:	It's awesome
10	Md. Moniruzzaman Mahammad. Monir- uzzaman	Sandwip, Haramia. M. R. College. 01863257678 Mob: M.R. College Email:	As Sandwip is an island This programme is best for us. And we are very happy.
11	MD. Monirul Golam Moa	Sandwip, Gadma M.R. College.	It's really enjoyable for us

S. No:	Name	Address	Comments
11 01	Tanzid	M.R college Sandwip Mob: 01621056900 Email: Tanzideeddin@gmail.com	It's really good
12 02	Himadity Shukhat Roy	Azim pur, Sandwip M.R college Mob: 01685 525094 Email:	This is really a Awesome Programme. We should organized this kind of Programme.
03	MD. Monjurul Joleem Fakim.	M.R college Sandwip Mob: 01857285299 Email:	I respect Mohammad Murslem udden (Munna) and other organized people.
04	Md. Azizur Rahman Riaz	M.R. College Sandwip Mob: 01837478666 Email:	This really good for all classes people and we can learn more knowledge by this seminar.
05	Razan Basu	M.R college Sandwip, Chittagong Mob: 01820332470 Email:	We learn more it. I think that it is an essential for all reaction of people.
06	MD: Jafaria Roma n	M.R. college sandwip, chitta- gong Mob: 01809488119	I think that it is an important for all reaction of people.

		MOB:	
		Email:	
18	Tangina Akter	East Sandwip Anam Nahar Girls High School Mob: 01913130267 Email:	from this seminar, I can know many new things. So it is very fun beautiful. Thanks for this.
19	Hamida Khanom Mukta	East Sandwip Anam Nahar Girls High School. Mob: 01812913353 Email:	Yes. interesting arrangement. Feelings good. Because, by dint of it we can know anything which leads our future life and success.
20	Tamim Binth Abin	East Sandwip Anam Nahar Girls High School. Mob: 01814321959 Email:	Awesome! It is very nice. I can acquire many knowledge our island and other island. It remain very fresh in my heart.
21	Naïma Begum	East Sandwip Anam Nahar Girls High School. Mob: 01855-159604 Email:	Wow! It is very interesting Programme for me. Because I can acquire many interesting experience about Oceanography. Thank u so much for this seminar.
22	Amena Begum	A. K. Academy Garua Mob: 01845332139 Email:	

S. No:	Name	Address	Comments
01 28	Md. Jahid	Department of Banking, Chittagong University. Mob: 01812 582656 Email: Jahidkhanra3im@gmail.com	The seminar is very progressive in our future aspect. So am
02 29	MD. Kamrul Islam	Mob: 01827881522 Email: kamrulnazim@gmail.com	Really awesome. Very important and useful seminar.
03.0	Amin Hamza	Dept. of IML Chittagong University. Mob: 01832-808872 Email: Hamzarifat@yahoo.com	9 thing this is very important program for us. So we are really proud to get it.
04 31	MD. MASUDUR RAHMAN	Chittagong collage Dep. Political Science. Mob: 01746810615 Email: Mdmasudurrahman230@gmail.com	This the first oceanography program of my life. I am very happy at this moment. I hope that it creates awareness on my human life.
32 05	MD. Atiq Ullah	Dept of Law Dhaka University Mob: 01951-809614 Email: Atiqulad2015@gmail.com	This is the first seminar on the oceanography. I think it creates awareness on natural disaster and its management. I like it.
33 06	MD. TOWHIDUL ISLAM SAKIB	Ward no-9, Sandweep Panchayat Sandweep, Ctg. Mob: 01712-768425, 01815-603108	This seminar is about Ocean. Our sir (Munna) inspired us to learn about oceanography. From it I can improve my

S. No:	Name	Address	Comments
1 34	Monisha	Kalapania Sandwip Chittagong Mob: 01720301740 Email:	আপনার অনুষ্ঠানটা আমার খুব ভালো লাগে।
2 35	Rumpa	Kalapania, Sandwip, Chittagong Mob: 0185872067 517 Email:	আপনার অনুষ্ঠানটি আমার কাছে খুব ভাল লাগে। এই অনুষ্ঠান থেকে আমি অনেক জ্ঞান লাভ করেছি।
36	Tahsina Moni Tia	Complex, Sandwip, Chittagong Mob: 01817248008 Email:	It's a very inspiring organization and I am fully inspired.
37	Sajib Chandra Roy	Mob: 01843621310 Email:	It is really a excellent discussion. and I enjoyed it very much and I greatly thanked the organizer.
		Mob: Email:	

S. No:	Name	Address	Comments
01 38	Ruzaul Karim Shitu,	Kudder-go-bari, Bawraia, Sandwip. Mob: 01787703047 Email: RuzaulKarimShitu 5@gmail.com	Really it is a great idea to describe about our nature elements so that all of our people can do something new scientifically.
039	Sajjad Hossain Fahad	Kamar Ali Hazir Bari, Kalapania Sandwip. Mob: 01856827565 Email: mhossainfahad @gmail.com	I am very proud of it and I want to see this other time really it is very nice.
40 03	M.D: Shariful Bari	 Mob: 01710316829 Email:	Oceanology is very important thing in our life. so we should com- forward in this regard.
041	Kawsar Hossain Jewel	 Mob: 01814907903 Email: Jewelstareu@gmail.com	Really its a good start in Sandwip. Hope, He will continue his research on Sandwip, which will very helpful for the people of coastal area like Sandwip. Wish his best success in his research.
		 Mob: Email:	

S. No:	Name	Address	Comments
45	Subrata chandra Das	perba sandwip Anam Nahaz Girls High School. Mob: 01818120383 Email:	ଅଧ୍ୟାପକଙ୍କ ମାଧ୍ୟମରେ ଅନୁରୋଧ କରାଯାଇ ଅନାମ ନାହାଜ ଗର୍ଲ୍ସ ହାଇ ସ୍କୁଲ । ଆଗାମୀ ବର୍ଷ ଅଧ୍ୟାପକଙ୍କ ମାଧ୍ୟମରେ ଅନୁରୋଧ କରାଯାଇ ଅନାମ ନାହାଜ ଗର୍ଲ୍ସ ହାଇ ସ୍କୁଲ ।
46	Mr. Abdur Rahaman	Assistant teacher Kalapania Govt. Primary School Mob: 01736957795 Email:	very essential for Science Students.
47	Zawaida Begum	Assistant teacher A. K. Academy Gosha High School. Mob: 01727239313 Email:	It is very interesting subject, and very important for science student.
		Mob: Email:	
		Mob:	

S. No:	Name	Address	Comments
54	Md. Abcel Hossain	Hadi Barzi Rabmatpuri, Mob: 01822481997 Email:	The function is very educative and enjoyable. I am very happy to attend such a function.
55	Md. Didarul Alam	Nafsun Parva, Tatoli Mob: 01814262782 Email: Md.didarulalam@gmail.com	The function is more enjoyable because it is interrelated with us and our island.
56	Ahsanul Haque Fahim	Baunia, Sandwip. Mob: 01822836636 Email:	The programme is so educative. I am really inspired by it. Thank you very much.
57	Makshud Akam	Gachua, Sandwip Mob: 0182957754 Email:	Now I can differ myself how much I am in darkness and how to reach in glory.
58	Abdel Rob Nisham	Sounspur Mob: 01859347264 Email:	The programme is very interrelated so I enjoy me.

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S. No:	Name	Address	Comments
63	Mehedi Hasan	Mob: 01859765280 Email:	I really enjoy this seminar. I also learn a lot of knowledge about sea.
64	Anupam Das	Mob: 01995-107343 Email: asintanupam@gmail.com	Really I attracted by Sir Mohammad Mustem Uddin's lecture. It will develop my knowledge of Marine Science
65	Tirtha Nandi	Mob: 01814267243 Email:	আমার থেকে এই অনুষ্ঠান খুব ভাল লাগে। আমি এখান থেকে অনেক কিছু জানতে পারি।
		Mob: Email:	
		Mob: Email:	

S. No:	Name	Address	Comments
66	MD. Arasath Hossain	Musapur B.2 High School Mob: 017594832807 Email:	This programme is very nice and good which enrich our knowledge. I hope it is very essential for all classes of people
67	MD: Dalowar Hossain	Mob: 01746810666 Email:	I hope this programme creates awareness of all classes of people.
68	MD:- Faisal Kabir	Musapur B.2 High School Mob: 01866276356 Email:	It is first programme in Sandwip. I think another kinds of ocean science org. take proper step next time.
69	M.D: Jahid Hasan	Mob: 01834528810 Email:	I feel very interest. Because, this programme help us to acquire knowledge about ocean science.
70	ABid nejoy	Musapur B.2 high school Mob: 01833669872 Email:	This programme is very nice to me. From there I can know about ocean more than I know.
71	MD: Salauddin Kabir	Musapur B.2 High School. Mob: 01811628915	I feel very interest. Because this programme help us to acquire knowledge about ocean

S. No:	Name	Address	Comments
72	MD. ANOWARUL KABIR	ASST. HEADMASTER MAIT BHANGA HIGH SCHOOL, SANDWIP. Mob: 01715 513549 Email:	This Seminar is very useful to me which enriched my knowledge about Ocean.
73	MADHAB CHANDRA DAS	SENIOR TEACHER EAST SANDWIP ANAM NANAR GIRLS HIGH SCHOOL Mob: 01715 611686 Email:	This program is very good and established the table of ocean.
74	BHABA RANJAN MAZUMDER	TEACHER SANDWIP ANANDA PATHSALA Mob: 01823945089 Email:	This program is very good essential for all kinds of science students.
75	Iqbal Hossain (Tuhin)	Musepur B.S. High school. Mob: 01859748002 Email:	I attend this program very happy, because I learn of this programme.
76	MD: Kamruzzaman (Babu)	 Mob: @yako.com Email: MD: Babu 2961	This programme is very useful to me and people useful to his life. I am attending this program & I am very happy.
77			