# ENVIS HUB PUDUCHERRY

On Status of Environment & Related Issues

PUDUCHERRY POLLUTION CONTROL COMMITTEE
Ministry of Environment, Forests & Climate Change
Government of India New Delhi







2020 - 2021

ANNUAL PROGRESS REPORT 2020 - 21

(1st April 2020 - 31st March 2021)





dste.py.gov.in/Envispdy/



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# Government of India Ministry of Environment, Forests & Climate Change (EI Division)

#### ANNUAL PROGRESS REPORT 2020-2021

(1stApril 2020 - 31stMarch 2021)

of

#### **PUDUCHERRY ENVIS HUB**

On Status of Environment & Related Issues

Hosted by



Puducherry Pollution Control Committee Government of Puducherry Puducherry – 605 005

Website URL: https://dste.py.gov.in/Envispdy/

Email Id: envis.pon@nic.in Telephone: 0413 2201256

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# Government of India Ministry of Environment, Forest & Climate Change (EI Division)

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#### Annual Progress Report (APR) - 2020-2021 on Activities of ENVIS Hub Centre -Puducherry

#### Updated on 29.03.2021

1.	Name of Host Organization:	Puducherry Pollution Control Committee
2.	Assigned Subject Area:	Status of Environment and related issues
3.	Date/Month/Year of establishment of ENVIS Centre:	September- 2005
4.	Name and designation of ENVIS Coordinator:	P. Vipin Babu Scientist/Envis Coordinator Puducherry Pollution Control Committee
5.	Has the Host Organization constituted an Advisory Committee for guiding the activities of the Centre?	Yes
	Composition of the Advisory Committee :	Smt. Smitha. R, I.A.S., Secretary to Government (DSTE) – cum - Chairperson (PPCC)
		S. Dinesh Kannan, IFS Member Secretary
		Dr. R. Sagaya Alfred Senior Scientific Officer, Department of Science, Technology & Environment
		P. Vipin Babu Scientist / ENVIS Coordinator

	Name	Position held	Qualification and	<b>Joining Date</b>	Joining		2020-21		
			Experience	in ENVIS Centre	Date in current	Leaving	Emolume	ments drawn (₹)	
				Centre		Date (if applicable)	Monthly	Annual	
	P. Vipin Babu	Scientist/ ENVIS Co-ordinator	M. Sc., M.Phil	26.06.2016	-do-	-			
1.	J. Nithiya	Programme Officer	B.Sc (Agri), M.Sc (Ecology & Envt.Science), M.Tech (Envt.Engg)  Experience- 2 Years of experience as Environmental consultant 5 Years 2 Month experience in ENVIS.	10-02-2016	-do-	-	Rs.46,690.15	Rs. 5,60,281.80	
2.	S. Jagan Kumar	Information Officer	MCA  Experience- 3.7 Years of experience in Computer Application 2 Years 8 Months experience in ENVIS.	19-07-2018	-do-	-	Rs. 38,996.97	Rs. 4,67,963.64	
3.	S. Dhinesh	Information Technology Officer	B.Tech (Information Technology) Experience- 2 Years of experience in Computer Application 2 Years 5 Months experience in ENVIS	08-10-2018	-do-	-	Rs. 31,539.38	Rs. 3,78,472.56	

4.	Dr. N. Sridhar	Data Entry Operator/ Plant Taxonomist	2 Years of experience in Teaching 1 year 1 Month experience in ENVIS.	05.02.2020	-do-	-	Rs. 12,100.00	Rs. 1,45,200.00
7.	Mandate o Organi			Mandat	e of the l	ENVIS Cent	tre	
	Enforcement Control Acts a		<ul> <li>Collection, collation, and related issues which will organizations, stakeholde</li> <li>Under the revamped El Hubs (erstwhile State EN Thematic Centres), in Development Programme Sustainable Management Environmentally Sustainable</li> </ul>	be of immenrs, and to generally Scheme, VIS Centres) and to generally addition to the (GSDP), Grant of Natura	se use to eral publications warious and ENVI	decision-nac.  new initiation  S Resource  sing manda  I Decision  urces and	nakers, policy provided was be under Partners (RPs) - ate, which included Support System	ertaken by ENVIS (erstwhile ENVIS ude Green Skill m (GRIDSS)- for

#### 8. **Databases:**

### 8.1. Catalogue of Non-numeric Databases compiled by the ENVIS Centre till date:

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation Periodicity/ Data Points Compiled date/month/year last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website
News from Dailies	News articles related to Environmental related issues published in various dailies	Descriptive information and Web links	All the published news articles in a month on day-to- day basis <i>March</i> 2021	Newspapers and internet	Available online
Publications	This section includes Puducherry Envis Hub Publications (Newsletter / abstracts / journal articles), books, and information brouchers related to Environmental issues	Descriptive	Monthly March 2021	Through Puducherry Envis Hub	Available online
Latest Update	This area features the snapshot of recent activities of the Centre, all communications to be displayed as instructed by the Ministry and the visitors of ENVIS Centre.	Descriptive	Based on the news/events <i>March 2021</i>	Through Puducherry Envis Hub	Available online
Kids corner	Engaging the kids towards Environmental related issues and promoting environmental awareness through Puzzle, image gallery and cartoons	Non -numeric; Descriptive	Monthly March 2021	Books, internet	Available online
Glossary	Brief explanatory notes on terminologies related to Environmental related issues	Descriptive	Yearly	Universities & College Libraries, Institutions, Books, Journals and web sources	Available online

Major Activities	Activities Undertaken by Puducherry Envis Hub on awareness and outreach programs.	Descriptive/Time -series	Based on the activities <i>March 2021</i>	Through Puducherry Envis Hub	Available online
Bibliography	It includes technical guides, working manuals, yearly reports, etc., released by FAO and other international Organizations working on themes related to the thrust area	Non-numeric; descriptive	Quarterly/Last updated on <i>March 2021</i>	Books, Journals and internet	Uploaded on ENVIS website
Database	All types of environment related data's	Descriptive/Time series	Up to date	Through online	Available online
Notification and Standards	Notification and rules related to Environment	Descriptive	Up to date	Through online	Available online
About us	About ENVIS & Host Organization	Informative	Up to date	ENVIS	Available online
ENVIS Network	ENVIS Focal point & Centres across	Informative	Up to date	ENVIS	Available online
Web Statistics	An overview of visitor summary, visit summary, page view summary, and Hits summary of website	Information in pdf	Up to date	Through Puducherry Envis Hub	Available online
Query / Feedback	Postal and email address of Puducherry ENVIS	Informative	Up to date	-	Available online
Experts	Contact details of subject experts	Informative	Up to date	Puducherry ENVIS	Available online
FAQs	Frequently asked questions related to subject area	Informative	Up to date	Web	Available online
Contact Us	Contact details of ENVIS head & Secretariat at MoEF&CC, Host Organization, and ENVIS Centre	-	Up to date	-	Available online

# 8.2. Catalogue of Numeric and Time-series Databases compiled by the Centre till date:

Name of Database	Description (in brief)	Time Period (Starting year- Ending year) and Periodicity (annual/ monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Agriculture	Area, Production and Productivity of all type of crops	Annually	Agriculture Department, Puducherry	Yes
Air Quality	Air Quality data (parameter wise) National Ambient Air Quality Status for SO <sub>2</sub> , NO <sub>2</sub> , PM <sub>10</sub> , RSPM	Monthly	PPCC Records	Yes
Water quality data base	River Water Quality Data Water Quality Data of lake, ponds, & tanks (State wise) Water Quality Data of Ground water	2011-2021 (Annually)	PPCC Records	Yes
Types of Waste	Biomedical waste (BMW) Municipal Solid Waste E waste Plastic Waste Construction & Demolition Waste Hazardous Waste	Annually	PPCC Records	Yes
Climate	Temperature, rainfall etc	Monthly, Annual 1990-2019	Directorate of Economics and Statistics	Yes
Demography	Demography statistics	2001, 2011	Census of India	Yes
Earthquakes	History of Earthquakes	1839 -2018	Disaster Management Deptt	Yes

Energy	Electricity and energy Consumption	Annually	REAP & Electricity Department	Yes
Coastal	Coastal data	Periodically	Puducherry Coastal Zone Management Authority	Yes
Fisheries	Types of Fishes available in Puducherry	Periodically	Fisheries Depart., Puducherry	Yes
Industries	List of Industries in the U.T. of Puducherry	Annually	Industries and Commerce, Puducherry	Yes

# 8.3. New Databases developed during the previous Financial Year (2020-2021): Completed

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Mobile Application (Android)	The Mobile App. aims to furnish basic information on the Birds and Butterflies present in Puducherry region. It also includes families, identification and characteristics.		Completed	Puducherry Envis Hub	

#### 9. Information/ Knowledge Products:

#### 9.1. ENVIS Newsletters published during the previous Financial Year (2020-21):

Quarter/ Volume/ Issue/ Theme	Main Articles	Number of copies printed and circulated	URL of the PDF file in ENVIS website	Cover snapshot
April - June, 2020	Union Territory (UT) of	200 Copies and circulated	https://dste.py.go	Volume XI-II
XI-VOLUME/II-Issue	Puducherry is an amalgam of four	to all ENVIS centres,	v.in/Envispdy/Pdf	Pudusharry ENVIS HUB
	non-contiguous coastal regions, out of which three regions viz.	MoEF&CC, New Delhi.	/Newsletter/2020	Heat Centre : Pudscherry Pollution Centrel Committee
Butterflies of	Puducherry, Karaikal and Yanam		/Newsletter-July-	Funded by Ministry of Environment, Forest & Climate Change Government of India, New Dolhi
Puducherry	are located on the east coast while		Sept-2020.pdf	
	the fourth one Mahe is located on			
	the west coast. Puducherry and			T Pudbardia
	Karaikal are located close to each			TI DUCTOR THE STATE OF THE STAT
	other as cluster of enclaves enclosed by the Tamil Nadu plains			Ot Ot
	and their butterfly fauna			Puducherry
	represent that of the Coromandel			April - June 2020
	coast. The present newsletter			Control by Social Medics Statute Whys (Ventugge in James and ) Social Analysis Statute Office in Social Medics Statute Office in Social Medicary
	deals with butterflies of			
	Puducherry region of the UT.			
July - September,	Puducherry Pollution Control	200 Copies and circulated	https://dste.py.go	
2020	Committee(PPCC) has carried out manual ambient air quality	to all ENVIS centres,	v.in/Envispdy/Pdf	GOVERNMENT OF PUDUCHERRY PUDUCHERRY POLLUTION CONTROL COMMITTEE
XI-VOLUME/III-Issue	monitoring at the following six	MoEF&CC, New Delhi.	/Newsletter/2020	
	locations to assess air pollution		/Newsletter-Apr-	TREND AMALYSIS
Trend Analysis of Air	status during the lock down owing		June-2020.pdf	AIR QUALITY DURING
Quality during	to COVID 19 pandemic in the U.T.			LOCKDOWN
Lockdown & Trend	of Puducherry. Air Quality			TREMO
Analysis of Air Quality	Assessment was done for 24 hours (4-hourly sampling for			AMALYSIS OF AIR QUALITY
of Bhogi Festival (2016	gaseous pollutants and 8-hourly			BHOGI FESTIVAL (2016 - 2020)
- 2020)	sampling for particulate matter)			SPONSORED BY Ministry of Environment, Forest & Climate Change Covernment of India
	with a frequency of twice a week.			S Servishubpdy

Quarter/ Volume/ Issue/ Theme	Main Articles	Number of copies printed and circulated	URL of the PDF file in ENVIS website	Cover snapshot
October - December, 2020 XI-VOLUME/IV-Issue  Trend Analysis on Air Quality and Noise Level Monitoring on Diwali Festival (2018 - 2020) in Puducherry & Karaikal Region	Puducherry Pollution Control Committee has carried out Ambient Air Quality and Noise Monitoring Quality and Noise Monitoring on Pre-Diwali Day and on Diwali Day in Puducherry and Karaikal region during the period 2018 – 2020.	200 Copies and circulated to all ENVIS centres, MoEF&CC Change, New Delhi.		Puducherry ENVIS Hub  Host Centre: Puducherry Pollution Control Committed Funded by Ministry of Environment, Forest & Climate Change Government of India, New Delhi  Trend Analysis on Air quality and Noise Level Monitoring During -Diwall Festival (2018 - 2020) in Puducherry  October to December (2020)  Volume XI-IV
January - March, 2021 XI-VOLUME/I-Issue Status of Water Quality in the U.T. of Puducherry for the year 2020	Department of Science, Technology & Environment (DST&E)/ Puducherry Pollution Control Committee (PPCC) is Water Quality periodically at 31 locations with financial assistance from Central Pollution Control Board (CPCB) under National Water Quality Monitoring Programme (NWMP). Monitoring is done on quarterly basis in surface water bodies and during pre and post monsoon in case of ground water in Puducherry & Karaikal region and annually in Mahe and Yanam regions.	· · · · · · · · · · · · · · · · · · ·		PUDUCHERRY ENVIS HUB HOST CENTE: PROUCHERRY POLUMINON CONTROL COMMITTEE PLACED BY MINISTRY OF ENVIRONMENT, TORSETS CLUMATE CHANCE COVERNMENT OF RICH NEW DELHI  Volume XII-I  STATUS, OF WATER QUALITY IN THE UT OF PUDUCHERRY FOR THE YEAR 2020  January to March 2021

### 9.2. Other publications/ information products brought out during the previous Financial Year (2019-2020):

Publication/ Product  Mobile App.	<b>Date</b> 05.06.2020	Theme(s)/ Subject Area(s)  Puduvai Patchi	Number of copies printed and circulated Completed	URL of the PDF File in ENVIS Website	Cover snapshot
Posters Earth Day	22.04.2020	Climate action	200 copies		PRINCIPATION STATES HOUR  Brand Cartin & Bedrichtung Palleting Casatas Caracatitics  Branchally, Marking Clauder and and News 13 in Interest Marking  World Cartin Days  World Cartin Days  Line States of the State
International Day for Biological Diversity (IDB)	22.05.2020	Our solutions are in nature	200 copies		22 I'M MAY 2020  22 I'M MAY 2020  INTERNATIONAL BAY FOR BIOLOGICAL DIVIGISITY AND THE BIOLOGICAL DIVIGISTY AND THE BIOLOGICAL DIVIGISITY AND THE BIOLOGICAL DIVIGISTY AND THE BIOLOGICAL

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
World Environment Day (WED)	05.06.2020	Time for Nature	200 copies		Theme: : Time for Nature 1  The second of Control of Co
World Ocean Day	08.06.2020	Innovation for a Sustainable Ocean	200 copies		ENVIS HUB CENTRE PUDUCHERRY Puducherry Pediation Centrel Committee  THEME INNOVATION FOR A SUSTAINABLE OCEAN'  WORLD OCEANS DAY  B' JUNE 2020  THE HAPP Them is a ferror controlled to the record of the controlled to the controlle
International Day for Conservation of Mangrove Ecosystem	25.07.2020	Diversity and Conservation measures of Indian Mangroves	100 copies		International Day for Conservation of Mangrove Ecosystem  (**) National Managrove Ecosystem  (**) Calinate (Yange  (**) Calinate (Ya

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
World Lion Day	10.08.2020		100 copies		Together We Can Save The Lions UlonDay ENVIS HUB PUDUCHERRY Facts About Lions Male lions defend the pride's territory while remales do most of the hunting. A lion's roar can be heard from as far as 5 miles away. A lion an run for short distances at 50 mph and leap as far as 36 feet. A lion shey side of touch the ground when it walks. A lion may sleep up to 20 World Lion Day hours a day  9 definition for hunting.  9 descriptions  10 August 2020  9 descriptions  10 August 2020  9 descriptions  10 August 2020
World Elephant Day	12.08.2020		100 copies		ENVIS HUB PUDUCHERRY Puducherry Poliution Control Constitue  Agent  Agent  Bringing the world together to help elephants  @ genelolology
World Mosquito Day	20.08.2020		100 copies		ENVIS HUB DUDUCHERY PUDUCHERY POLUTION CONTROL COMMITTE Funded by Ministry of Environment, Forest & Climate Change Col. Revo Dahl WORLD MOSQUITO DAY 2020  RINGSQUITODAY  @ generichshelpery ### Committee ###

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
International Day for the Preservation of the Ozone Layer	16.09.2020	Ozone for Life - 35 Years of Ozone Layer Protection	100 copies		ENVIS HUB PUDUCHERRY PUDUCHERRY POLUTION CONTROL COMMITTEE Fundant by Mining of Transparent, Fund & Commercial Control  WORLD  OZONE  DAY  SAVE OZONE LAYER  THEM:  ***TARKET OF LOTE OF TRANSPARENT OF LOTE OF TRANSPARENT OF LOTE OF TRANSPARENT OF LOTE OF TRANSPARENT OF TRANSPA
World Water Monitoring Day	18.09.2020		100 copies		ENVIS HUB PUDUCHERY PUDUCHERY POLUTION CONTROL COMMITTE PUBLIC PROPERTY POLUTION COMMITTE PUBLIC PROPERTY PUBLIC PROPERTY POLUTION COMMITTE PUBLIC PROPERTY POLUTION COMMITTE PUBLIC PROPERTY PUBLIC PROPERTY PUBLIC PROPERTY PUBLIC PROPERTY PUBLIC
Zero Emission Day	21.09.2020		100 copies		ENVIS HUB PUDUCHERRY PUDUCHER POLLON TO CONTING CONTING Andred by beingry of four source forest & Great Charge  #ZEDDY  ZERO EMISSIONS DAY  The Global 24 hour Moratorium on the use of recommend Andrew of the conting of the continue of the conti

Publication/ Product		Theme(s)/ Subject Area(s)	printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
International E- Waste Day	14.10.2020		100 copies		PUDLICHERRY POLLUTION CONTROL COMMITTEE  EVIS HUB PUDLICHERRY  THORY TO WARD AND THE COMMITTEE  TO THE COMMITTEE  THE COMMITTE
Salim Ali's Birth Anniversary	12.11.2020		100 copies		ENVIS HUB PUDUCHERY  BUCULERY POLUTION CONTROL COMMITTEE  Funded spirately and for the body  12 NOVEMBER 2020  #Birdmonofindia  Solim Moisundin Abdul All  For All Solimania Solimania  O SITUAL  17 November  17 November  O SITUAL  Tringe 200  Trin
National Pollution Control Day	02.12.2020		100 copies		Covernment of Puducherry Puducherry Pollution Control Committee ENVIS Nub Puducherry NATIONAL POLLUTION CONTROL DAY  20 05 0 20 21  CENTRE FOR STATE AND

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
World Soil Day	05.12.2020		100 copies		WHERE EOOD BEGINS  WORLD SOIL  DAY 2020  © EMBARRADE OF BEGINS  DAY 2020  © STANDARD OF BEGINS  DAY 2020  DAY 2020  © STANDARD OF BEGINS  DAY 2020  DAY 2020  © STANDARD OF BEGINS  DAY 2020  DA
World Energy Conservation Day	14.12.2020		100 copies		ENVIS HUB PUDUCHERRY  Potaskery National Control Consents  Book Marry National Control Consents  World Energy Conservation Day  14° Dec 2020  "Energy conservation is the foundation of energy independence."  — Thomas H. Alien  — Potaskery (** 20051488 Auduley)
Bhogi Festival	13.01.2021		100 copies		THE CONTRIBUTION OF THE CO

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
World Wetlands Day	02.02.2021	Wetlands and Water	100 copies		INSEPARABLE  World Wetlands Day Wetlands and Water  ENVIS HUB PUDUCHERY  FOR HUB PUDUCHER
National Science Day	28.02.2021	Future of STI: Impacts on Education, Skills and Work	100 copies		SCIENCE DAY  Consequence of the distance of the Consequence of the Con
Pamphlet					
World Environment Day	05.06.2020		100 copies		Colorion of Inscircus)  Transferror y rough 1 to 1 t

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
International Day for Conservation of Mangrove Ecosystem	25.07.2020	Diversity and Conservation measures of Indian Mangroves	100 copies		FINAL PRINTED BY THE
World Lion Day	10.08.2020		100 copies		The Control of Control
World Elephant Day	12.08.2020		100 copies		THREATS CLEPHANTS ARE FACING  ***  ***  ***  ***  ***  ***  **  **

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
World Mosquito Day	20.08.2020		100 copies		World Moquito Days  World
International Day for the Preservation of the Ozone Layer	16.09.2020	Ozone for Life - 35 Years of Ozone Layer Protection	100 copies		The control of the co
World Water Monitoring Day	18.09.2020		100 copies		PUDUCHERY ENUS HUB  For Center Publishing Refore County County County County County  For Center Publishing Refore County

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
International E- Waste Day	14.10.2020		100 copies		For them and Recognize  Sample of the Recogniz
Bhogi Festival	13.01.2021		100 copies		ENVIS HUB PUDUCHERRY  HOST CENTRE: PUDUCHERRY  HOST CENTRE: PUDUCHERRY  HOST CENTRE: PUDUCHERRY POLIUTION CONTROL COMMITTEE  CONCRETE ON LINEAR POLIUTION CONTROL  CONTROL CONTROL CONTROL  CONTROL  CO
World Wetlands Day	02.02.2021	Wetlands and Water	100 copies		Puduchery ENVIS Hub  And Come Advance Planes and a Come

Publication/ Product	Date	Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF File in ENVIS Website	Cover snapshot
Calendar					
Monthly Science Calendar, 2021	04.01.2021	Science Calendar			ANUARY / 61
Yearly Science Calendar, 2021	04.01.2021	Science Calendar			Parking this No.

# 10. ENVIS Website (ENVIS Centres whose Website has been restructured may provide the Performance Report/Graphs generated therein wherever possible):

10.1.	URL:	https://dste.py.gov.in/Envispdy/		
10.2.	Status of restructuring of Website:	Restructured (Completed)	Not restructured	
10.3.	Frequency of updating Website:	Regular		
10.4.	Subject-specific database updation (numeric/ others):	Status of Environment and related issues		
10.5.	Publication uploaded/ updated on Website:	Yes		

# 11. User Engagement and Interaction (ENVIS Centres whose Website has been restructured may provide the Performance Report/Graphs generated therein wherever possible):

11.1.	Total number of visits on Website:	Total No. of visitors: 2335 Year: Jan 2020 to Dec 2021
11.2.	Number of unique visits on Website:	Total No. of Unique Visitors: 1212
11.3.	Number of reports downloaded/ read by stakeholders:	No. of download / read: 233

#### 11.4. Query-Answer Statistics:

Mode of Query Receipt	Number of Queries Received	Number of Queries Responded	Reasons for shortfalls, if any, and action taken to rectify
Online	36	36	
Email	22	22	
Postal	-	-	
Physical	7	7	

User engagement and interaction	FY 2019-2020	FY 2020-2021
i. Total number of visits	1993	2335
ii. Number of unique visits	729	1212
iii. Reports Downloaded/Read	186	233
iv. Total Number of Queries received	71	65
v. Number of Queries responded	71	65
vi. Grade received	-	-

# 12. Implementation of Annual Plan of Activities of the previous Financial Year (2021-2022):

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefor
Centre's proposed activities 2021 - 2022		
1. Updation & maintenance of Redesigned ENVIS Website	Yes	
2. Regular updation of databases	Yes	
3. Newsletters, Information Products	Yes	
4. Upload of information on all aspects of environment	Yes	
5. Upload books, reports, <i>etc.</i> on the ENVIS website	Yes	
6. Compilation of abstracts, bibliography, news articles, events etc. on the subject area and uploading of the same in the relevant sections of ENVIS website	Yes	
7. Query Response Service	Yes	
8. Reference databases	Yes	
9. Participation in ENVIS workshops / Seminars /Brainstorming Sessions	Yes	
Collection and Compilation of Information and Data		
1. Development and regular updation of <i>databases</i> (descriptive, numeric, pictorial, geospatial, etc.) on the assigned subject area and regular uploading of the same in the <i>Subject Area</i> section of the ENVIS Website, after due verification/ authentication, with suitable referencing of data sources.	Ongoing, Regular	
2. Compilation of <i>Abstracts</i> , <i>Bibliography</i> , <i>News articles</i> , <i>Events</i> , <i>etc.</i> on the subject area and uploading the same in the relevant section of ENVIS Website.	Ongoing, Regular	
3. Identification of data gaps and formulation with implementation of action plan to fill them.	Ongoing, Regular	

Maintenance of ENVIS Website and User Engagement through it		
4. Maintaining the ENVIS Website up-to-date and user- engaging, and as an inventory of authentic and reliable information in the subject area	Ongoing, Regular	
5. Query-Response/Referral service to stakeholders.	Yes	
6. Developing and upgrading a Kids' Corner.	Ongoing, Regular	
7. Maintaining a disaggregated record of visitors, including unique visitors, to the Website.	Ongoing, Regular	
Publications and Value-Addition		,
8. Publishing 4 <i>Newsletters</i> and uploading the same in the relevant section of ENVIS Website.	Ongoing, Regular	
9. Processing/ analyzing data collected and bringing out value-added information Products	Ongoing, Regular	
10. Collecting books, reports and journals on the subject area; Uploading eversions of books, reports, etc. on the ENVIS Website. Uploading Abstracts of books, reports, journals and articles of those whose e-versions are not available.	Ongoing, Regular	
Other activities	Nil	
Completion of data entry in all respects for ISBEID pertaining to modules (up to 2020		
-21), namely:		
- Administrative Profile	Completed	
- Demographic		
- Economic		
- Climate and Disaster Occurance		
- Natural Resources		

		T	
- V	Water Resources		
- F	Ecology		
- I	nfrastructure		
- A	Agriculture		
- A	Animal Husbandry and Fisheries		
- I	ndustries and Mining		
- F	Energy Stock & Production		
- F	Pollution		
- V	Waste		
- I	Health		
- I	Heritage and Tourism		
- F	Funds Allocated For Environmental Protection, Resource Management And		
F	Engagement		
Sugges	tions for improvement by Processing Division, MoEF		
Miscell	aneous observations:		
- N	More productive use of ISBEID data by publishing papers, analysis reports,		
e	etc.	Ongoing,	
	Jpdate ISBEID data more frequently. Use more modules. Complete back	Regular	
	lata entry.		
	Authenticate data and use proper references/citations in both ISBEID and Website. Provide references to only published/verifiable sources.		
	Develop better content to engage and elicit public participation, visits,		
	queries and downloads etc. to the website.		
- I	Develop more value-added products such as books, SoER, CD/DVDs,		
5	Software and databases etc.		

13.	New initiatives taken during the previous Financial Year (2020-21):	Conducted Green Skill Development Programme in Pollution Monitors: Air and Water Pollution – 2020- 2021.
14.	Date of most recent physical verification by the Ministry:	December 2018 Dr. Anandi Subramanian, Senior Economic Advisor.

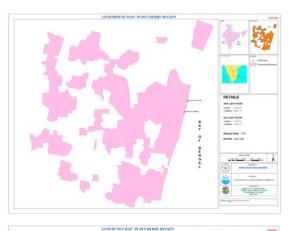
#### 15. GREEN SKILL DEVELOPMENT PROGRAMME 2020 - 2021

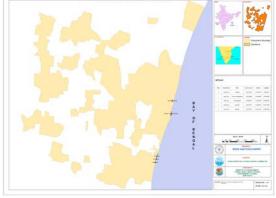
Puducherry ENVIS Hub in Puducherry Pollution Control Committee imparted GSDP course in "Pollution Monitoring: Air and Water Pollution" at level- 6 at Dr. Abdul Kalam Science Centre and Planetarium, Lawspet, Puducherry. The training programme was conducted for a period of 30 working days (10h February to 19th March 2021, 260 hours) and the training module included theoretical, practical, field visits The number of participants were 30 from various assignments. background from PAN India. In addition, hands-on training and field trips were also arranged to visit Waste Water Treatment and Air Pollution Control Measures adopted in various industries in order to provide a real time exposure. Lectures on various topics of Pollution Monitors: Air and Water pollution i.e., Our Hydrosphere, water chemistry, water pollution, sources of pollutants and effluents, inventorisation of sources of Water pollution, monitoring techniques, water quality management, impacts of water pollution and from Air Pollution syllabus i.e., our atmosphere, introduction about air pollution, meteorology, sources, monitoring, air quality management and impacts of air pollution were also imparted to motivate the participants to become entrepreneurs and for seeking self-employment.

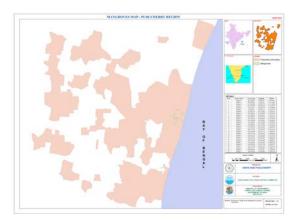


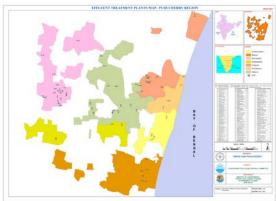
# 16. National Environment Survey – Gird Based Decision Supporting System (GRIDSS):

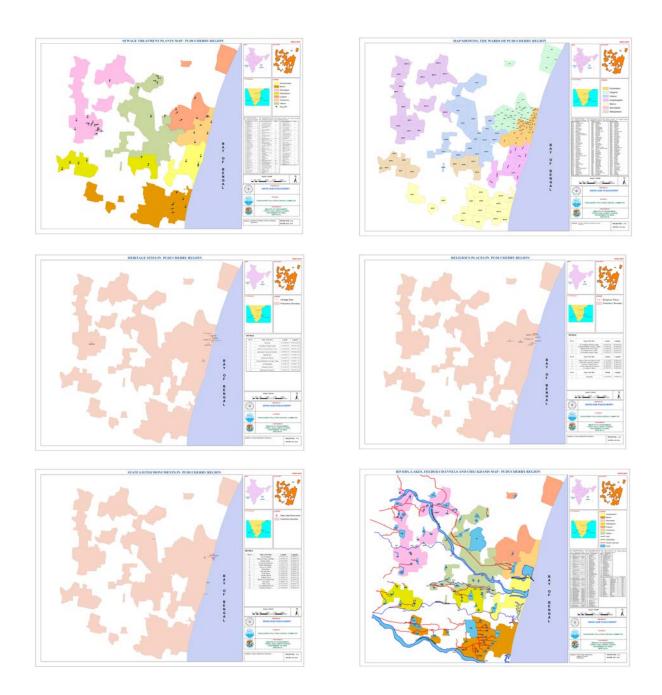
The Envis Hub Puducherry has taken steps for carrying out the works relates to the GRIDSS. Under this centre has to carry out survey of designated districts in a phased manner. The country would be divided into grids of 50 x 50 km; however, district wise grids would measure 9 x 9 km or less depending on the terrain, for effective survey of various environmental parameters such as air, water, noise, soil quality, solid, hazardous & e-waste, forest & wildlife, flora & fauna, wetlands, lakes, river & other water bodies, public health etc. Lighthouse, Mangroves, Sanddunes, ETP, STP, Puducherry Commune Boundary, Water Body of Puducherry, Heritage sites, Religious sites and State Listed Monuments. Secondary Data Collection for the selected districts were completed.









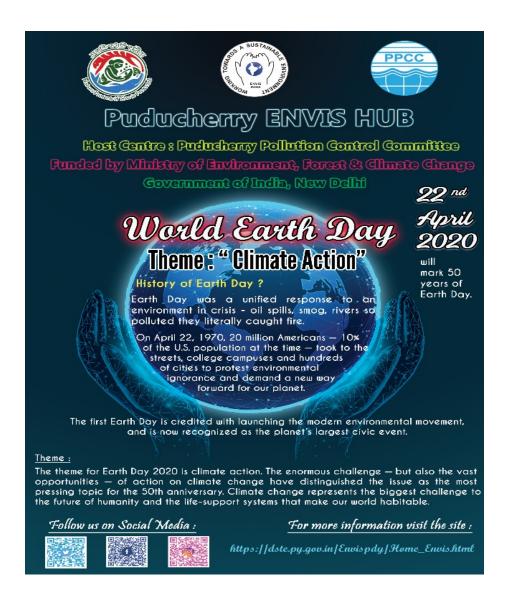


# 17. TRAINING, EXTENSION, AWARENESS AND OUTREACH ACTIVITIES DURING 2020- 2021:

#### 17.1 CELEBRATION OF WORLD EARTH DAY

**Earth Day is** an annual event **celebrated** around the world on **April 22** to demonstrate support for environmental protection. A month later a United States Senator Gaylord Nelson proposed the idea to hold a nationwide environmental teach-in on **April 22**, 1970. The Theme for Earth Day 2020 was Climate action.

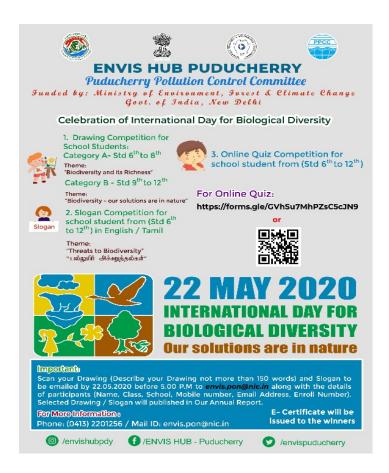
As a part of the "Earth Day", the Puducherry ENVIS Hub Centre released awareness Poster on 22.04.2020.



#### 17.2 CELEBRATION OF INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY

The United Nations has proclaimed May 22. The International Day for Biological Diversity (IDB) to increase understanding and awareness of biodiversity issues. When first created by the Second Committee of the UN General Assembly in late 1993, 29 December (the date of entry into force of the Convention of Biological Diversity), was designated The International Day for Biological Diversity. The theme of this event "Our solutions are in nature".

As a part of the "International Day for Biological Diversity", the Puducherry ENVIS Hub Centre organized the following activities on 22.05.2020.



Conducted Online Quiz for the school students from Std 6<sup>th</sup> to 12<sup>th</sup> on the topic "Conservation of Biodiversity". Around 85 contestants were participated in the event and all the participants were issued with Ecertificate.

#### **Drawing Competition:**

Conducted Online Drawing competition for the school students from Std 6<sup>th</sup> to 8<sup>th</sup> on the topic "Biodiversity and its richness". Around 26 contestants were participated in the event. The prizes were distributed for the selected winners.



**First Prize** Kirubakaran. R



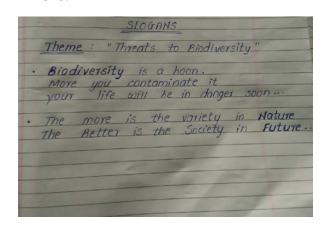
**Second Prize** Shanmugarayar. R



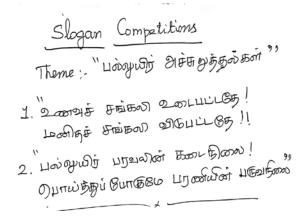
**Third Prize** Swedha. S

#### **Slogan Competition:**

Conducted Online Slogan competition (English & Tamil) for the school students from Std 6<sup>th</sup> to 12<sup>th</sup> on the topic "Threats to Biodiversity". Around 11 contestants were participated in the event and the prizes were distributed for the selected winners.



First Prize (English) Labina Saral. M



First Prize (Tamil) Soundary. S

#### 17.3 CELEBRATION OF WORLD ENVIRONMENT DAY & WORLD OCEANS DAY

World Environment Day (WED) is most renowned day for environmental action. Since 1974, it has been celebrated every year on 5<sup>th</sup> June; engaging governments, businesses, celebrities and citizens to focus their efforts on a pressing environmental issues. Theme of this year's edition is **"Time for Nature"** with a focus on its role in providing the essential infrastructure that supports life on Earth and Human Development.

Further, every year World Ocean Day is celebrated on 8<sup>th</sup> June since 2009 in order to raise global awareness regarding the challenges faced by international community. This year, the day will convene under the theme "Innovation for a Sustainable Ocean".

As a part of the "World Environment Day & World Oceans Day", the Puducherry ENVIS Hub Centre organized the following activities from 05.06.2020 to 08.06.2020.

#### **Advertisement Poster:**







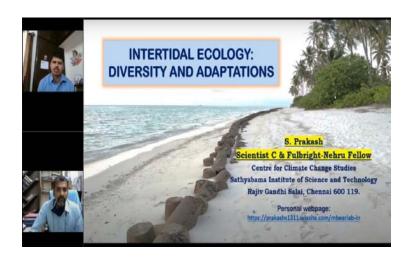


#### Activity- I

#### Webinar Series (05.06.2020 to 08.06.2020)

#### **Day** - 1

Webinar Series on the topic "Application of Remote Sensing & GIS in Oceanography" by Dr. S. Prakash, S, Sathyabama Institute of Science and Technology, Chennai on 05.06.2020. Around 110 participants from India were participated.



#### Day - 2

Webinar Series on the topic "Intertidal Ecology: Diversity and Adaptation" delivered by Dr. S. Jayakumar, Head of the Department, Pondicherry University, Puducherry and Dr. M. Bubesh Guptha, Founder Director, Universal Eco Foundation, Puducherry delivered expert lecture on "Biodiversity of Puducherry" on 06.06.2020. Around 103 participants from India were participated.



#### **Day** - 3

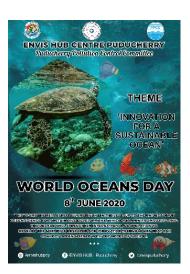
Webinar Series on the topic "Threats to Ecosystem" delivered by Mr. Muthukumar, Project Scientist, National Centre for Coastal Research, NIOT and Dr. Renjith. K.R., Scientist- B, KSCSTE – Centre for Water Resources Development and Management delivered expert lecture on "Management Challenges in Marine and Transitional Environment" on 06.06.2020. Around 94 participants from India were participated.



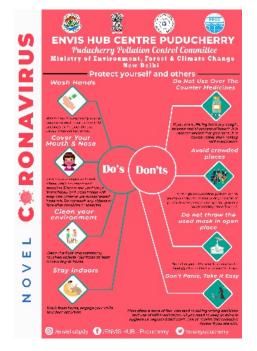
#### Poster:

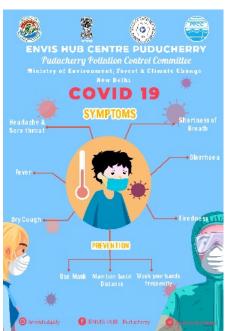














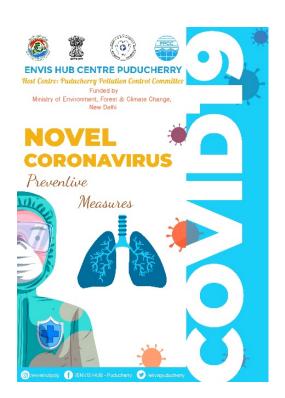


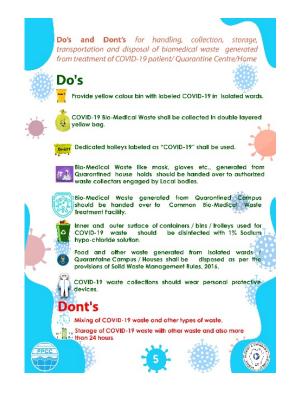




### Pamphlet:







#### Activity- II

#### Poem competition:

Conducted Online Poem competition (English & Tamil) for the Publics on the topic "Time for Nature (Biodiversity Conservation)" to generate awareness among the publics. Around 55 contestants were participated in the events and the cash prizes were distributed for the selected winners.

This Virus Jumps to That Species

ifteen years old female elephant; Amniotic fluid and a four months old call's heart found in the body;

Pyrochemical explosion damaging lower jaw and tongue.

Final cause of death: Asphyxia, as the subject stood in water, trunk down, for buoyancy.

We did very well in extinctions also last year.
Didn't you know? Let me explain:
Three bird species - Cryptic tree hunter, Alagoas foliage gleaner, Poo-uli
Two frogs - Corquin Robbor Frog, Lake oku puddle frog
A famous snail - Hawaiian tree snail named Lonesome George
One of the world's largest freshwater fishes - Chinese Paddlefish
First mammal extinction too - Bramble Cay Melomys
And several more of plants and fishes, as usual.

We also wiped out Victorian grasslands earless dragons,
Also Miss Waldron's red colobus monkeys
And killed the last female Yangtze giant softshell turtle during artificial insemination.
Disappointments though were Indo-Chinese tigers and Surnatran rhinoceros
As we could only extirpate them.
But the biggest celebration is Spix's Macaw - extinct in the wild!

Come, let's celebrate as the invincible human species that we are! What did you say? Coronavirus? Killing humans? Impossible! But how can this happen? Vanishing wild spaces caused this, you say? So parasites and pathogens run amok! No! We are the superabundant species now Unbuffered by the vast array of other species And easy prey for zoonobic viruses Human-meat market for predators!

When this virus jumps to that species, With biological annihilation everywhere

Extinction of one species wiping out many more Remember this, next time a frog dies in Ousteri lake, It is one step less for the virus to jump to you!

Biodiversity in its full range protects you The last generation we are, who knows What was, what is and what will be of our nature.

**இயற்கையை போற்றுக**ல் (ക്ഷിക്ഷം) (பல்னுயிர் பாதுகாப்பு)

(பக்கதுப்பிர் பாதுகளப்பு)
மனிதன் அன்ற கடித்தில்
கழுனி கடித்தில் கழுனிகளை உதன்றோ!
கழுனிகளை எல்லைம் கட்டிடமாக்கினான்;
குன்றோ! முரங்களை நடிற மண்ணைக் காந்நாம்
இன்றோ! முரங்களை நடிற மண்ணைக் காந்நாம்
நண்றோ! முரங்களை நடிற மண்ணைக் காந்நாம்
நண்றோ! முரங்களை கடிதிரமாக்கினான்;
நண்றோ நடித்து கடிதிருக்கு கடித்தோன்;
கடித்துகள் நீன்றந்த எல்லைகளைக் கொடுத்தான்;
கடித்துகள் நீன்றந்த கடின்னைறான்,
மாக்கு நமன்கை நடிதிரமாக்கினான்;
குறபுடுல் வளர்க்கி என்ற வபடிரில்
இயற்கைகளை எல்லைக்
தோம்கை கணங்களை எல்லைக்

நாரண்ணை எழுவதுள்ளர்.
நாரண்ணைக்கை எழுவதுள்ளர்.
காழிவு நிறையுள்ள நாரண்ணைக்கள் கண்ணக்கள் கண்ணன்கள் கண்ணன்கள் கண்ணன் திறுவிக்கு நாசங்கள் கண்ணன் திறுவிக்கு நாசங்கள் கண்ணைக்குறான்ற இவற்கை நாசங்கள் கண்ணைக்குறான்ற இவற்கை நாசங்கள் கண்ணைக்குறான்ற இல்லையத் நிறுவிக்கை என்றை நாசங்கள் கண்ணன் திறுவிக்கு நாசங்கள் கண்ணன் திறுவிக்குறை கண்ணுக்குறு பண்ணிக்கை கண்ணக்கள் நாக்கை கண்ணுக்குறு கண்ணிக்குற்குறை கண்ணைக்கள் கண்ணுக்குறி கண்ணைக்கள் கண்ணுக்குறி கண்ணைக்கள் கண்ணுக்குறி கண்ணைக்கள் கண்ணுக்குறி கண்ணைக்கள் கண்ணுக்குறி கண்ணைக்கள் கண்ணுக்குறி கண்ணுக்குறி கண்ணுக்கள் என்னைக்கள் கண்ணுக்குறி கண்ணக்கள் என்னைக்கள் கண்ணுக்குற்கள் கண்ணுக்குறி கண்ணக்கள் என்னைக்கள் கண்ணுக்குறி கண்ணக்கள் என்னைக்கள் கண்ணுக்குறி கண்ணக்கள் என்னைக்கள் கண்ணுக்குறி கண்ணக்கள் என்னைக்கள் கண்ணுக்குறின்றனர். கண்ணுக்கு வண்ணக்கள் கண்ணுக்கிறன் கண்ணுக்கிறன் கண்ணுக்கள் கண்ணன்கள் கண்ணுக்கள் கண்ணுக்கிறன் கண்ணுக்கள் கண்ணன்கள் கண்ணுக்குறன் கண்ணுக்கள் கண்ணன்கள் கண்ணனன்கள் கண்ணன்கள் க

வெறிஞ்றமையாக வேட்டையாடுகின்றன; ஒன் இந்த அவலம்? ஓரயாய், ஓம் மக்கையாத் தாங்கிய இரந்கை, உள்ளைன இதன்று செர்ந்தோய் பாழ் அழிக்கத் குதயங்கிகிட்டாள்; இரிந்தை காத்து நிற்போம்; யாக்கும் இடமைல்லாம் பட்டு விட்ட பசுமையை மீ.ப் எழித்திரிகோய்; பறு வேண்கும் பண்டும் பயற்றப்பட வேண்டியது இன்னைக்கையின் மண்ணம்

First Prize(English)

Sibila Ramakrishnan

First Prize (Tamil)

Santhosh. V

Conducted Online Quiz for the school students for General Publics on the topic "Time for Nature". Around 117 contestants were participated in the event and all the participants were issued with E-certificate.

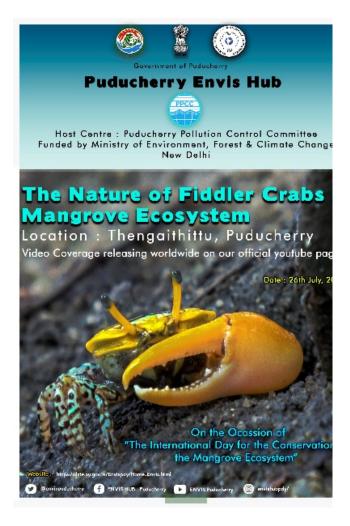
# 17.4 INTERNATIONAL DAY FOR CONSERVATION OF MANGROVE ECOSYSTEM

Puducherry ENVIS Hub conducted online Webinar on the topic "Diversity and Conservation measures of Indian Mangroves" delivered by Dr. P. Ragavan Post-Doctoral Fellow, Physical Research Laboratory, Ahmedabad and released in-house educational video developed by Puducherry ENVIS Hub on "The Nature of Fiddler Crab in Mangrove Ecosystem" held on 25.07.2020 on the eve of International Day for Conservation of Mangrove Ecosystem.

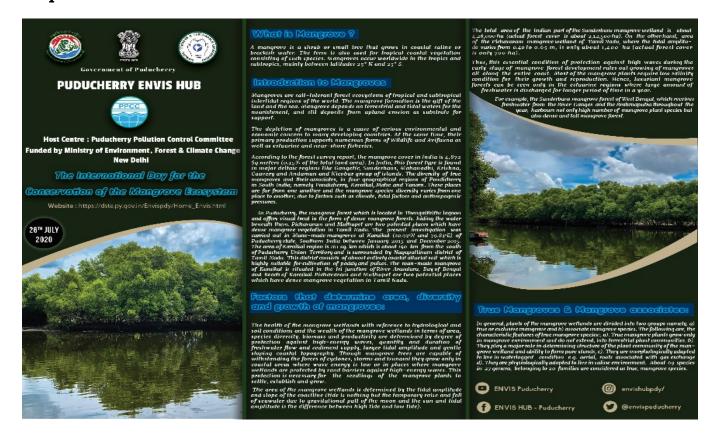
Awareness poster and pamphlet were released digitally during the occasion to spread the message about conservation of mangrove ecosystem.

#### **Poster**





## **Pamphlet**

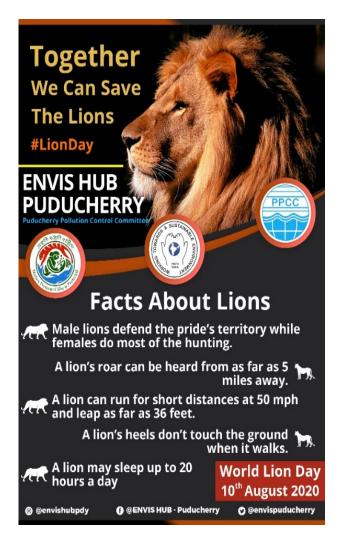


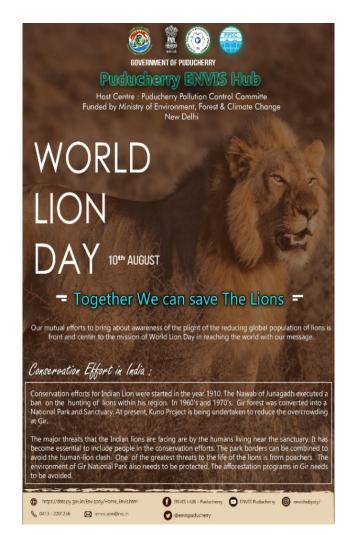


#### 17.5 CELEBRATION OF WORLD LION DAY

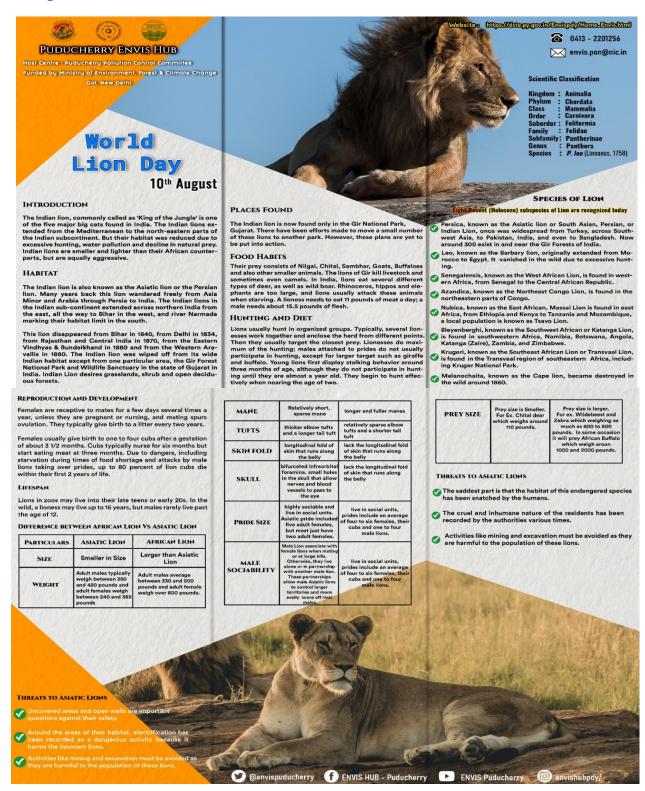
Puducherry Envis Hub released awareness Posters and Brochure on the eve of World Lion Day held on 10.08.2020. The value added products was designed to highlight the facts, habitat, food habit, hunting etc. Awareness Posters & Brochure were released in online during the occasion. To spread the message about the conservation of lion.

#### **Poster**





#### **Pamphlet**



#### 17.6 CELEBRATION OF WORLD ELEPHANT DAY

World Elephant Day has been celebrated from the year 2011. It is a day to honor elephants, to spread awareness about the critical threats they are facing, and to support positive solutions that will help ensure their survival.

Conducted online Webinars on the topic "Elephant- The Keystone Species in Biodiversity Conservation" delivered by Dr. B. Ramakrishnan, Assistant Professor, Department of Zoology & Wildlife Biology, Government Arts College, Udhagamandalam & Dr. S. Jayakumar, Assistant Professor, Department of Zoology & Wildlife Biology, A.V.C. College, Mannampandal, Nagapattinam District, Mayiladuthurai delivered the topic on "Asian Elephant: Then and Now" held on 12.08.2020 on the eve of World Elephant Day. The publics enthusiastically participated in the above said webinars. Nearly 85 publics were participated in the event.



Webinar delivered by Dr. B. Ramakrishnan, Assistant Professor, Department of Zoology & Wildlife Biology, Government Arts College



Webinar delivered by Dr. S. Jayakumar, Assistant Professor, Department of Zoology & Wildlife Biology, A.V.C. College

#### Poster:

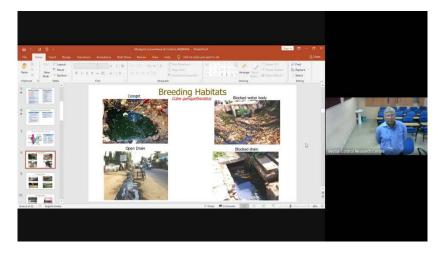


#### 17.7 CELEBRATION OF WORLD MOSQUITO DAY

Every year August 20th is celebrated as World Mosquito Day. It was first established in the year 1897, when the link between mosquitoes and malaria transmission was discovered by Sir Ronald Ross. It aims to raise awareness about the causes of malaria and how it can be prevented, as well as fundraising for research into the cure of malaria.

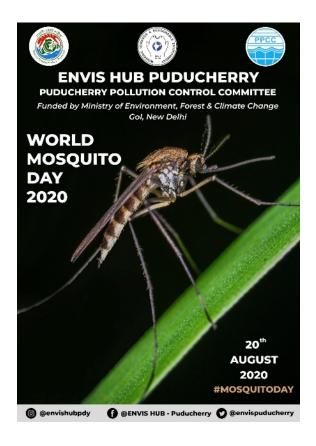
Conducted online Webinar on the topic "Mosquito Surveillance and Control" delivered by Dr. A. N. Shriram, Scientist –C, ICMR - Vector Control Research Centre, and Puducherry on 20.08.2020. Nearly 70 publics were participated in the event.



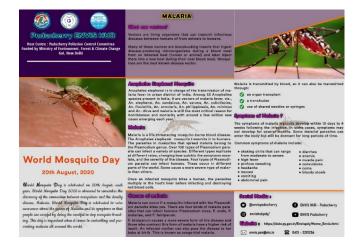


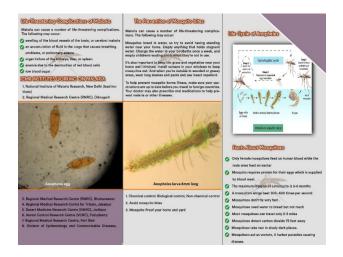
Awareness poster and pamphlet were released digitally during the occasion to spread the message about control of mosquitoes.

#### POSTER:



#### **BROCHURE:**





#### 17.8 CELEBRATION OF WORLD OZONE DAY

The International Day for the Preservation of the Ozone Layer, more generally known as the World Ozone Day, is celebrated on the 16<sup>th</sup> of September every year, commemorating the date on which the Montreal Protocol for the abatement of substances that deplete the Ozone Layer was signed in 1987. Every year, the UN Environment Programme will declare a specific theme to protect and preserve the ozone layer. The theme for 2020 is "Ozone for Life - 35 Years of Ozone Layer Protection".

The Ozone Layer shields the Earth from most of the sun's harmful ultraviolet radiation. In the late 1970s, scientists discovered that ozone-depleting substances used in aerosols and refrigerants in refrigerators and air-conditioners is creating a hole in this protective shield, popularly known as the Ozone Hole. This hole allowed the harmful UV rays penetrate through Ozone layer increased the cases of skin cancer and cataracts, and damaged plants, crops, and the ecosystems.

As a part of the "World Ozone Day" Puducherry Pollution Control Committee (PPCC) through ENVIS Hub and Puducherry Puducherry Climate Change Cell (PCCC) organized the following activities on 16.09.2020.



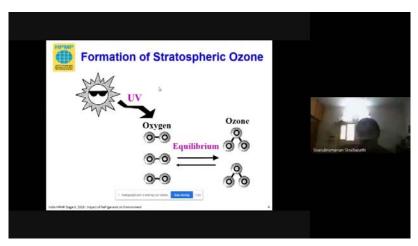
Welcome Address was given by Mr. Nagalla Srinivasa Rao, Scientific Officer, DSTE



Opening Remarks has been given by Dr. R. Sagaya Alfred, Senior Scientific Officer, DSTE.

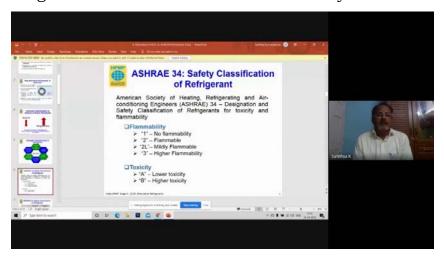
#### Webinar Session 1

Thiru. S. Kanagasabapathi, Technical Trainer, HPMP Training Project under GIZ and Ministry of Environment, Forest & Climate Change, Govt of India, New Delhi delivered the expert lecture on "Ozone Depletion and Global warming" on the eve of World Ozone Day.



#### Webinar Session 2

Thiru. R. Kamalakannan, Organizer-cum-Technical Trainer, HPMP Training Project under GIZ and MOEF & CC, Govt of India delivered expert lecture on "Environmental Refrigerants" on the eve of World Ozone Day.



The skill development online webinar program would help the Polytechnic students, School students and General public. It was highly useful to the students who are studying in Mechanical (Refrigeration and Air-conditioning) and Electrical Disciplines to handle the refrigerant and air conditioner gases effectively which otherwise leads to environmental issues. Nearly 70 participants participated in the event and all the participants were issued with E-certificate.

## **Activity 2:**

Organized an interactive session with Industries to promote reduction and elimination of chemicals that destroy the Ozone layer and encouraged them to take green pledge towards the use of ozone-friendly chemicals.



Photoclips: M/s. Chemfab Alkalis Limited, Kalapet



Photoclips: M/s. Lucas TVS, Nettapakkam

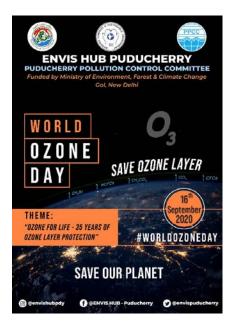


Photoclip from M/s. Hindustan Unilever Limited, Bahour

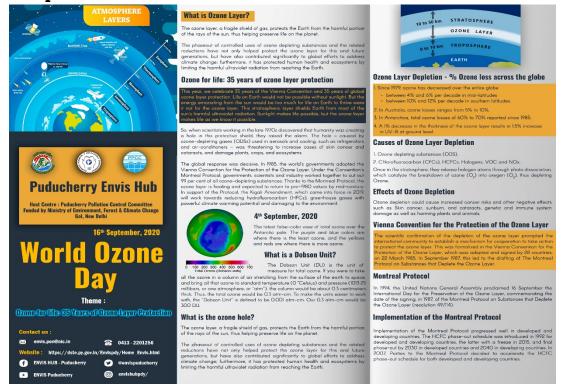
Awareness poster and pamphlet were released digitally during the occasion to spread the message about the protection of Ozone layer.

#### **Poster:**





#### **Pamphlet**

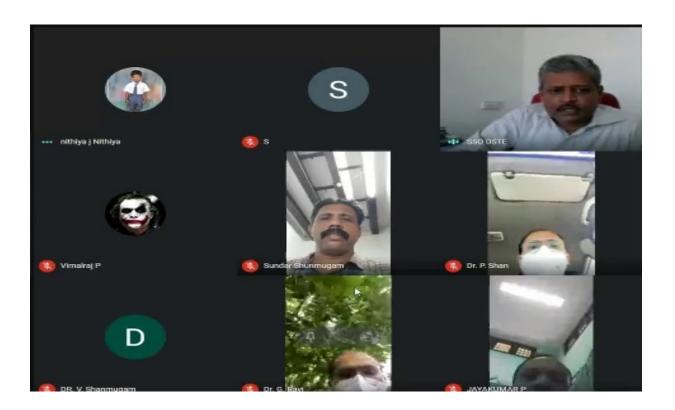


#### 17.9 CELEBRATION OF WORLD WATER MONITORING DAY

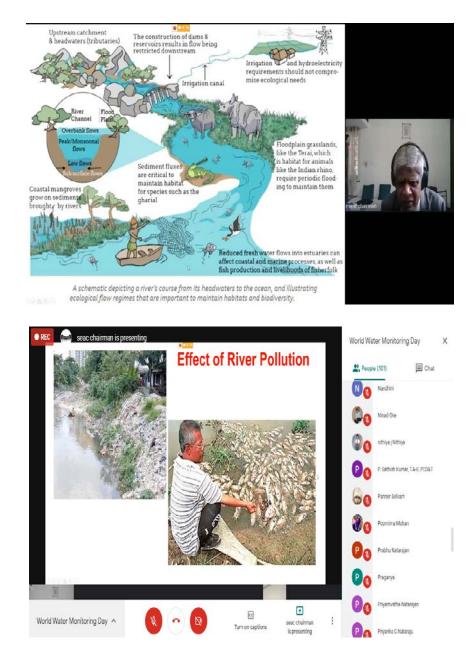
World Water Monitoring Day commemorated on 18<sup>th</sup> of September, every year, is an international education and outreach program started with an aim of public awareness on the importance of protecting water resources around the world by engaging people to conduct basic monitoring of their local water bodies.

The day engages people of all ages in monitoring the condition of local river, streams, estuaries and other waterbodies. The objective is to teach participants about some of the most common indicators of water health viz., Colour, Odour, pH, Turbidity etc. by conducting simple monitoring tests which encourages further participation in more formal citizen monitoring efforts.

Dr. R. Sagaya Alfred, Senior Scientific Officer, Department of Science, Technology & Environment, Puducherry welcomed the Expert and participants and also gave a brief introduction and highlighted the importance of celebrating World Water Monitoring Day.

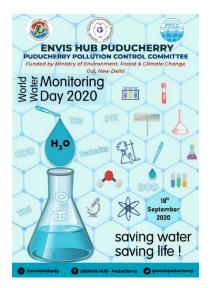


Conducted online Webinar on the topic "Emerging Contaminants in River Water Quality: Issues and Measurements" delivered by Dr. S. Mohan, Professor, Department of Civil Engineering, Indian Institute of Technology, Madras. The publics enthusiastically participated the above said event. Nearly 105 publics participated in the event.



Awareness poster and pamphlet were released in online during the occasion to spread the message about the importance and conservation of waterbodies.

#### Poster:



#### **Brochure**





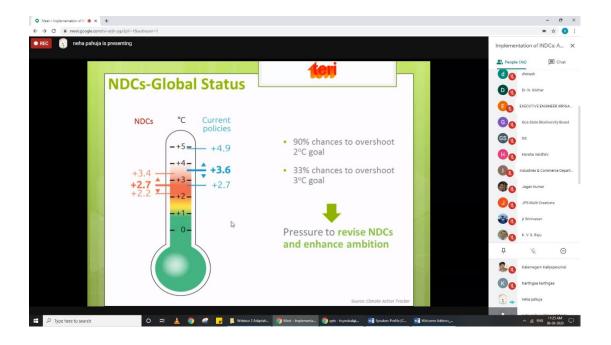




# 17.10 WEBINAR SERIES ON "CLIMATE CHANGE: NET ZERO EMISSION PATHWAYS"

Puducherry Climate Change Cell along with Puducherry Envis Hub organized online webinar series on 21.09.2020. The webinar includes the following sessions:

Session	Title	Speaker	
Session 1	Exploring CO <sub>2</sub> reduction from Renewable Energy Sources	Dr. G. Renuka Devi, Associate Professor, MVIT, Puducherry.	
Session 2	Achieving net-zero emissions for Puducherry: Applying lessons from around the world	Mr. William Hall, Industrial Energy Efficiency & Sust. Technology, Associate Fellow, TERI.	
Session 3	Mr. Mohammed Subhan Khan, Renewable Energy and its importance Technology Applications, Research Associate, TERI.		



#### 17.11 CELEBRATION OF E-WASTE

International E-Waste Day was organized in 2018 by the WEEE Forum with the support of its members. The day is used to raise the public profile of e-waste recycling and encourage consumers to recycle their e-waste with the resulting increase in e-waste recycling rates on the day itself and into the future.

As a part of the "International E-Waste Day", the Puducherry ENVIS Hub Centre organized an online webinar on 14.10.2020.

Shri. S. Devaanandan, Assistant Environmental Engineer (AEE), Puducherry Pollution Control Committee welcomed the Experts and participants and also gave a brief introduction and highlighted the management of E- Waste.

#### Webinar Session 1

Smt. K. Nalini, Environmental Engineer (EE) TNPCB, Coimbatore delivered expert lecture on "E-Waste Management for Better Environment" on the eve of International E-Waste Day. The participants enthusiastically participated in the above said event.



#### Webinar Session 2

Shri. Navin, Technical Engineer, ViroGreen Indian Pvt. Ltd., Puducherry delivered expert lecture on **"E-Waste Management by ViroGreen"** on the eve of International E-Waste Day. The public and industries enthusiastically participated in the above said event. Nearly 190 participants participated in the event.



Awareness pamphlet were released through online during the occasion to spread the message about the impacts and management of E-Waste.



#### 17.12 CELEBRATION OF SALIM ALI'S BIRTH ANNIVERSARY

Salim Moizuddin Abdul Ali was born on 12<sup>th</sup> November 1896 in Mumbai. He is one of the greatest ornithologists & naturalist and is also known as the "Birdman of India". The first Indian to conduct systematic bird surveys across India and his books on birds helped to develop ornithology in the sub-continent. This Birdman of India was the key figure behind the Bombay Natural History Society, after 1947. He was awarded India's second highest civilian honour, the Padma Vibhushan in 1976.

#### Wetland Walk:

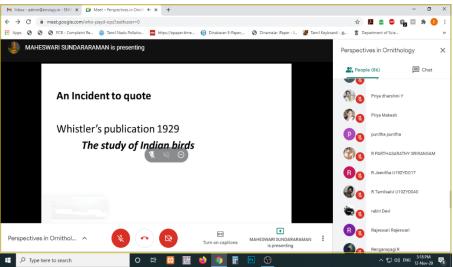
Dr. M. Bubesh Guptha, Founder Director, Universal Eco Foundation, Puducherry delivered outdoor talk at Oussudu Lake on "Conservation and Importance of Birds with Special Reference on Identification Techniques" on the eve of Salim Ali's Birth Anniversary on 12.11.2020 at 10.00 AM. General Public and Students participated.

#### Webinar:

Dr. A. S. Maheswari, Assistant Professor, Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli, Tamil Nadu delivered expert lecture on "Perspectives in Ornithology" on the eve of Salim Ali's Birth Anniversary on 12.11.2020 at 3.00 PM. Nearly 86 participants participated in the event.

As a part of "Salim Ali's Birth Anniversary", the Puducherry ENVIS Hub Centre organized an Outdoor Talk and Webinar on 12.11.2020.





#### 17.13 CELEBRATION OF NATIONAL POLLUTION CONTROL DAY

Puducherry ENVIS Hub released awareness posters on the eve of National Pollution Control Day on 02.12.2020. The infographic products created awareness among the peoples about environmental pollution and its disastrous consequence.











#### 17.14 CELEBRATION OF WORLD SOIL DAY

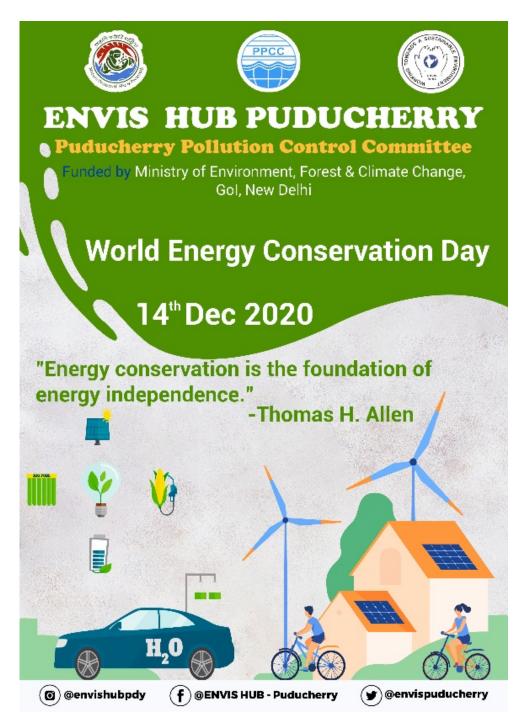
Puducherry ENVIS Hub released awareness posters digitally on the eve of World Soil Day on 05.12.2020.





#### 17.15 CELEBRATION OF WORLD ENERGY CONSERVATION DAY

Puducherry ENVIS Hub released awareness posters on the eve of World Energy Conservation Day on 14.12.2020.



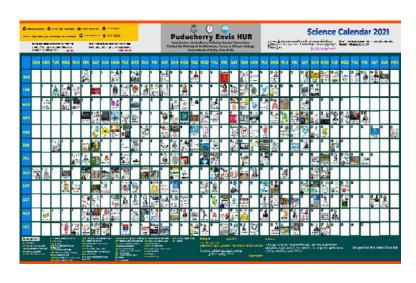
#### 17.16 RELEASE OF VALUE-ADDED KNOWLEDGE PRODUCTS

Smt. Smitha. R, I.A.S., Chairman, Puducherry Pollution Control Committee (PPCC) released Monthly and Yearly Science Calendar, 2021 in the presence of Shri. S. Dinesh Kannan, IFS, Member Secretary, PPCC on 04.01.2021 prepared by Puducherry Envis Hub. This calendar will emphasis on the importance of highlighted days in the respective month for carrying out necessary environmental, Science related activates/celebration/events.



#### **SCIENCE CALENDAR**





Monthly Yearly

#### 17.17 Celebration of BHOGI FESTIVAL

Puducherry Pollution Control Committee in collaboration with Puducherry Envis Hub organized webinar on the topic "Celebrating Eco-Friendly Bhogi" delivered by Dr. V. Gopal, Principal, College of Pharmacy, Mother Theresa Post Graduate & Research Institute of Health Sciences held on 12.01.2021. The number of participants were 92.





Awareness posters were released digitally during the occasion to spread the message of celebrating pollution free Bhogi.







#### 17.18 SELECTION COMMITTEE MEETING ON 27.01.2021

Selection Committee Meeting for the certificate course in "Pollution Monitors: Air and Water Pollution" held on 27.01.2021 at Auditorium Hall, Dr. Abdul Kalam Science Centre and Planetarium (Dr. AKSC&P), Lawspet, Puducherry organized by Puducherry Envis Hub.









#### 17.19 CELEBRATION OF WORLD WETLANDS DAY ON 02.02.2021

#### **OUTDOOR WALK**

Puducherry ENVIS Hub organized outdoor walk at Ariyankuppam River on the eve of World Wetlands Day held on 02.02.2021. Dr. M. Bubesh Guptha, Environmentalist, Founder Director, Universal Eco Foundation, Puducherry explained the "Importance of Wetlands and Water" to the participants.

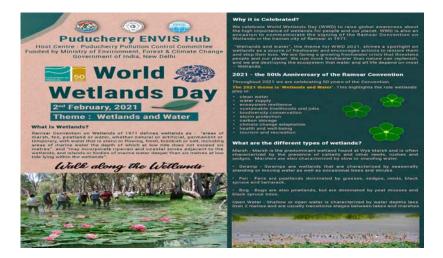


#### **WEBINAR SESSION**

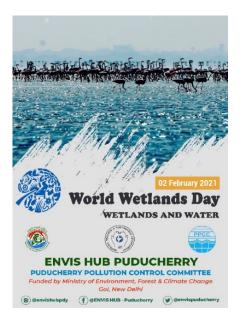
Conducted webinar on the eve of World Wetlands Day, wherein, Dr. M. Bubesh Guptha, Environmentalist, Founder Director, Universal Eco Foundation, Puducherry delivered expert lecture on "Importance of Wetlands & Wetland Birds in Puducherry Region" held on 02.02.2021. The number of participants were 86.

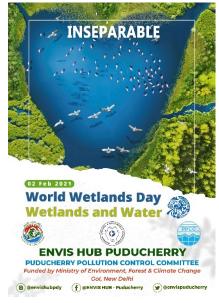


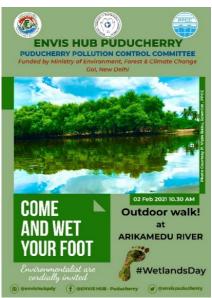
#### **Brochure**



#### **Posters**









#### 17.20 CELEBRATION OF NATIONAL SCIENCE DAY ON 28.02.2021

On the occasion of National Science Day held on 28.02.2021, the Member Secretary, Puducherry Pollution Control Committee, officials from DST&E, ENVIS Team along with the GSDP Trainees garlanded the great Indian Physicist Sir CV Raman statue followed by webinar under the theme "Future of STI: Impacts on Education, Skills and Work" organized by Puducherry Council for Science, Technology & Environment, Department of Science, Technology & Environment, Government of Puducherry.

#### **Webinar Session**

Attended webinar on the eve National Science Day, wherein, Dr. S. Vincent, Former Member Secretary, Tamilnadu State Council for Science & Technology, Chennai delivered the expert lecture on "Future of STI: Impacts on Education" & Dr. Joseph Selvin, Professor & Head, Department of Microbiology, Pondicherry University, Puducherry delivered the expert lecture on "Future of STI: Impacts on Skills and Work" held on 28.02.2021 organized by Puducherry Council for Science, Technology & Environment, Department of Science, Technology & Environment, Government of Puducherry.

#### YOUTUBE VIDEO RELEASING:

#### Coronavirus (COVID-19) Prevention



Target Groups/ Attendees/ Participants - 100 publics, 73 views

**Link:** https://youtu.be/9wo03hBmtf8?list=PLfKfLbNNLXGLj75v47J-25CKH503G\_HT1

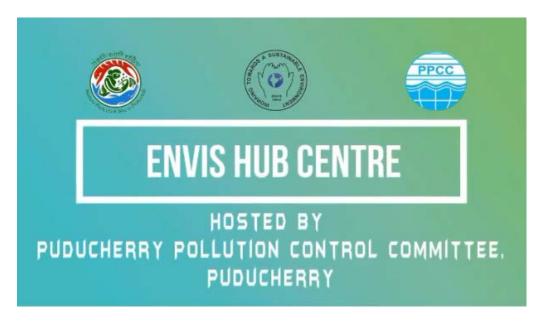
#### COVID19



Target Groups/ Attendees/ Participants - 100 publics, 32 views

**Link:** https://youtu.be/tm0o9tMAeG8?list=PLfKfLbNNLXGLj75v47J-25CKH503G\_HT1

#### **COVID 19 Stickman**



Target Groups/ Attendees/ Participants - 100 publics, 22 views

**Link:** https://youtu.be/YGUgKS0kDHw?list=PLfKfLbNNLXGLj75v47J-25CKH503G\_HT1

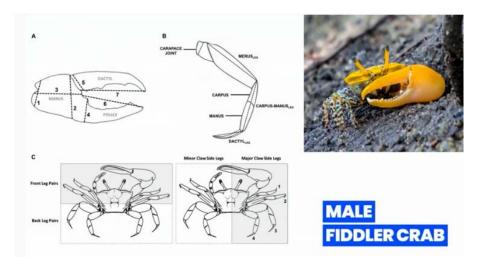
#### Hyllus (spider)



Target Groups/ Attendees/ Participants - 100 publics, 09 views

**Link:** https://youtu.be/cZMhyu5bWEM?list=PLfKfLbNNLXGLj75v47J-25CKH503G HT1

#### The Nature of Fiddler Crabs



Target Groups/ Attendees/ Participants - 100 publics, 334 views

**Link:** https://youtu.be/tKePb4oqch4?list=PLfKfLbNNLXGLj75v47J-25CKH503G\_HT1

### **Released Mobile App**

Puducherry Envis Hub, Puducherry Pollution Control Committee released Mobile Application i.e. "Patchi ENVIS HUB" on the eve of WED, 2020. This application is designed to highlight the photos of birds along with identification keys, voice, size and habitats of the birds present in the Puducherry region.





#### TRAINING ATTENDED

- Envis Team participated in the short Online Certificate Course on "Remote Sensing & GIS Technology and Application" conducted by the Indian Institute of Remote Sensing (IIRS) from 13.06.2020 to 01.07.2020.
- Envis Team attended 6 days online GIS Training from 27.07.2020 to 01.08.2020 organised by World Wide Fund ENVIS, New Delhi.

## 18. Status of existing hardware:

	Hardware item	Specification	Sanction Order with Date	Date of procurement
Procured from	Desktop-Acer-1	Intel® Corei7-2600cpu@3.40 3.40	No.11/77/2004-	04.07.2013
ENVIS Grant	Desktop-Acet-1	GHZ	EI	04.07.2013
		Installed Memory-2.00 GB	DATE:29-11-2013	
		32-Bit Operating system		
	Numeric-UPS-2Nos	Numeric Digital 600EX	do	15-07-2013
	Acer Laptop	TMP246 Computer Note Book, Intel	15.03.2016	18.03.2016
		Corei3		
Procured from	Hp Laser Jet Pro MFP	Printer Type - LaserJet; Functionality	No. 23/18/2017-EI	30.06.2017
ENVIS Grant	M128 fn	- Multi-Function (Print, Scan, Copy),	(Pt.III)	
		Scanner type - Flatbed; Printer Output	28.12.2017	
		- Black & White only		

## 19. Status of utilization of grant in previous year (2020-2021) and reasons for shortfalls, if any:

	Head of Expenditure	Sanctioned amount (₹)	Actual Expenditure (₹)	Reasons for Shortfall/ Excess (if any)
Recurring	Manpower	15,51,917.00	15,39,887.00	
Annual	Others	4,65,300.00	3,29,385.00	
	Travel	-		
Non-Recurring				
(Hardware/	Computer	-		
ISBEID/ Any	Purchase			
Other)				

## 20. Issues/ hurdles faced in undertaking ENVIS activities:

20.1	Release of Recurring grant (Manpower) for smooth functioning of Envis.
20.2	Non-recurring grant may be provided for procuring hardware(s)/ software(s) as required for regular activities and GRIDSS/NES in particular. We are operating with one laptop and a printer.
20.3	Hardship for getting Environmental Data for ISBEID from Line Departments even after several communication addressed to the Departments.
20.4	For GRIDDS Mapping, we are using GIS software - trial version. So, we are requesting to provide ARC-GIS (or) any completed full version software.
20.5	Revamp the Puducherry ENVIS Website
20.6	The DEO salary may be revised from Rs.12,100/- to Rs. 20,000/-

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# PUDUC HERRY ENVIS HUB Puducherry Pollution Control Committee 3rd Floor, PHB Building, Anna Nagar, Puducherry - 605 005.

# ANNUAL PROGRESS REPORT 2020 - 21

(1st April 2020 - 31st March 2021)

- (6) @envishubpdy
- (f) @ENVIS HUB Puducherry
- (y) @envispuducherry



WATER IS THE DRIVING FORCE OF ALL NATURE