



ECOSYSTEM - BASED DISASTER RISK REDUCTION ONLINE TRAINING PROGRAMME FOR NSS STUDENTS

Date: 06/06/2022
Platform : Google meet

KERALA STATE DISASTER MANAGEMENT AUTHORITY

An online training program on Ecosystem-based Disaster Risk Reduction (Eco-DRR) was organized by KSDMA for students of the National Service Scheme as part of Azadi Ka Amruth Mahotsav. The purpose of this training is to increase awareness of the important role of ecosystem-based approaches in reducing disaster risk. The volunteer groups in Kerala especially NSS volunteers contribute a major role in the Disaster Risk Reduction activities.

Kerala State is vulnerable to different types of natural and man-made disasters that occurs frequently, resulting in the loss of life, livelihoods, infrastructure, and property, as well as causing immense hardships to the affected population and disrupting economic activity. The state's increasing vulnerabilities as a result of a variety of factors such as rapid urbanisation, environmental degradation, population growth, and climate change compounded disaster risks. The approaches like Eco DRR and Nature based solutions play a vital role in disaster risk reduction actions.

The online programme was started with the introductory remarks from Ms. Amrutha, Hazard Analyst, Environment, State Emergency Operations Centre. She explained why KSDMA arranged such training and the importance of Eco DRR in Kerala and the previous initiatives taken by the authority in this regard.

The first session was handled by Dr. Karen Sudmeier-Rieux, Senior adviser, disaster risk reduction, United Nations Environmental Program. She led a lead role in the Eco DRR activities of UN and the lead of NbS MOOC courses of UNEP. She published various books and papers in this domain. In her session, she explained how the Eco DRR concepts evolved in the world and the various agencies who are contributed to this field, the Eco DRR methods which are adaptable for different disasters, how the volunteers can take up the thought and the UNEP initiatives in Kerala related to Eco DRR.

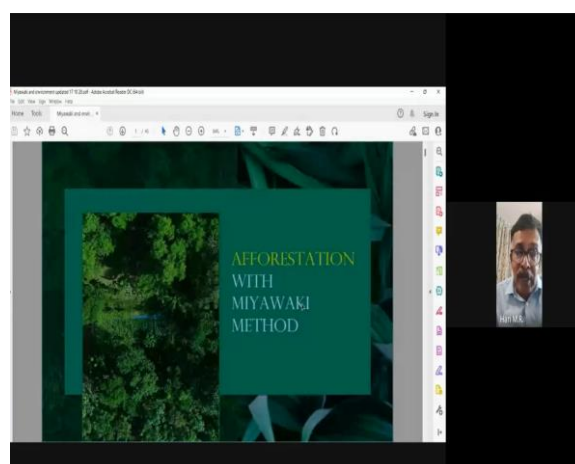
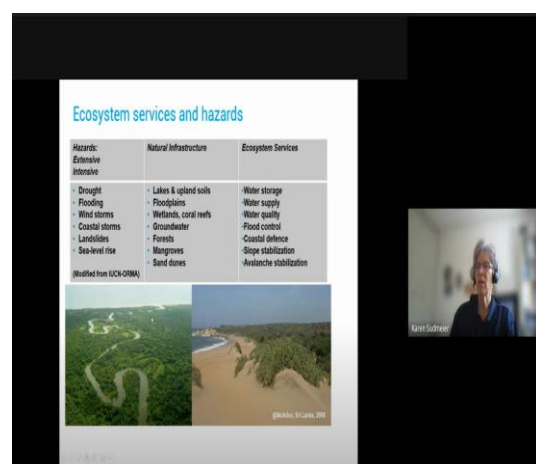
The second session was an experience sharing session handled by Mr. Hari, Founder of Envis multimedia. He is known as the Miyawaki man of Kerala. Akira Miyawaki, a Japanese botanist, developed Miyawaki, a technique for creating dense, native forests. The method should result in plant growth that is 10 times faster and a plantation that is 30 times denser than typical. It entails planting dozens of natural plants in the same area, and beyond the first three years, it is maintenance-free. Miyawaki woodlands are a "welcome addition to the environment" in the face of climate breakdown. It has a number of advantages, including lowering temperature, improving soil nutrition, aiding local fauna, and carbon sequestration. Mr. Hari explained his entry in to the field of Miyawaki and how he developed such system in Kerala. He successfully afforested around 20 Miyawaki forests all over Kerala. The planting techniques and what are the benefits of

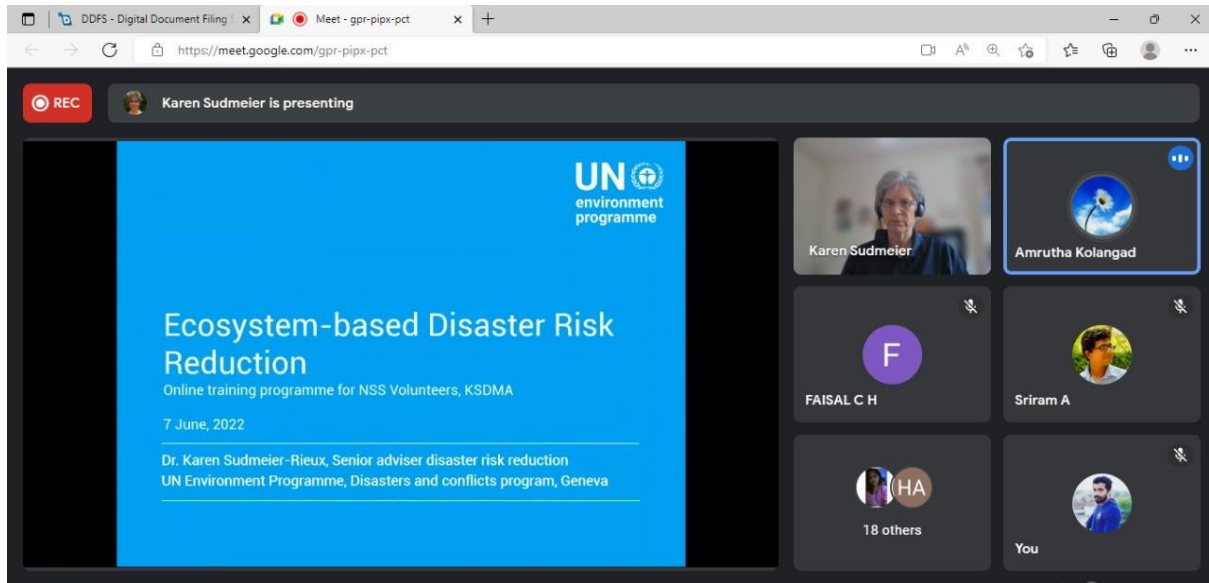
Miyawaki and how it's helpful for DRR and environmental restoration etc he covered during his speech.

Mr. Clint, Social Capacity Building Specialist, KSDMA proposed the vote of thanks. The program ended at 4.30 pm.

Programme schedule

06.06.2022, 3.00 pm to 4.30 pm	
03.00 pm – 03.05 pm	Welcome
Amrutha K, Hazard Analyst, Environment, KSEOC	
03.05 pm – 03.15 pm	Introductory Remarks
Dr. Sekhar L Kuriakose, Member Secretary, KSDMA	
03.15 pm – 03.50 pm	Session: Eco DRR and Its importance
Dr. Karen Sudmeier-Rieux, Senior adviser, disaster risk reduction, UNEP	
03:50 pm – 04.15 pm	Experience sharing session: Miyawaki forests in Kerala
Mr. M. R. Hari, Founder of Envis Media	
04.15 pm – 04.25 pm	
Feedbacks from attendees	
04.25 pm – 04.30 pm	Vote of Thanks
Mr. Clint Mathew, SCBS, KSDMA	





Annexure – Participants List

Sl No	First name	Last name
1	ANI	T
2	Megha	
3	Punya	
4	RaviKumar Pambadi	
5	UMMER FAROOQUE P	
6	Sriram	A
7	vineetha	av
8	FAISAL	C H
9	Radio Mattoli	Dwaraka
10	Vera	Glas
11	thajudheen	hajudheen kondotty

12	Sreenidhi	Harikumar
13	Lekshmi	m
14	Alfred	Johny
15	Nithin	K
16	sendai	kerala
17	Umesh	Km
18	Amrutha	Kolangad
19	FAVAS	Kondotty
20	Amal	Krishna PS
21	Member Secretary	KSDMA
22	HA Economics	KSEOC
23	Apkali	Kvkavu
24	Baijumon	M
25	Ramzal	M
26	Umarali Shihab	M
27	Hari	M.R.
28	HA	Malappuram
29	clint	mathew
30	Aswathy S	Nair
31	Soorya Vithun	Nair
32	ansar	p
33	Ramshad	Palliyali
34	DINSHAD	PAMBODAN
35	ashna	panicker
36	Vava	Pk
37	Muneer	Pp
38	Nisar	Pp
39	JUNAID KP	PULIKKAL
40	Dr. Basil	P V
41	Remya	R
42	Hazard and	Risk Analyst SEOC
43	Nikhil	S
44	Aiswarya	Sathianadhan

45	Ahmed	Shafeeque
46	Shabeer	Shebi
47	Midhuna	sivanandan
48	Midhuna	Sivanandan
49	Sreedevi	S Nair
50	Karen	Sudmeier
51	Adharv	Suresh
52	navaneeth	t
53	Kiran	Thomas
54	HASEEB	THOTTOLI
55	Aiswarya	usha
56	Kunjappu	Vattappara
57	raheem	vettupara
58	Shinu Sheela	Wilson
59	Praveen	தலைவர்
60	Remya	p
61	Adharsh	s
62	KP	KOZHIKKODE
63	Anagha	M
64	Favas	p k
65	Keala	Radio
66	jeeva	nair

Prepared by,

Amrutha K

Hazard Analyst (Env)