



Workshop on Integrating Climate Action in the Development Planning of Puducherry Union Territory

PUDUCHERRY ENVIS HUB Status of Environment & its Related Issues

Date : 05th & 06th May, 2022

Presented by
P. Vipin Babu, Scientist (PPCC)/ENVIS Coordinator

About ENVIS

- ❖ Environmental Information System (ENVIS) is a Centrally Sponsored Scheme (CSS) funded by the Ministry of Environment, Forests and Climate Change (MoEF&CC), Government of India, New Delhi.
- ❖ Focus: To provide environmental information to the decision makers, policy planners, scientists and engineers, research workers, etc. all over the country.
- ❖ ENVIS was conceived as a distributed information network with the subject-specific centres to carry out the mandates and to provide the relevant and timely information to all concerned.



ENVIS Network

Total Number of ENVIS Centres: 66 ENVIS centres

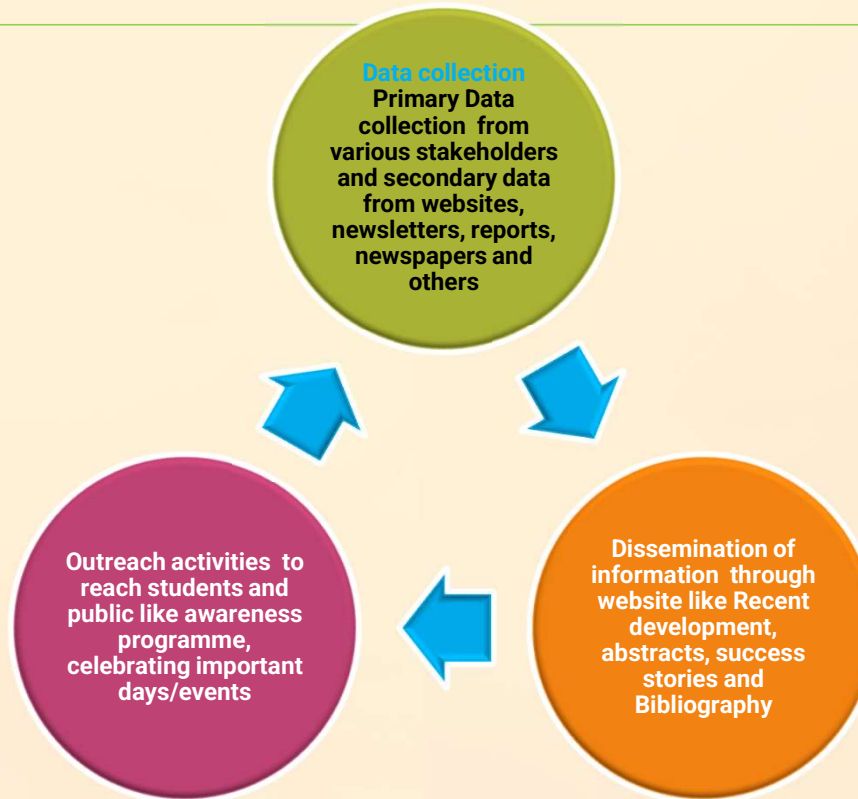
State ENVIS Hub – 31 Nos.

Institutional Resource Partners – 26 Nos.

NGOs Resource Partners – 9 Nos.

About Puducherry ENVIS Hub

- Puducherry Envis Hub functioning from 22nd September, 2005.
- ENVIS centre, Puducherry mainly focuses on special reference to "Status of Environment and Related Issues".



Objectives of Puducherry ENVIS Hub



Green Skill Development Programme (GSDP)



Knowledge Products and Infographics



Stakeholder Meeting



SoER preparation



Patchi Mobile app



Web based database on the State of Environment and related issues



Community-driven Environmentally Sustainable Village Programme (CESVP)



National Environmental Survey-GRID Based Resource Information & Decision Support Systems (NES-GRIDSS)



Environment related Awareness Programmes

Green Skill Development Programme (GSDP)

The Green Skill Development Programme (GSDP) of the Ministry of Environment, Forest and Climate Change (MoEF&CC) is an initiative for skill development in the environment and forest sector to enable India's youth to get gainful employment and/or self-employment.

The common norms issued by Ministry of Skill Development & Entrepreneurship (MSDE) inter alia, states that the

3-fold requirement has to be met, namely,

- i. Domain Specific demand
 - ii. Skill Training for a minimum period (including practical/on the job training)
 - iii. Employment oriented Outcome
- All skill development courses to comply with National Skills Qualification Framework (NSQF) of National Skill Development Agency (NSDA) under MSDE.
 - Skill training largely focus on technical skills. Training in softer skill sets is not predominant – this is a major requirement of the environment sector.

GSDP Proposals for 2022-23

1. Pollution Monitors: Air and Water pollution -1 Batch per Year
2. Para-Taxonomy including People Biodiversity Register – 1 Batch



Green Skill Development Programme (GSDP)

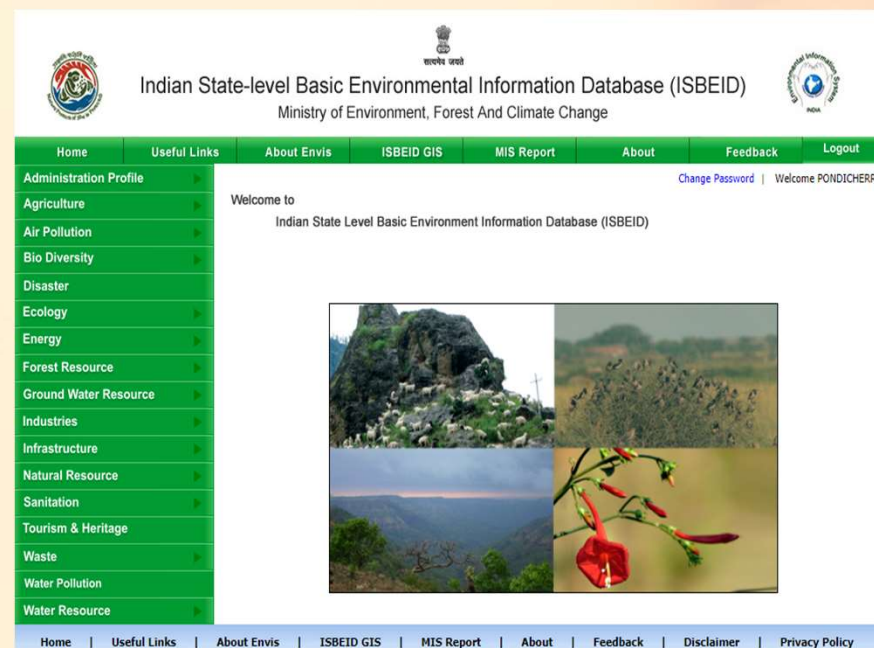
- Puducherry Envis conducted certificate course in “Pollution Monitors: Air and Water Pollution” under GSDP. So far, **3 batches** has been conducted.
- **2018 – 2019** - Training Period 38 working days (11th September to 26th October 2018, 260 hours). 19 trainees were participated.
- **2019 – 2020** - Training Period 30 working days (17th February to 21st March, 2020). 27 trainees were participated.
- **2020 -2021** - Training Period 33 working days (10th February to 19th March, 2021). 30 trainees were participated.
- The training module included theoretical, practical, field visits, hands-on training and assignments.
- Training was given by various Experts from various Government Departments, Universities, Institution and NGO's.
- Course completion Report for the year 2018 – 2019, 2019 – 2020 & 2020 - 2021 submitted to the Envis Secretariat.
- The complete details of GSDP Course can be view at: <https://sites.google.com/view/gsdp-envis-puducherry/home>



Photoclips of GSDP Programme 2018 -2021

Status of data updation in the Indian State Basic Environmental Information Database (ISBEID) Portal

- ISBEID is a web - enabled software developed by the Ministry of Environment and Forests, Government of India under the Environmental Information System [ENVIS].
- The ISBEID software has 17 modules (link to the modules) and will be implemented by all the States/UT ENVIS Centres.
- Puducherry ENVIS Hub updated data in the ISBEID Portal for the U.T. of Puducherry till 2021.



http://isbeid.gov.in/Home_old.aspx

Issues in collection of data/ information from line Departments of State Governments or any other issues.

1. Hardship for getting Environmental Data for ISBEID from Line Departments even after several communication addressed to the Departments.

17 modules

- Administration profile
- Agriculture
- Air Pollution
- Bio Diversity
- Disaster
- Ecology
- Energy
- Forest Resource
- Ground Water Resource
- Industries
- Infrastructures
- Natural Resource
- Sanitation
- Tourism & Heritage
- Waste
- Water Pollution
- Water Resource



Grid-based Decision Support System (GRIDSS) – for Sustainable Management of Natural Resources

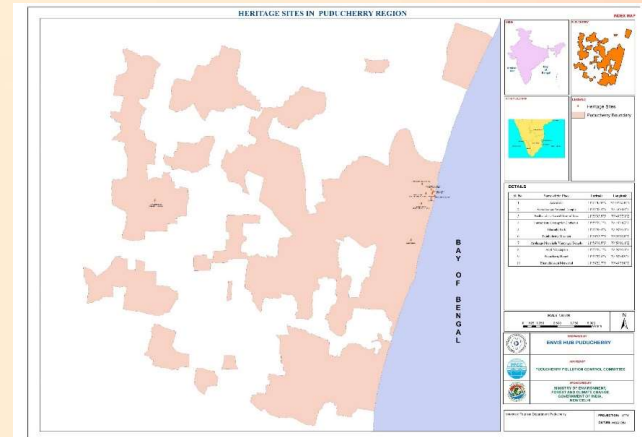
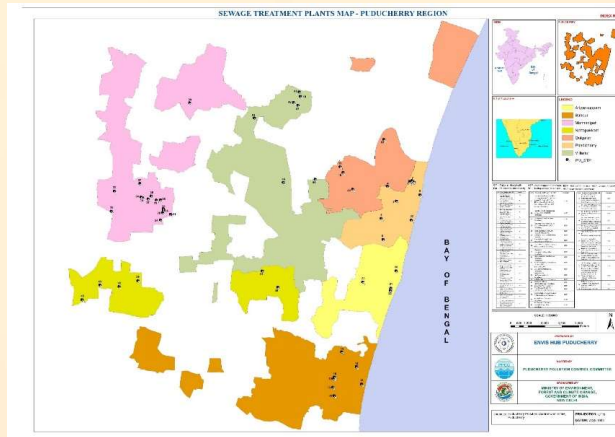
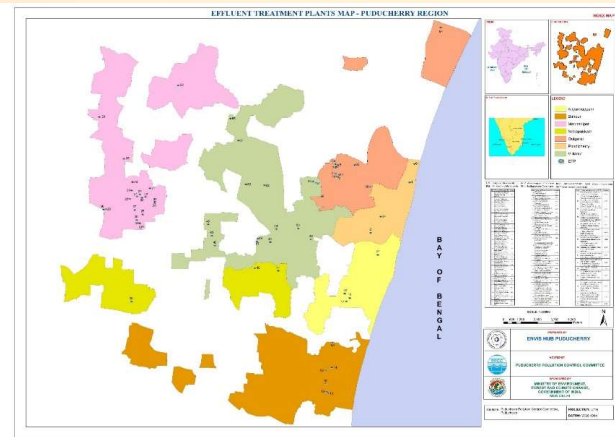
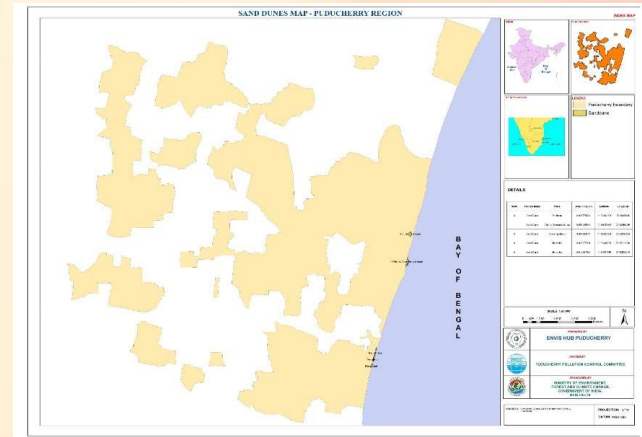
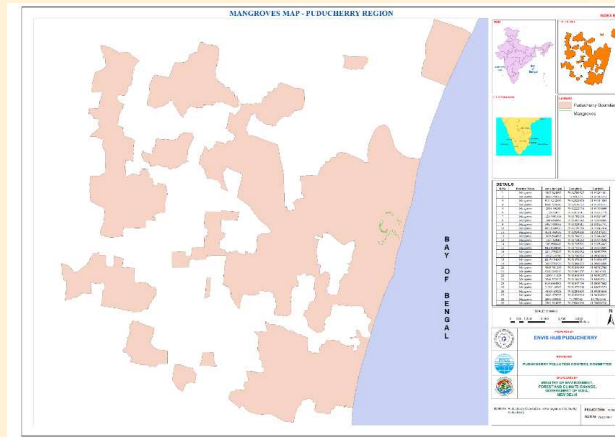
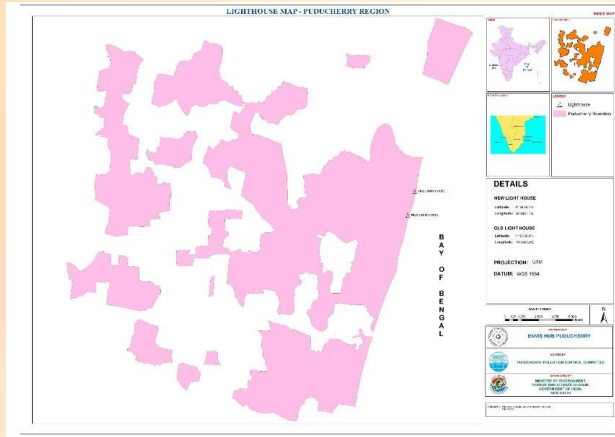
Grid-based Decision Support System - (GRIDSS)

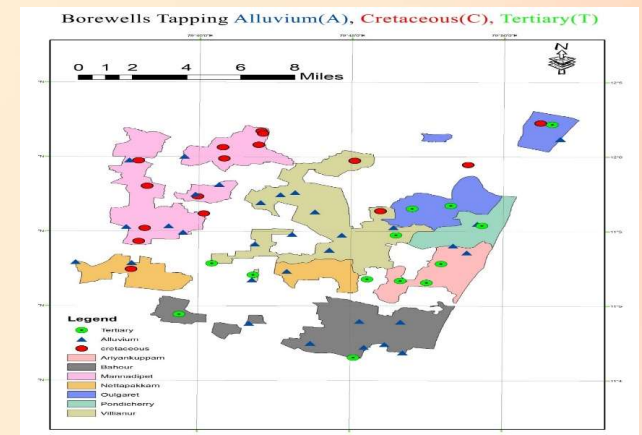
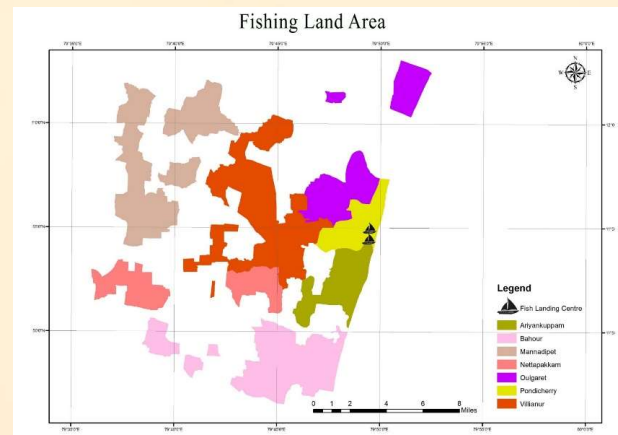
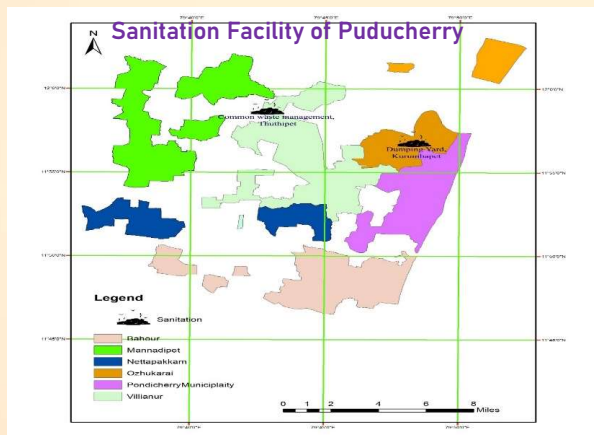
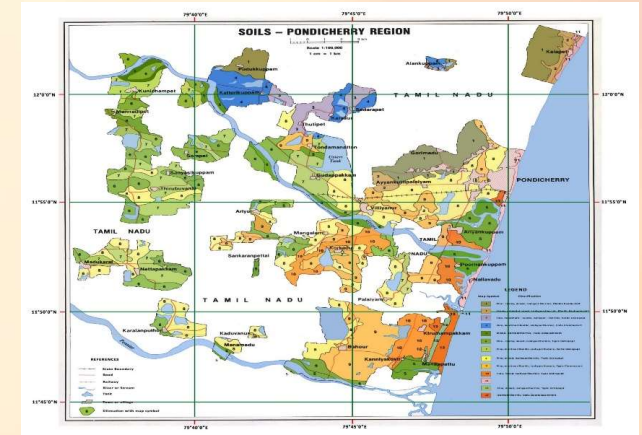
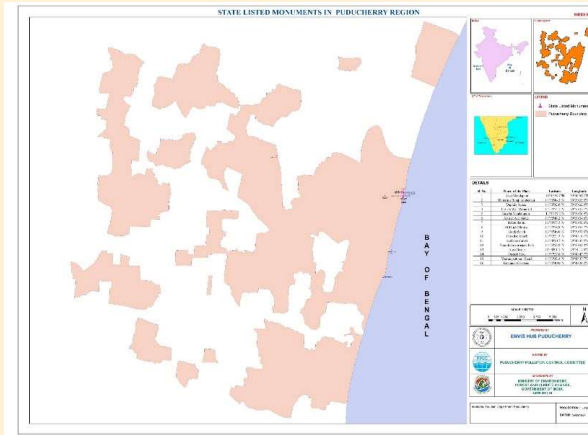
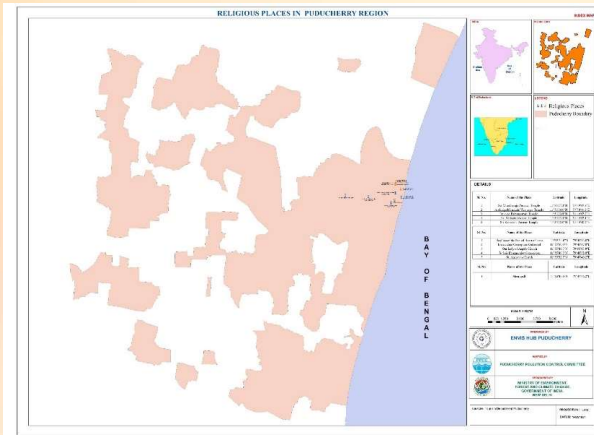
- The National Environmental Survey will be conducted at the district level on a quinquennial basis.
- Districts will be divided into grids of 9 km x 9 km, or any suitable grid depending on the requirement.
- Based on physiological/land use conditions, a sample of grids would be taken and data collected by questionnaires and other methods.
- To avoid duplication of efforts, data/information/ maps available with relevant government departments will be used.
- An Advisory Committee, comprising both in-house and external experts, will identify the environmental parameters to be surveyed.

Grid-based Decision Support System - (GRIDSS)

- ❖ Water Bodies in Puducherry.
- ❖ National Air quality Monitoring Programme (NAMP)
- ❖ National Water Monitoring Programme (NWMP)
- ❖ Puducherry Commune Boundaries.
- ❖ 17 Categories of Industries in Puducherry Region.
- ❖ Archaeology Site Map of Puducherry
- ❖ Lighthouse in Puducherry.
- ❖ Mangroves in Puducherry Region.
- ❖ Sand Dunes in Puducherry Region.
- ❖ ETP in Puducherry Region
- ❖ STP in Puducherry Region
- ❖ Hot spots of Pollution in coastal area.
- ❖ Heritage Sites in Puducherry Region.
- ❖ Religious Sites in Puducherry Region.
- ❖ State Listed Monuments in Puducherry Region.
- ❖ Soil Types in Puducherry.
- ❖ Sanitation Facility of Puducherry.
- ❖ Fish Landing Area in Puducherry.
- ❖ Bore wells Tapping in Puducherry.

District : Puducherry
Completed : 18 Maps





The background of the slide features a soft, out-of-focus bokeh effect with numerous light pink and white circular spots. A solid green horizontal band runs across the middle of the image, serving as a backdrop for the text.

Value Added Knowledge Products Release

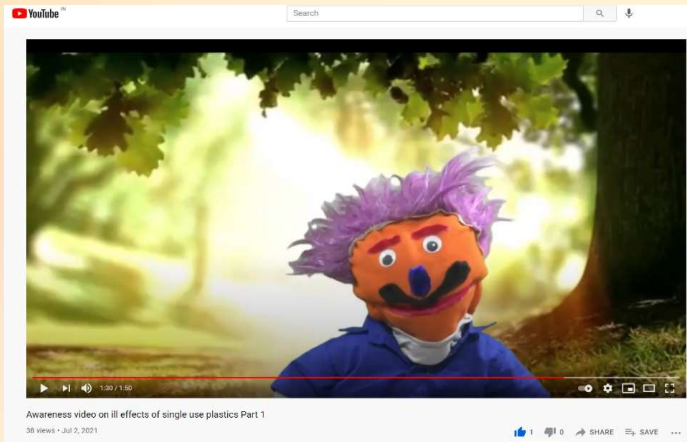
Puppetry Video Released on 02.07.2021



On the occasion of International Plastic Bag Free Day, 2021, Awareness Video on 'Ill effects of Single Use Plastics' has been released on 02.07.2021 by the Hon'ble Chief Minister, Government of Puducherry in the presence of Hon'ble Minister Mr. Lakshminarayanan, Smt. Smitha. R, I.A.S., Chairperson, Puducherry Pollution Control Committee (PPCC), Dr. S. Dinesh Kannan, IFS, Member Secretary, PPCC and other officials of PPCC, DST&E, ENVIS Puducherry Team.

This videos emphasize the ill effects and alternative products of single use plastics.

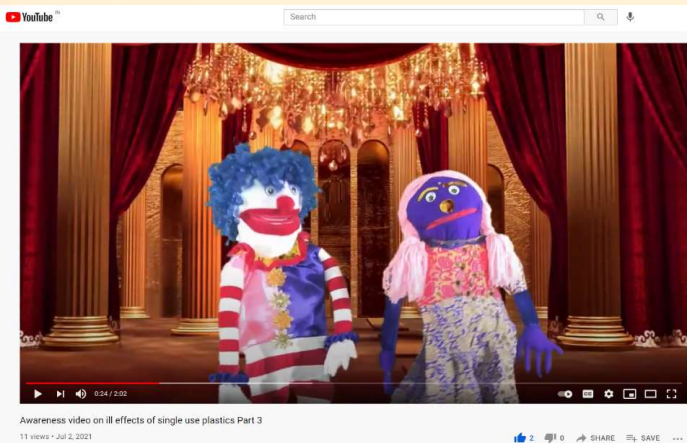
Awareness video on "ill-effects of single use plastics"



https://youtu.be/uRn_RSOPiY



<https://youtu.be/2bb1FZOk9Cc>




<https://youtu.be/n8hCawAtr4I>




<https://youtu.be/JGfuyNm-sY>

Monthly & Yearly E-Science Calendar Release




ENVIS HUB PUDUCHERRY
Puducherry Pollution Control Committee
Funded by Ministry of Environment, Forest & Climate Change,
GoI, New Delhi



SCIENCE CALENDAR 2022

The Environmental Information System (ENVIS) is a Centrally Sponsored Scheme (CSS) funded by the Ministry of Environment, Forests and Climate Change (MoEFCC), Government of India, New Delhi by providing scientific, technical and semi-technical information on various environmental issues. The purpose has been to ensure integration of national efforts in web-enabled environmental information collection, collation, storage, retrieval and dissemination to all concerned, including policy planners, decision makers, researchers, scientists and the public.

[@envishubpy](https://twitter.com/envishubpy)
[@ENVISHUB - Puducherry](https://facebook.com/ENVISHUB-Puducherry)
[@envispuducherry](https://twitter.com/envispuducherry)



PUDUCHERRY ENVIS HUB (Environmental Information System)

Host Centre : Puducherry Pollution Control Committee
Funded by Ministry of Environment, Forest & Climate Change
Government of India, New Delhi

SCIENCE CALENDAR 2022

	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON		
JAN																																							
FEB																																							
MAR																																							
APR																																							
MAY																																							
JUN																																							
JUL																																							
AUG																																							
SEP																																							
OCT																																							
NOV																																							
DEC																																							

[@envishubpy](https://twitter.com/envishubpy)
[@ENVISHUB - Puducherry](https://facebook.com/ENVISHUB-Puducherry)
[@envispuducherry](https://twitter.com/envispuducherry)

Address: <https://dste.py.gov.in/Envispdy/>
3rd Floor, Housing Board Complex,
Anna Nagar, Nellai Road, Puducherry - 605 005.
Designed by Puducherry ENVIS Hub

This calendar will emphasis on the importance of highlighted days in the respective month for carrying out necessary Environment, Science and Technology related activities/ celebration / events.



Outreach Programmes

Turtle Sculpture from Plastics Waste at Eden Beach, Chinnaveerampattinam, Puducherry



- ❖ Puducherry ENVIS Hub, Puducherry Pollution Control Committee in association with Vannidhasan High School, Seliamedu, Puducherry, Terre and Eden beach Team created the Turtle Sculpture at Eden Beach, Chinnaveerampattinam, Puducherry using waste plastic materials obtained from the seashore.
- ❖ The turtle structure shows that the harm we do to life in the oceans with our plastic-consuming lifestyles and also to raise awareness about the damage done by plastic materials to marine life.

Vigyan Sarvatre Pujiyate – ‘Science & Technology Festival’

ENVIS Hub of Puducherry Pollution Control Committee, Puducherry participated in the Vigyan Sarvatre Pujiyate – ‘Science & Technology Festival’ organized by the Department of Science, Technology and Environment and Puducherry Council for Science and Technology by displaying a stall at the Science Expo from 22.02.2022 to 28.02.2022 to highlight the activities of the ENVIS Team conducted at Dr. Abdul Kalam Science Centre & Planetarium, Puducherry. ENVIS publications viz., Calendars, Books, Posters etc., were distributed to the public during the said occasion apart from increasing with students, teachers, faculties etc., for their suggestions/views. ENVIS Hub team was also part of the various competitions held during the Science & Technology Festival.



Hon'ble Lt Governor , Hon'ble Chief Minister and Speaker of Puducherry visited the ENVIS Hub stall on the occasion of Science and Technology festival - Azadi ka Amrit Mahotsav: Vigyan Sarvatra Pujiyate



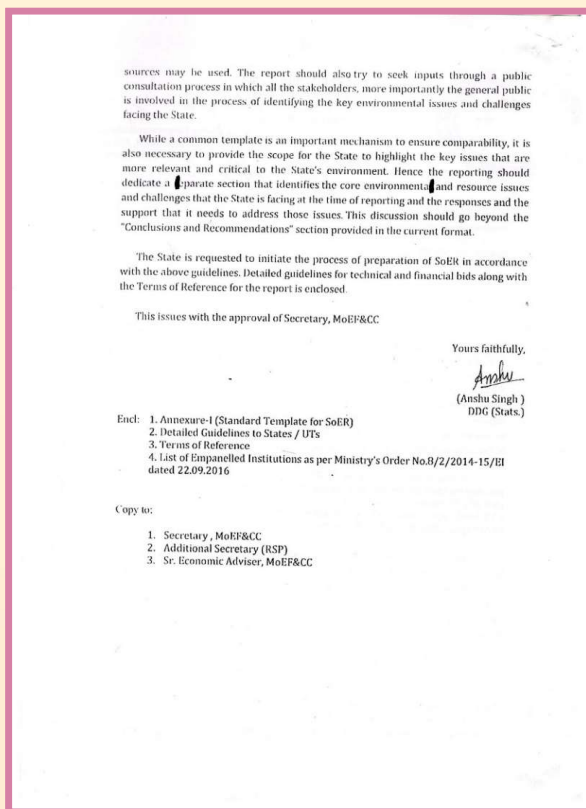
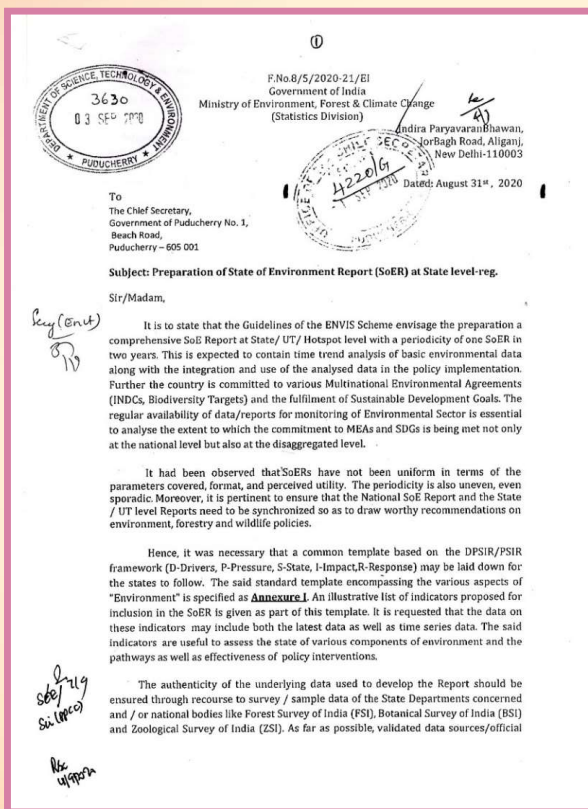
Chief Secretary, Government of Puducherry visited the ENVIS Hub stall

The background of the slide is a solid pink color with a pattern of out-of-focus yellow and white circular bokeh lights scattered across it.

State of Environment Report

State of Environment Report, 2020

The State of Environment Report of the Puducherry State-2021 will be a comprehensive document (study, research and editorial inputs) covering aspects like Forest, Wildlife, Biodiversity & Conservation, Pollution, Agriculture, Health and Climate Change etc., along with its recommendations for corrective measures.



The Steering Committee was constituted on 09.12.2020

Proposal for the preparation of SoER, 2020
sent to Statistics Division, MoEF&CC,
GoI, New Delhi on 08.02.2022.

The background of the slide features a soft, out-of-focus bokeh effect with warm, golden-yellow light spots scattered across a muted pinkish-red field. A solid, vibrant green horizontal band runs across the middle of the image, serving as a backdrop for the title text.

Capacity Building Programmes

Capacity Building Programme



Mr. S. Jagan Kumar, Information Officer and Mr. S. Dhinesh, Information Technology Officer from Puducherry Envis Hub attended hands on experience on 'Spatial and Temporal GIS Mapping on Vector Borne Diseases' on 28.09.2021 and 29.09.2021 at ICMR-VCRC, Puducherry.

Online Certificate Course on Mobile App. Development (Android with Kotlin)

Information Technology Officer from Puducherry ENVIS Hub attended 3 weekend online Certificate Course on Mobile App. Development (Android with Kotlin) conducted by Ministry of Micro, Small and Medium Enterprises Technology Development Centre, Chennai.

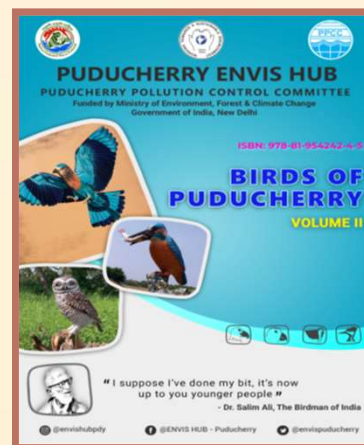
ENVIS Publications

Publication 2021 – 2022

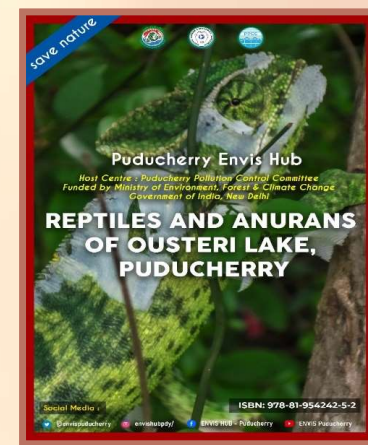
Newsletters	3
Books	3
Posters	58
Pamphlets	30
SUP Awareness Videos	4
Animation Videos	4
Calendar (Yearly & Monthly Science Calendar)	2



Puducherry ENVIS Hub publications can be view at:
<https://dste.py.gov.in/Envispdy/Newsletter.html>



Birds of Puducherry – Volume- II



Reptiles and Anurans of Ousteri Lake, Puducherry



Biodiversity Assessment in the Mangrove Forest of Karaikal District, Puducherry, Union Territory

2005 to Till date Publication of ENVIS HUB PUDUCHERRY



Newsletters	50
Books	4
Mobile App.	1
Posters	125
Pamphlets	58
Stickers	15
Science Calendar(Yearly & Monthly)	8
Videos	10
Animation Videos	3
Articles (Biodiversity conservation)	1
Write up(Biodiversity conservation)	3
Abstract	1



<https://dste.py.gov.in/Envispdy/Newsletter.html>

Road Map for F.Y. 2022-23

New Initiative Planned As Per Assigned Subject Area

1. Biodiversity Assessment at Bahour Lake, Puducherry.
2. Distribution Mapping.
3. Survey projects.
4. Creation of Data bank on Puducherry Environment.
5. Facilitating employment opportunities for the GSDP students.
6. Utilisation of services of the GSDP students in the mapping and other data collection i.e Noise survey, Monitoring etc.
7. Self financing GSDP courses.

Follow us on:



<https://www.facebook.com/envishubpdy/>



https://www.youtube.com/channel/UCo__5E1KGnPiETPWavoZ-8w



<https://www.instagram.com/envishubpdy/>



<https://twitter.com/envispuducherry>



0413 - 2201256



envis.pon@nic.in



<https://dste.py.gov.in/envispdy/>

Thank you