WWF’s mission

‘To stop the degradation of our planet’s natural environment, and build a future in which humans live in harmony with nature’
FROM THE STATE DIRECTOR’S DESK

The year 2020-21 was a very different year for the entire world, including us. With the start of the Covid pandemic in Kerala and India by March 2020, the nation went into lockdown and subsequently we also closed office and moved to Work from Home mode. Even though we were taken by surprise in the initial days, the national leadership of WWF India strategized and came forward with solutions to ensure that our work deliverables go on inspite of the protocol and related restrictions. We did not have any other choice, but to go digital, as the entire world did.

Going digital worked wonders for us with regard to our environment education projects and programs, especially better outreach across the states and the nation, through digital media. But our conservation projects, for species, landscapes, as well as those addressing environmental issues, it impacted negatively because without moving around and having on-ground engagements, we could not make much progress. In Kerala, our initiative on Marine Turtle Conservation along Kerala Coast, mainly focussed on Chavakkad, suffered because we could not travel and reach the location, interact with the stakeholders and also most on-ground activities involving groups of people had to be called off. As for the second initiative of the project on “Assessment of Kerala’s Top Ten Rivers at Risk and River Restoration Plans and Programs”, we had completed the first year activities and had compiled the Rivers Factsheets, identified the data gaps and were moving towards secondary and primary data collection through on-ground engagement of the various stakeholders, when Covid struck and we had to put on hold everything up till date. We have made the presentation of the project to the funding agency i.e., Dept. of Environment and Climate Change, Govt. of Kerala and clearly stated the reasons for putting the project on hold. Understanding the ground situation, they have given us no-cost extension.

The pandemic period was a great time of learning and networking. Institutions, Corporates, R&D establishments, Central and State Government Departments, NGOs and individuals were organizing webinars on varied topics and most were free and since it did not involve any cost of travel, boarding, lodging etc., based on availability of time, we had the choice to select webinars which interested us and attend. The only issue was more digital time and hence more strain on the eyes and head.

The Volunteer Talks series that we launched in Kerala to keep communicating with our network of Volunteers across the State was a huge success. We could bring our Volunteers together on the digital platform every Wednesday evenings from 7.00 pm onwards and some of them shared their expertise and experience and whereas in other sessions we invited resource persons who talked on very relevant subjects which was followed by very dynamic discussions and deliberations. As of now we have completed around 45 sessions of Volunteer Talks. Eco-Talk was another such effort to substitute Eco-Trails. The One Earth, One Home program is going ahead well on the digital platform. Our Educators Webinar Series as part of One Planet Academy is also picking up well. We went totally digital with our Wild Wisdom Quiz and setup system internally to conduct the quiz which worked well for us.

Renjan Mathew Varghese
STATE OFFICE PROFILE

Renjan Mathew Varghese,
State Director
(2006 – Till date)

A.K. Sivakumar
Senior Education Officer
(2000 – Till date)

Ms. Anushreedha Sivanandan
Project Officer
(July 2019 – Till date)

Ms. Merlin Mariam Varghese
Project Officer
(August 2019 – Till date)

Ms. Rahana Iqbal
Education Officer
(November 2019 – February 2021)

Mr. Kiran Mukesh
Admn. & Accounts Officer
(July 2019 – Till date)

R. Harishkumar
Administrative Assistant
(1998 – Till date)
STATE ADVISORY BOARD PROFILE

Mr. G. Vijaya Raghavan
Chairman
(Former Member, Kerala State Planning Board & Director, SunTec)

Mr. C. Balagopal,
Vice-Chairman
(Former Managing Director, Terumo Penpol)

Mr. A.V. George,
Member
(Chairman, AVG Group of Companies)

Dr. C. Bhaskaran,
Member
(Professor (Retd.), Dept. of Extension, Kerala Agricultural University)

Mr. Ravi DeeCee,
Member
(CEO, DC Books)

Mr. C. Sunilkumar,
Member
(Senior News Photographer, Mathrubhumi & Former Member, State Wildlife Board)

Prof. Saji Gopinath,
Member
(Associate Professor, Indian Institute of Management – Kozhikode)

Mr. Suresh Elamon,
Member
(Wildlife Photographer & Film Maker)
SUPPORTERS

- WWF-India Secretariat, New Delhi
- National Centre for Sustainable Coastal Management (NCSCM), Govt. of India
- Department of Environment and Climate Change (DoECC), Govt. of Kerala
- State Wetlands Authority under DoECC, Govt. of Kerala
- Kerala State Biodiversity Board (KSBB), Govt. of Kerala
- Department of Museums & Zoos, Govt. of Kerala
- Kerala Birder & Yuhina Eco Media
- Kerala Forests and Wildlife Department (KFD), Govt. of Kerala
- Johnson Lifts & Escalators, Chennai

PARTNERS

- ICLEI, New Delhi
- Kerala State Electricity Board (KSEB), Govt. of Kerala
- Kerala State Council for Science, Technology & Environment (KSCSTE), Govt. of Kerala
- Thiruvananthapuram Corporation
- Centre for Innovation in Science and Social Action (CISSA), Thiruvananthapuram
- Academy for Mountaineering and Adventure Sports (AMAS), Neyyattinkara
- Indus Cycling Embassy (ICE), Thiruvananthapuram
- NIMS, Thiruvananthapuram
- Kerala Swathanthra Matsya Thozhilali Federation (KSMTF), Thiruvananthapuram
- National Fishworkers Forum (NFF)
- Schools and Colleges across Kerala
- Local Marine Turtle Conservation Groups (LMTCGs) - Green Roots Nature Conservation Forum, Thottapally, Alappuzha, Green Habitat, Surya Arts & Sports Club, Mahatma Arts & Sports Club, & Fighter’s Club, Chavakkad, Thrissur, Theeram Prakriti Samrakshana Samithi, Kolavipalam
- Friend of Marine Life, Thiruvananthapuram
- YMCA, Thiruvananthapuram
- Sustera Foundation
- Kanthari, Thiruvananthapuram
- Tree Walk, Thiruvananthapuram
- ATREE-CERC, Alappuzha

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- The Hindu
- The Times of India
- Godfrey’s Graphics
- SIMPLE Graphics
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1. Conservation Projects and Programs
1.1 Conservation Projects

Post Flood Impact on Biodiversity for select faunal Groups - (Birds, Butterflies, Odonates and Amphibians) for Kerala State Biodiversity Board, Govt. of Kerala

We have completed the project looking at the post-flood impact on biodiversity, mainly focusing on birds, butterflies, odonates and frogs. We covered around seven sites across Kerala, which includes different ecosystems like paddy fields, forests, wetlands etc. The data for different seasons like pre-monsoon, monsoon and post-monsoon were compiled, analysed and findings presented in tabular as well as graphical form. We could not do much comparative analysis since temporal data was not available of before the floods. We presented the findings to the Technical Committee of the funding agency i.e. Kerala State Biodiversity Board and incorporating their comments and suggestions, the Final Technical Report was submitted. Post this, we were requested to present the findings of the project to the Biodiversity Management Committees (BMCs) of the district in which our study area lies with the expectation that the BMCs will continue to do the monitoring and the needed management interventions for the improvement of the ecosystems and its inhabiting lifeforms. We now await the release of the balance project funds to close the project fully.

Assessment of Kerala's Top Ten Rivers at Risk and River Restoration Plans and Programmes for Department of Environment and Climate Change, Govt. Of Kerala

Kerala has 44 rivers originating from the Western Ghats, 41 west flowing and 3 east flowing rivers. In their origin, they are very pure in nature, but as they come down to the plains and encounter human interventions, they get polluted from various sources. As per the study conducted by Centre for Science and Environment (CSE), all 44 rivers of Kerala are polluted beyond acceptable limits. WWF International had completed a study titled “World’s Top Ten Rivers at Risk” and published the report and taking cue from that, we decided to look at Kerala’s Top Ten Rivers at Risk and formulate Rivers Restoration Plans. The two-years project is funded by Dept. of Environment and Climate Change (DoECC), Govt. of Kerala. Since a lot of work has already been done for rivers of Kerala, we will take an approach of literature review and secondary data collection, identify data gaps, carry out primary data collection to plug the gaps and prepare the Rivers Factsheets for the 10 priority rivers, run Rivers Prioritization Matrix and identify top 3 rivers at risk and formulate rivers restoration plans on a participatory approach with protocols for River Walks and River Health Assessment.

Institutional visit, literature review, expert consultation and secondary data collection is in progress. The template for the Rivers Factsheets was prepared from the earlier work done by the Rivers, Wetlands and the Water Policy (RWWP) Team of WWF India for the Ram Ganga Basin. The factsheets were populated with the data available from the secondary data collection.
Administrative Maps for all our Top Ten Rivers at Risk were obtained from the Irrigation Design and Research Board (IDRB). A discussion with the Indira Gandhi Conservation Monitoring Centre (IGCMC) team was conducted to develop the base maps of our Top Ten Rivers at Risk. The thematic layers have been listed and provided to IGCMC. The already available maps and those that have to be acquired based on data were identified.

We developed the River Walk Protocol and the content was reviewed internally and has been shared with the RWWP and the Project Advisory Committee (PAC) for their comments and suggestions. Necessary changes were made according to the suggestions received.

We have contacted the River Collectives working across Kerala on specific rivers for over the last many years for collating information already available with them on their respective rivers. The data shared by the representatives of the various River Collectives were then digitized according to a template.

A template for the Handbook on Rivers of Kerala was prepared and has been finalized in consultation with the PAC. Discussion was initiated with DoECC to discuss the possibility of collaborating with their Bhoomithrasena Clubs for data collection on the 44 rivers, as a citizen science initiative. DoECC is very much keen in taking this forward and has agreed to cooperate and give all the assistance required.

Stakeholder Mapping for the selected 10 rivers was done and KLSO team identified and worked with one expert each for one river. Along with this, we contacted government departments and colleges for the possibility of training students who can be engaged as volunteers for our education, awareness and outreach programs with stakeholders as part of the project.

The First-year Review of the Rivers Project was done by the Technical Committee of DoECC. The meeting was held via Google Meet in the month of September. The Technical Committee had experts from outside invited by DoECC. The First Year Progress Report and digital copies of financial papers were submitted to the Department. The Committee was satisfied with the outcome of the project in the first year and also approved the extension for six months considering the delay and restrictions that the lockdown put forward.

We have partnered with Dept. of Aquatic Biology & Fisheries, University of Kerala to organize the International Rivers Conference. The Project Officers took an active role in the discussions and deliberations as part of the Conference and also mastered a Quiz on Rivers for students.

Conservation of the major wetlands serving as waterfowl habitats in southern Kerala for The State Wetlands Authority (SWAK), Govt. of Kerala

We have carried out a project to survey the major wetlands which are waterfowl habitats in the three southern districts of Kerala i.e. Thiruvananthapuram, Kollam and Pathanamthitta under the Wetlands Conservation Awareness Campaign (WCAC) of State Wetlands Authority Kerala. As part of this project, we have carried out the Asian Waterfowl Census covering all
the major wetlands in these three districts, observed World Wetlands Day and also organised awareness, outreach and education programs in educational institutions. We prepared a resource material kit consisting of PowerPoint presentations, stickers, posters, children’s coloring and activity book, exhibition panels in both English and Malayalam etc. After completing all the on-ground components of the project successfully, we have submitted the Final Technical Report (Draft) to SWAK and we await their comments to finalise the report, print and submit with relevant documents to close the project.

Preparation of the Detailed Project Report (DPR) for Marine Turtle Conservation along the northern coast of Kerala for National Centre for Sustainable Coastal Management (NCSCM).

The Ministry of Environment, Forests & Climate Change is carrying out the ENCORE Project funded by the World Bank. Under this project, WWF India has been requested through National Centre for Sustainable Coastal Management (NCSCM), Chennai, the National Co-ordinating Agency, to prepare the Detailed Project Report (DPR) for Marine Turtle Conservation along the northern coast of Kerala. With our last 4-5 years work on Marine Turtle Conservation, especially on a participatory mode with the support of the Local Marine Turtle Conservation Groups (LMTCGs) from Chavakkad in Thrissur to Neeleswaram in Kasargod, this stretch of the coast has been identified under this project for DPR preparation. In this regard, the field-level consultations were conducted with representatives of the LMTCGs to understand the on-ground situation and the conservation needs of the local area. Further on, detailed field data collection was carried out by led by Mr Murukan Pareparambil starting from Chavakkad in Thrissur up till the northern most coastal tip of Kerala. From the data and information collected and compiled, the draft DPR was prepared, again shared with the representatives of the LMTCGs and refined based on the comments and suggestions received and further on submitted to NCSCM for approval. NCSCM has submitted this draft for review to national-level experts. The comments and suggestions received from the Expert Review were incorporated into the MTC DPR and the final version has been submitted to NCSCM. Hope this will really give the needed recognition and boost to participatory Marine Turtle Conservation along the northern Coast of Kerala and help Kerala find its much deserved place in the national and global maps of Turtle Conservation.

Marine Turtle Conservation in Kerala Coast for Johnson Lifts and Escalators, Chennai

Over the last 3-4 years we have done some exemplary work, developed and demonstrated a very good practical working model of Participatory Marine Turtle Conservation in Chavakkad in Thrissur District in Kerala through the Local Marine Turtle Conservation Groups (LMTCGs). Thanks to Johnson Lifts & Escalators for their financial support. Continuing with this novel initiative, project funds of Rs 2 lakhs was still available for spending. In this background, a detailed plan was prepared, discussed with the LMTCGs to ensure that the proposed components actually meet the local conservation needs, and final approval sought from
Johnson Lifts & Escalators and from WWF India Secretariat. The components proposed and successfully implemented includes:

- Fabrication of Nest Protection Enclosures (NPE) for relocated nests - The turtles coming to the coast for egg laying are making the nests below the high tide line or in otherwise vulnerable areas. Hence, most of the nests are relocated to Nest Protection Enclosures, which ensures safety of the eggs and the emerging hatchlings. Mr. Saidu Muhammed, President, Surya Arts, Sports and Cultural Club, Puthenkadapuram and Mr. Saleem, Secretary, Green Habitat, Edakazhiyoor worked together to make a design of the Nest Protection Enclosure with ease of entry and exit and to ensure that maximum nests can be put within the limited space. The design was then discussed with a local fabricator and four such Nest Protection Enclosures have been erected in Thottappu, Blangad Beach, Puthenkadapuram and Edakazhiyoor with concrete poles and plastic-coated wire mesh to ensure long-term use.

- Erection of Awareness Hoardings for Edakazhiyoor - Mr Saleem shared the design with us, refined based on our comments and suggestions and the hoardings were erected in a suitable location so that it benefits maximum visitors to the beach by providing the correct information and thereby better awareness.

- The equipments for night beach patrolling which were available in the office from earlier purchase i.e., wind-cheaters, torches, tent, Volunteer t-shirts and caps were sent to Chavakkad and distributed mainly to the Volunteers involved in Turtle protection activities, whom we have identified recently.

Monitoring of the ongoing Turtle Nesting Season: The Local Marine Turtle Conservation Groups (LMTCGs) in Chavakkad are patrolling the beaches during the night hours starting from 9pm to early morning 5am in multiple teams and monitoring the nesting Turtles and giving adequate protection to the nests. There are many nights where the Volunteers see no signs of Turtles. But the good thing is that they do not let their hopes down but continues the beach patrolling, night after night, over the entire nesting season extending from October to April. Regular updates with photographs is posted on the WhatsApp group moderated by WWF. Wherever needed, the nests are relocated to the NPE by trained Volunteers who tries to replicate the original nest as much as possible in the relocated site also considering the depth, height, width, opening etc. Once this is done, the Volunteers are very much at ease because the nests are protected from tides as well as from human disturbances and other natural predators. The only issue is the excited waiting over the 45 days incubation period. WWF India Team consisting of Mr Vinod Malayilethu, Mr Pravin Kumar, Mr Murukan Pareparambil and Mr Renjan Mathew Varghese keeps the communication going all throughout appreciating their efforts and providing necessary info.
Preparation of Coffee Table Book on the Biodiversity of the Thiruvananthapuram Zoo Compound for the Directorate of Museum & Zoos, Govt. of Kerala

A new project proposal was submitted by WWF India on request by Dept. of Museum & Zoos, Govt. of Kerala to document the biodiversity in the Thiruvananthapuram Zoo Compound and prepare a Coffee Table Book. We have got the Technical and Financial approval from the Govt. of Kerala. Based on the approval, we have entered into a formal MoU with the Directorate of Museum & Zoos, Govt. of Kerala and based on that the first instalment project funds have been transferred to us. The work will be mainly carried out by Mr. Suresh Elamon (photography) and Mr. Balachandran (text), who will be working with us as Consultants in this project.

1.2 Conservation Programs

Asian Waterbird Census

WWF India Kerala State Office has been regularly conducting the Asian Waterfowl Census in Kerala, mainly in the three southern districts, under the Green Partnership Programme (an initiative to monitor the ecosystems/habitats outside forests and document their inhabiting biodiversity) of the Social Forestry Division of Kerala Forests & Wildlife Department. This year also, in spite of the pandemic, discussions and paper work was done for conducting the AWC, because it was unavoidable. It was conducted in Thiruvananthapuram, Pathanamthitta and Kollam on 9th, 10th and 17th of January. There was a total of 4372 birds belonging to 74 species in Thiruvananthapuram district. Pathanamthitta recorded 5194 birds from 56 species. In Kollam 5879 birds were observed belonging to 55 species.
POST-FLOOD IMPACT ASSESSMENT ON BIODIVERSITY – Selected Faunal Groups

Renjan Mathew Varghese  
State Director  
WWF-India

Sujith V. Gopalan  
Field Team Leader

LOCATIONS AND SAMPLING

1. Kattunadu, Kannur.  
2. Poovikode Lake, Wayanad.  
4. Vazhachal Reserve Forest, Thrissur.  
5. Vazhachal, Alappuzha.  

- The study areas included four major wetlands of the State and 5 forest habitats at different elevations.
- The diversity and population of selected faunal groups were assessed in three seasons, 1. Pre-monsoon (Jan – May), 2. Monsoon (June – July) and 3. Post-Monsoon (Sept).

SELECTED FAUNAL GROUPS

AMPHIBIANS  
Kerala home to 174 species

BIRDS  
525 species recorded from Kerala to date (eBird)

BUTTERFLY  
350 species documented

ODONATES  
167 species recorded to date from Kerala (SOS)

Photo Gallery

Post-Flood Impact on Biodiversity – Presentation of project findings to BMC representatives in Alappuzha
Project on Kerala’s Top Ten Rivers at Risk – First Year Project Presentation to DoECC
Exhibition Panels on Wetlands in English prepared as part of the Wetlands Conservation Awareness Campaign supported by State Wetland Authority Kerala
Exhibition Panels on Wetlands in Malayalam prepared as part of the Wetlands Conservation Awareness Campaign supported by State Wetland Authority Kerala
Poster Set on Wetlands in Malayalam prepared as part of the Wetlands Conservation Awareness Campaign supported by State Wetland Authority Kerala
Children’s Coloring & Activity Book on Wetlands and Sticker Set on Wetlands prepared as part of the Wetlands Conservation Awareness Campaign supported by State Wetland Authority Kerala
Photo Gallery
Glimpses of the Coastal Survey carried out from Chavakkad to Nileswaram as part of preparing the DPR for Marine Turtle Conservation along the northern coast of Kerala
Marine Turtle Conservation along Kerala Coast supported by Johnson Lifts & Escalators, Chennai – Volunteers of the Local Marine Turtle Conservation Groups supported by WWF-India involved in the on-ground activities of beach patrolling and nest relocation and the new nest protection enclosure put up in Chavakkad under the supervision of the LMTCGs
Join us on 9th JANUARY 2021 for the
Asian Waterbird Census
Thiruvananthapuram
jointly organized by WWF – INDIA and SOCIAL FORESTRY WING OF KERALA FOREST AND WILDLIFE DEPARTMENT
2. Environment

Education
2.1 EE Projects

2.1.1 One Earth, One Home (OEOH)/ Oru Bhoomi, Oru Bhavanam

The program Ek Prithvi was revised and it was decided to rechart it the digital way because of the pandemic situation, renaming it as One Earth, One Home nationally. The major activities were (a) Liaison work with State Education Department and other Chain of Schools (b) Translation of OEOH Content i.e., Workbooks and Videos into Malayalam (c) Pushing the Content through facebook, WhatsApp and Diksha portal of MHRD (d) Reporting Back from Students through Teachers (e) Data update with the EE Team.

Since many Malayalam medium schools are becoming part of the program, the whole programme was renamed in Kerala as “Oru Bhoomi, Oru Bhavanam ” in the regional language. All the content was translated into regional language. It is implemented in the State with the association of four School Chains and Ek Prithvi Schools i.e., Bhavans schools, Bharatiya Vidyaniketan schools, CSI schools, Vidyabhyasa Vikasa Kendram schools and 5 schools who have been with us in Ek Prithvi. A total of 409 schools were part of the program. The Students and Teachers were also invited to attend the State-launch of Marine Matters which was held on 29th November 2020, mainly focusing on our marine and coastal ecosystem, its inhabiting biodiversity, and its conservation challenges.

Two State level Training and Orientation Programs were organised and were attended by 174 and 325 Teachers respectively. Monitoring & Evaluation, sharing content like videos, worksheets for Students and reporting back by Teachers were done using WhatsApp groups, DIKSHA portal and Facebook. The statistics of Report Back was uploaded and shared with the M&E Team. Regular communication and follow-ups were done with all participating schools to ensure their participation all along the OEOH journey. Testimonials were also collected from Teachers and Students to be included in the State-level Closing Ceremony, held on February 3rd with 134 participants. One accomplishment was, Master Mihirnayan took part in the podcast series of OEOH and spoke about waste management.

The other additional engagements with the OEOH schools are:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Training of Trainers</th>
<th>Date</th>
<th>Outreach</th>
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<tbody>
<tr>
<td>1</td>
<td>International Day of Climate Action - “Climate Action and You” talk by Renjan Mathew Varghese for Teachers and Students of OEOH</td>
<td>23/10/2020</td>
<td>52</td>
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<tr>
<td>2</td>
<td>Orientation Session - CSI Cochin Diocese</td>
<td>5/11/2020</td>
<td>38</td>
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<td>3</td>
<td>State-level Seminar for Educators on Coastal and Marine Conservation</td>
<td>27/11/2020</td>
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<tr>
<td>4</td>
<td>OEOH Marine Matters</td>
<td>29/11/2020</td>
<td>72</td>
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</table>
World Environment Day 2020 and World Rainforest Day 2020 was observed with relevant and impactful digital engagement in all the participating schools.

2.1.2 Wild Wisdom Quiz (WWQ)

Wild Wisdom Quiz is the interactive learning experience that we give to school students, from Classes VI to VIII, from across the country, to dive deep, read, explore, understand nature, wildlife, biodiversity and related topics and they go through a series of quiz at school, city, national and international level. Till last year, WWQ was national, but now it has gone international. In the initial preparatory phase, we have been supporting the EE Team by preparing 250 Questions for the Question Bank for WWQ. Further on, for the on-ground implementation, we reached out to schools and school chains across Kerala encouraging maximum registration of students. We had State schools, CBSE schools and international schools come on-board with the participation of 1910 students. We then successfully conducted Wild Wisdom Quiz Digital Avatar 2020 in which two students from Primary School category and four students from Middle School category were among the first ten at the National-level.

2.1.3 One Planet Academy (OPA)

One Planet Academy is the digital resource hub/ learning platform that WWF India has created in partnership with CapGemini under their CSR initiative. Schools, Teachers, Students and Public can register free of cost, login and use the learning platform. There are various modules like Let’s Play, Let’s Read, Let’s Watch etc. with good quality content in the form of games, books, videos etc. which makes the user think, explore, and learn more about selected themes on nature and environment. Since its establishment we have been putting in efforts to get maximum traffic onto the portal. This year, with the help of an Intern, we carried out the comprehensive assessment of the OPA portal with the real-time involvement of students and teachers. The Intern has submitted the report with the findings, conclusions and recommendations and the same have been forwarded to the EE Team for making necessary changes in the OPA portal to make it more effective and efficient for the various category of users.
2.1.4 Volunteer Engagement Programs (VEP)

Article 51A of the Indian Constitution says about Fundamental Duties which states that every Indian has the role and responsibility to protect and safeguard his or her own environment. So everybody has to pitch in and the VEP is the best platform for this.

**ECHO - Building Environment Conservation Heroes**

This is a programme, which encourages student teams from colleges to ideate and take up projects based on the theme identified for ECHO for the particular year.

For 2019-20 academic year - we collaborated with the Department of Environment & Climate Change, Govt. of Kerala by associating with their Bhoomitrasena Clubs across the State. The applications received were screened and nine proposals were finally selected. The proposal from Sri Ayyappa College, Eramallikkara was selected as the best one at the State-level and the team went on to represent Kerala in the ECHO Summit conducted at WWF India Secretariat and secured First Place.

2020-2021 academic year - LoUs were obtained from 18 ECHO Colleges with the participation of 90 Students from across Kerala. Proposals submitted by the colleges were reviewed by an in-house team, comments and suggestions given for improvement and reworked upon. The College Teams went on to participate in the National-launch event held online. Necessary communication and follow-up was conducted to ensure participation of the College Teams for the Expert Talks – (1) with Anjana Shanmugavel conducted on 3rd December (2) ‘From Less to More’ by Aditya Mishra, Manager, Sustainable Agriculture, WWF-India conducted on 20th Jan 2021. As the Teams started working on implementing their project proposals, follow-up was done to update the progress report through regular emails to all Teachers-in-Charge of ECHO colleges with the help of Ms Umalekshmi, an active Volunteer assigned to this. ECHO is providing an opportunity for youth to identify and address local environmental issues with practical solutions.

**Biodiversity Festival - Dragonfly Festival**

Dragonfly Festival is an initiative under the broad umbrella of Biodiversity Festival envisaged by WWF India to popularise the “lesser-known”. The national-level event is being observed in the State with the Malayalam Name “Thumbimaholtsavam” in association with the Society for Odonate Studies (SOS) as technical partner and Thumbipuranam as digital partner. The State-level Launch was inaugurated by Dr K.A. Subramaniam, Scientist from Zoological Survey of India on 15th August 2020. Further to this, State specific Training of Trainers and other activities like Backyard Count, Photography Competition and other competitions for volunteers and the public were arranged as part of this.
A total of 4 Training of Trainers (ToTs) were conducted titled “Knowing your Dragons” with sub-themes which engaged 186 participants.

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<th>Training of Trainers</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Knowing your Dragons 1 - Introduction and Taxonomy of Anisoptera Dragonflies - David Raju</td>
<td>28/8/2020</td>
<td>51</td>
</tr>
<tr>
<td>2</td>
<td>Knowing your Dragons 2 - Taxonomy of Zygoptera) Damselflies - Vivek Chandran</td>
<td>29/8/2020</td>
<td>55</td>
</tr>
<tr>
<td>3</td>
<td>Knowing your Dragons 3 - Evolution and Ecology of Odonates - Sujith V.G.</td>
<td>4/9/2020</td>
<td>38</td>
</tr>
<tr>
<td>4</td>
<td>Knowing your Dragons 4 - The behaviour of Odonates - Balachandran V.</td>
<td>5/9/2020</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>186</strong></td>
</tr>
</tbody>
</table>

As part of Thumbimaholtsavam, webinars were also conducted in colleges across Kerala on Odonates:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Webinars for Colleges</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DFF 2020 Webinar - MG College, Tvm</td>
<td>8/9/2020</td>
<td>70</td>
</tr>
<tr>
<td>2</td>
<td>Sree Ayyappa College - Uma Lekshmi and Vivek</td>
<td>22/12/2020</td>
<td>65</td>
</tr>
<tr>
<td>3</td>
<td>Sujith V.G. and Vivek Chandran - SN College, Kollam</td>
<td>22/12/2020</td>
<td>96</td>
</tr>
<tr>
<td>4</td>
<td>Balachandran V. and Govind Girija - SN College, Chempazhanthy</td>
<td>26/12/2020</td>
<td>71</td>
</tr>
<tr>
<td>5</td>
<td>College of Forestry, Kerala Agricultural University</td>
<td>07/01/2021</td>
<td>49</td>
</tr>
<tr>
<td>6</td>
<td>Department of Zoology, Mananthavady Campus, Kannur University</td>
<td>30/01/2021</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>435</strong></td>
</tr>
</tbody>
</table>

Invitations were sent to the various Government Departments for formal association to organize webinars:

1) Chief Wildlife Warden, Kerala Forests & Wildlife Dept.
2) Member Secretary, Kerala State Biodiversity Board (KSBB)
3) Executive Vice-President, Kerala State Council for Science, Technology and the Environment (KSCSTE)

This received a positive response from the departments. The details regarding the dates, sessions, resource persons and target audience were worked out and followed through. Webinars for the Park Managers and frontline staff of Kerala Forests & Wildlife Department and District Coordinators and BMC Representatives of Kerala State Biodiversity Board were as follows:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Webinars for Targeted Audience</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kerala State Biodiversity Board</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>South Zone</td>
<td>19/2/2021</td>
<td>44</td>
</tr>
<tr>
<td>2</td>
<td>Central Zone</td>
<td>20/2/2021</td>
<td>38</td>
</tr>
<tr>
<td>3</td>
<td>North Zone</td>
<td>22/2/2021</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Kerala Forests and Wildlife Department</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Inauguration – Attended by Senior Officers and Park Managers (PCCF, ACF, DCF and others)</td>
<td>23/2/2021</td>
<td>38</td>
</tr>
<tr>
<td>2</td>
<td>ABP Circle</td>
<td>24/2/2021</td>
<td>39</td>
</tr>
<tr>
<td>3</td>
<td>Kottayam Central Circle, SF Circle</td>
<td>25/2/2021</td>
<td>42</td>
</tr>
<tr>
<td>4</td>
<td>FD (PT), Palakkad Eastern Circle, Northern Circle, SF Circle and Kozhikode Circle</td>
<td>26/2/2021</td>
<td>58</td>
</tr>
</tbody>
</table>

Photography Competitions were organized in three themes (under two categories – Mobile and DSLR. The prize which included a Memento, e-Certificate, Volunteer t-shirts, caps and jackets were given to the winners of the Photography Competition.

The Dragonfly Backyard Watch started in and continued till 15th October 2020. Good media coverage encouraged many citizens to take up this initiative. WWF Volunteer t-shirts, caps and badges were given to the 15 active contributors of the Backyard Odonata Watch.

**Magical Mangroves**

The Magical Mangroves Campaign, part of the national event jointly organised by WWF India and Godrej Foundation, is being rolled-out in the State with the co-operation of College Teachers who have been our associates in many other programs, along with other registered Volunteers. An initial Orientation Meeting for the Volunteers of Magical Mangroves was conducted on 8th October. Teachers and Volunteers, ensuring atleast one from each district, attended the State-specific ToT webinar which was led by Dr Jafar Palot of ZSI as the Expert.
Further on, the Teachers and Trained Volunteers conducted outreach webinars between 23rd October to 27th December.

A discussion meeting on “Magical Mangroves – The Way Forward” was conducted on 3rd December. Following this was the national-level session on 9th January titled “Mangrove Conservation: The Maharashtra Model” by Mr. Vasudevan, IFS. Other follow-up activities like documentary screening, quiz competitions etc., were also conducted.

Nominations for Best Performing Volunteers were sent to EE Division. A video testimonial on Magical Mangroves from Dr Jisha S. of SN College, Kollam was also sent to EE Division.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Activity</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Understanding and Appreciating Mangroves</td>
<td>26/7/2020</td>
<td>139</td>
</tr>
<tr>
<td>2</td>
<td>Training Session - Magical Mangroves – Teachers and Student Volunteers</td>
<td>24/9/2020</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Webinar for students of MG College, Thiruvananthapuram by Ms Umalekshmi</td>
<td>26/01/2021</td>
<td>97</td>
</tr>
<tr>
<td>4</td>
<td>Expert Talk by Mr Anamrita Anurag Danda, Consultant, WWF India</td>
<td>30/01/2021</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>366</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Meeting for Volunteers of Magical Mangroves</td>
<td>8/10/2020</td>
<td>31</td>
</tr>
<tr>
<td>2</td>
<td>Training of Trainers – Dr Jafer Palot</td>
<td>10/12/2020</td>
<td>27</td>
</tr>
<tr>
<td>3</td>
<td>Dr Jain Therattil, Dr Udayan P.S. and James Master - Thrissur</td>
<td>23/10/2020</td>
<td>62</td>
</tr>
<tr>
<td>4</td>
<td>Dr Ayona Jayadev – Trivandrum</td>
<td>23/10/2020</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Priya Thomas and Sojomon Mathew – Kottayam</td>
<td>23/10/2020</td>
<td>64</td>
</tr>
<tr>
<td>6</td>
<td>Dr Abdussalam A.K., Biju P., Dr Prajith P.K., Kasargode</td>
<td>23/10/2020</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>Name</td>
<td>Address</td>
<td>Date</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>7</td>
<td>Dr Sreeja P., Haritha Rajan</td>
<td>Kannur</td>
<td>23/10/2020</td>
</tr>
<tr>
<td>8</td>
<td>Dr Deepty M.R., Hammedali NGC, Malappuram</td>
<td>23/10/2020</td>
<td>110</td>
</tr>
<tr>
<td>9</td>
<td>Dr G. Ganga, Alappuzha</td>
<td>23/10/2020</td>
<td>83</td>
</tr>
<tr>
<td>10</td>
<td>Dr Abhilash R., Alappuzha</td>
<td>23/10/2020</td>
<td>94</td>
</tr>
<tr>
<td>11</td>
<td>Dr Jacob Thomas, Pathanamthitta</td>
<td>23/10/2020</td>
<td>59</td>
</tr>
<tr>
<td>12</td>
<td>Elias Rowther B., Wayanad</td>
<td>23/10/2020</td>
<td>30</td>
</tr>
<tr>
<td>13</td>
<td>Alex Philip, Palakkad</td>
<td>23/10/2020</td>
<td>54</td>
</tr>
<tr>
<td>14</td>
<td>Riyaz, Kozhikode</td>
<td>23/10/2020</td>
<td>38</td>
</tr>
<tr>
<td>15</td>
<td>Dr Jisha, Kollam</td>
<td>23/10/2020</td>
<td>42</td>
</tr>
<tr>
<td>16</td>
<td>Vishnupriyan Kartha, Ernakulam</td>
<td>23/10/2020</td>
<td>17</td>
</tr>
<tr>
<td>17</td>
<td>Deepthi T., Malappuram</td>
<td>23/10/2020</td>
<td>41</td>
</tr>
<tr>
<td>18</td>
<td>Sarlin Pauly, Kollam</td>
<td>30/10/2020</td>
<td>109</td>
</tr>
<tr>
<td>19</td>
<td>Dr G. Ganga, Alappuzha</td>
<td>30/10/2020</td>
<td>41</td>
</tr>
<tr>
<td>20</td>
<td>Dr Sreeja P., Haritha Rajan - Nattukoottam - Aduthila</td>
<td>1/11/2020</td>
<td>35</td>
</tr>
<tr>
<td>21</td>
<td>Anjali Jayamon - Newman College, Thodupuza</td>
<td>3/11/2020</td>
<td>65</td>
</tr>
<tr>
<td>22</td>
<td>Dr Ayona Jayadev - SN College, Kollam</td>
<td>7/11/2020</td>
<td>48</td>
</tr>
<tr>
<td>23</td>
<td>Dr Sreeja P., Ms Haritha Rajan</td>
<td>9/11/2020</td>
<td>100</td>
</tr>
<tr>
<td>24</td>
<td>Priya Thomas - Baselios College</td>
<td>13/11/2020</td>
<td>62</td>
</tr>
<tr>
<td>25</td>
<td>Anjali Jayamon - St George HSS, Thodupuzha</td>
<td>13/11/2020</td>
<td>100</td>
</tr>
<tr>
<td>26</td>
<td>Dr Sreeja P.</td>
<td>15/11/2020</td>
<td>100</td>
</tr>
<tr>
<td>27</td>
<td>Dr Jisha and Dr Hari - SN College for Women, Kollam</td>
<td>15/11/2020</td>
<td>63</td>
</tr>
<tr>
<td>28</td>
<td>Dr G. Ganga - SN College Alappuzha</td>
<td>16/11/2020</td>
<td>50</td>
</tr>
<tr>
<td>29</td>
<td>Dr G. Ganga - TKM College</td>
<td>16/11/2020</td>
<td>32</td>
</tr>
<tr>
<td>30</td>
<td>Sojomon Mathew - Kottayam</td>
<td>17/11/2020</td>
<td>46</td>
</tr>
<tr>
<td>31</td>
<td>Dr Jisha – Kollam SN College</td>
<td>21/11/2020</td>
<td>100</td>
</tr>
<tr>
<td>32</td>
<td>Dr Jisha - Kollam SN College</td>
<td>22/11/2020</td>
<td>33</td>
</tr>
</tbody>
</table>
Tide Turners Plastic Challenge (TTPC)

TTPC is an initiative of the UNEP conducted with the support of many others and in India, WWF India and CEE are implementation partners. In 2020, six webinars were organised to take forward the message of TTPC to the intended audience. A new partnership with Kerala Scouts and Guides was also accomplished through this program.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tide Turners Plastic Challenge for Bharath Scouts and Guides</td>
<td>12/5/2020</td>
<td>24</td>
</tr>
<tr>
<td>2</td>
<td>Sree Ayyappa College, Eramalikkkara, Alappuzha</td>
<td>5/5/2020</td>
<td>63</td>
</tr>
<tr>
<td>3</td>
<td>Chengannur Christian College</td>
<td>9/5/2020</td>
<td>43</td>
</tr>
<tr>
<td>4</td>
<td>All Saint's College, Thiruvananthapuram</td>
<td>105/2020</td>
<td>38</td>
</tr>
<tr>
<td>5</td>
<td>Sree Narayanan Institute of Ayurvedic Studies and Research, Kollam</td>
<td>11/5/2020</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>SN College Kollam + St Gregoriou College, Kottarakara</td>
<td>13/5/2020</td>
<td>63</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>237</strong></td>
</tr>
</tbody>
</table>

For 2020-21, the TTPC India Toolkit was translated into the regional language, Malayalam. Discussions for possible associations and collaborations were explored. We were able to bring on board Eco-Clubs under National Green Corps (NGC) and Kerala Bharat Scouts and Guides. Timely communication and follow-up was done to ensure good participation for the National Launch of TTPC and all throughout the program. A State Specific Strategy Planning Document for TTPC was developed and shared with Director, EE Division. A list of marine related
Institutions in Kerala was compiled and communication was sent to them inviting them to be part of the program as marine litter is a major cause of concern.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Target Group</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Webinar on TTPC for Youth</td>
<td>18/02/2021</td>
<td>222</td>
</tr>
<tr>
<td>2</td>
<td>Webinar on TTPC for Youth</td>
<td>23/02/2021</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Bharath Scouts and Guides</td>
<td>4/3/2021</td>
<td>504</td>
</tr>
<tr>
<td>4</td>
<td>Bhavans Group of Schools</td>
<td>5/3/2021</td>
<td>160</td>
</tr>
<tr>
<td>5</td>
<td>Chengannur Christian College</td>
<td>5/3/2021</td>
<td>78</td>
</tr>
<tr>
<td></td>
<td>Mar Thoma College, Thiruvalla</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>NSS Units of Thiruvananthapuram</td>
<td>6/3/2021</td>
<td>343</td>
</tr>
<tr>
<td>7</td>
<td>National Green Corps, Kerala</td>
<td>24/3/2021</td>
<td>167</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>1494</strong></td>
</tr>
</tbody>
</table>

**Volunteer Talks**

Under VEP, on-ground activities were put on hold for the time being due to the pandemic situation. So, in order to keep the communication going and to engage with our regular volunteers, we took the digital route. Volunteer Talks are conducted every Wednesday by our Volunteers on relevant topics and also about their experiences while being a WWF Volunteer. This program was inaugurated by our Veteran Volunteer Mr Sivaprasad and he spoke on the topic “On the Trail of Tanks and Ponds in Thiruvananthapuram”. We conducted a total of 39 talks from June 2020 to March 2021. Certificate of Appreciation was given to the invited Volunteers and Experts who gave the talk.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Volunteer Talks</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Inaugural Session – On the Trail of the Tanks and Ponds in Thiruvananthapuram - Mr Sivaprasad</td>
<td>17/6/2020</td>
<td>41</td>
</tr>
<tr>
<td>2</td>
<td>Managing the Monsoons - Dr Subhash Chandra Bose</td>
<td>24/6/2020</td>
<td>19</td>
</tr>
<tr>
<td>3</td>
<td>Shooting Birds with Camera - Biju P B</td>
<td>1/7/2020</td>
<td>45</td>
</tr>
<tr>
<td>4</td>
<td>My Tyrst with Turtles - Renjan Mathew Varghese and Murukan Pareparambil</td>
<td>8/7/2020</td>
<td>42</td>
</tr>
<tr>
<td>5</td>
<td>Kerala Floods and its impact on Biodiversity - Sujith V Gopalan</td>
<td>15/7/2020</td>
<td>47</td>
</tr>
<tr>
<td>6</td>
<td>The Bird Atlas Experience - Govind Girija and Aravind Anil</td>
<td>22/7/2020</td>
<td>47</td>
</tr>
<tr>
<td>7</td>
<td>The CFR Journey of Kadar Tribes in Vazhachal - Tiju C. Thomas</td>
<td>29/7/2020</td>
<td>43</td>
</tr>
<tr>
<td>8</td>
<td>Knowing the Lesser Known: Dragonflies - Hari Krishnan S and Jeffin John</td>
<td>5/8/2020</td>
<td>76</td>
</tr>
<tr>
<td>9</td>
<td>Biological Invasions: Tales and Science of a Losing Battle - Dr TV Sajeev</td>
<td>12/8/2020</td>
<td>41</td>
</tr>
<tr>
<td>10</td>
<td>Elephants: The Gentle Giants of Forests – P A Vinayan</td>
<td>19/8/2020</td>
<td>68</td>
</tr>
<tr>
<td>11</td>
<td>Mangroves: No more forests, just patches - Dr Jain Therattil</td>
<td>26/8/2020</td>
<td>27</td>
</tr>
<tr>
<td>12</td>
<td>Waste Management: You can be the change - Shibu K N</td>
<td>9/9/2020</td>
<td>41</td>
</tr>
<tr>
<td>13</td>
<td>Tree Watch and You - Veena M</td>
<td>16/9/2020</td>
<td>64</td>
</tr>
<tr>
<td>14</td>
<td>Bring out the Amateur Naturalist in You - Prasoon Prakash</td>
<td>23/9/2020</td>
<td>132</td>
</tr>
<tr>
<td>15</td>
<td>Urban Wildlife - Reney R Pillai</td>
<td>30/9/2020</td>
<td>85</td>
</tr>
<tr>
<td>16</td>
<td>Croaking Wildlife – Sujith V. Gopalan</td>
<td>7/10/2020</td>
<td>116</td>
</tr>
<tr>
<td>17</td>
<td>Mitigating Impact of Disasters – Dr K G Thara</td>
<td>14/10/2020</td>
<td>79</td>
</tr>
<tr>
<td>18</td>
<td>Seafood Sustainability: Why it matters – Dr Pravin Kumar N</td>
<td>21/10/2020</td>
<td>46</td>
</tr>
<tr>
<td>19</td>
<td>Munnar Ecosystem, Livelihoods and Sustainability – Pre and Post Covid – Sebinster Francis</td>
<td>28/10/2020</td>
<td>73</td>
</tr>
<tr>
<td>20</td>
<td>The Sultan of Cleanliness: Sulthan Bathery – Hamidali O Vazhakkad</td>
<td>4/11/2020</td>
<td>60</td>
</tr>
<tr>
<td>21</td>
<td>Along the Life and Trails of Dr Salim Ali: Birdman of India – Raju S</td>
<td>11/11/2020</td>
<td>79</td>
</tr>
<tr>
<td>22</td>
<td>Practical Tips to Reduce Individual and Household Energy Footprint – Ijas M A</td>
<td>18/11/2020</td>
<td>87</td>
</tr>
<tr>
<td>23</td>
<td>Green Initiatives in Personal and Professional Life – Dr Abhilash R</td>
<td>25/11/2020</td>
<td>71</td>
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<tr>
<td>24</td>
<td>The Where and How of Miyawaki Forests – M R Hari</td>
<td>2/12/2020</td>
<td>92</td>
</tr>
<tr>
<td>25</td>
<td>Protection of Trivandrum’s remaining wetlands – Sanjeev S J</td>
<td>9/12/2020</td>
<td>59</td>
</tr>
<tr>
<td>No.</td>
<td>Title</td>
<td>Author</td>
<td>Date</td>
</tr>
<tr>
<td>-----</td>
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</tr>
<tr>
<td>26</td>
<td>Being a Doctor and a Birder – Dr Jishnu R</td>
<td></td>
<td>16/12/2020</td>
</tr>
<tr>
<td>27</td>
<td>Plastic Waste: Brand Audit and EPR – Raju S</td>
<td></td>
<td>30/12/2020</td>
</tr>
<tr>
<td>28</td>
<td>Cycling: For your good health and the environment - Prakash P Gopinath</td>
<td></td>
<td>6/1/2021</td>
</tr>
<tr>
<td>29</td>
<td>Nilgiri Tahr - The Mountain Monarch – M. A. Predit</td>
<td></td>
<td>13/1/2021</td>
</tr>
<tr>
<td>30</td>
<td>Overview of Disaster Management in Kerala - Joe John George</td>
<td></td>
<td>20/1/2021</td>
</tr>
<tr>
<td>31</td>
<td>From School Maash to Kadalamaa Maash – N J James</td>
<td></td>
<td>27/1/2021</td>
</tr>
<tr>
<td>32</td>
<td>Protecting Birds and Bird Habitats of Pathanamthitta - Hari Mavelikkara</td>
<td></td>
<td>3/2/2021</td>
</tr>
<tr>
<td>33</td>
<td>Green Army: Keeping the Capital Clean - Shibu K N</td>
<td></td>
<td>10/2/2021</td>
</tr>
<tr>
<td>34</td>
<td>Protecting a Lake, its Lifeforms and Livelihoods - The story of Vembanad - Jojo T D</td>
<td></td>
<td>17/2/2021</td>
</tr>
<tr>
<td>35</td>
<td>Challenges Women face in Wildlife Photography - Rahana Rafeek</td>
<td></td>
<td>24/2/2021</td>
</tr>
<tr>
<td>36</td>
<td>Muhammodayam: Lessons in Sustainability from a Wetland - Smt. Reema Anand, Senior Program Officer, ATREE CERC</td>
<td></td>
<td>3/3/2021</td>
</tr>
<tr>
<td>37</td>
<td>Alternative to Conventional Housing – P. B. Sajan, Joint Director, COSTFORD &amp; Member Secretary, Laurie Baker Centre for Habitat Studies</td>
<td></td>
<td>10/3/2021</td>
</tr>
<tr>
<td>38</td>
<td>Parvathy Puthanar: Transition over the years – Sanjeev SJ, President, Environmental Protection and Research Council</td>
<td></td>
<td>17/3/2021</td>
</tr>
<tr>
<td>39</td>
<td>Earth Hour: 15 years and still relevant – Renjan Mathew Varghese</td>
<td></td>
<td>24/3/2021</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Earth Hour 2021**

Earth Hour was one of our most successful campaigns with many on-ground initiatives. But with the Covid pandemic, we had to think and act different. After a good brainstorming session, the Team came up with a bunch of creative ideas for the Earth Hour campaign. Individual staff would be taking ownership of one idea each and would work on it during the period of January – March 2021 and come out with digital products to reach out to the various segments of the society in an effective and efficient manner.
• #SpeakUpforNature Videos were collected from one regional celebrity and four Volunteers following the instructions set by Marketing and Communications team. #SpeakUpforNature videos were also collected from 15 experts supporting Earth Hour and adding their voice for the planet was created. These videos were widely shared in WhatsApp groups and other social media handles of KLSO, personal pages of staff and our volunteers.

• Poetry Writing Competition (General Public) in English and Malayalam – to create awareness and encourage people to spend time reflecting and to think about the need for a campaign like Earth Hour and why it is relevant in 2021. The competition was put forth through the print media and also through social media. There was a total of 16 entries. The winners were chosen by a panel of judges and the results were announced on 27th March.

• Poster Design Competition (General Public) - similar to the poetry competition, it was announced through the print and social media and there were 23 entries.

• Poetry Writing and Poster Design Competition for students enrolled through the taskIC platform. [taskIC is a startup that has created an online platform for school students to participate in competitions. This is under the Kerala Startup Mission of the Kerala State Government. We associated with them for EH to invite entries for our competitions]. There were 5 entries for poetry writing competition and 34 entries for poster design competition.

Programs conducted on Earth Hour - 27th March 2021

• Collaboration with Restaurants – 2 activities each were rolled out at 5 restaurants, 3 in Trivandrum and 2 in Ernakulam to observe EH. Earth Hour themed placemats were printed and given to all the 5 restaurants (100 each). The placemats consisted of quiz, jumble, find the words and a waste segregation activity. All the games contained messages on Earth Hour, energy conservation, pollution etc. It was given to customers on 26th and 27th and they were encouraged to do the activities while waiting for their food to arrive. Feedback assured that this was a massive hit with the customers and they pledged to do their bit to observe Earth Hour.

The second activity was to switch off LED Sign Board, all non-essential lights and electric equipment at the restaurants and provide candlelight for customers during Earth Hour. These activities were captured on camera and shared on social media.

• Coverage in Audio-Visual Media - Sound bites in association with Club-FM, All India Radio News and Asianet Cable Vision (ACV) TV Channel - The radio stations played the EH Speak Up for Nature messages by the 15 experts and also requested people to Switch Off all non-essentials for Earth Hour 2021. The All-India Radio broadcasted it as news in the hourly news program in Malayalam. The topic was also part of a live program “Coffee Talk” in ACV television channel.
• EH Cyclothon in association with the Indus Cycling Embassy, Trivandrum - 50 Cyclists participated in a rally and they displayed #SpeakUpforNature placards. They covered a distance of 4 km the in the heart of the city.

• Emails to individuals, NGOs, Institutions, Government Offices to observe Earth Hour – KLSO over the years have associated with NGOs and Government Departments, Institutions etc. for various projects and activities. Emails were sent out widely describing the background of EH, its significance in 2021 and requesting everyone to observe it locally on the 27th of March 2021.

• EH Photo Frame in the Museum and Zoo Compound - This is the age of photos, selfies and social media presence. The photo frame attracts lot of people and the curious nature of human beings were tapped to spread the word on the significance of Earth Hour.

• #SpeakUpforNature ‘Post-it’ Tree in the Museum and Zoo Compound, Trivandrum - We asked individuals and families how they would speak up for nature and what they would do to protect our planet, reduce carbon footprint or what they would give up to give back to Nature. The participants spend some time reflecting on the subject and put down their thoughts on a ‘post-it’ note and put it up on the tree board.

• Candlelight Vigil in the Museum and Zoo Compound – The Museum and Zoo Department switched off all non-essential lights in their compound and WWF Team organized a candlelight vigil near the Band Stand. A good crowd gathered around to participate in this unique event. The State Director gave a short talk on why we are doing the event and the importance of energy conservation and relevance of the message of Earth Hour in Kerala.

Capgemini Mission Million Campaign – Fruit Tree Planting in Neyyattinkara

The fruit tree planting is being implemented at 19 sites in and around Neyyattinkara covering 4000+ households at five saplings per household. It is conducted in association with Academy for Mountaineering and Adventure Sports (AMAS), Neyyattinkara. Around 23,000 saplings were raised by AMAS, for planting.

KLSO Team attended the Capgemini Mission Million Campaign Launch at Aruvippuram near Neyyattinkara by planting 86 saplings along with members of AMAS. Sugathakumari Teacher, who was a renowned poet and environmentalist in Kerala passed away on 23rd December at the age of 86. She was closely associated with WWF and AMAS and hence it was decided to plant 86 saplings in her fond memory.

The Capgemini Mission Million Campaign was individually inaugurated at 19 sites in and around Neyyattinkara in the presence of the LSGI representatives, NSS Volunteers, Scouts and Guides, KLSO Staff and AMAS Volunteers. KLSO staff trained the Volunteers to use GAIA GPS App to mark the locations. All the sites were mapped using GAIA GPS mobile app and also
Google Map Pin Locations were also given. The data in the prescribed template were compiled and shared with EE Division for reporting to CapGemini.

Sugathavanam – an urban forest in the memory of Sugathakumari Teacher, renowned poetess and environmentalist of Kerala has been established at Govt Girls HSS, Neyyattinkara jointly by AMAS and WWF-India under this project. Sugathavanam was inaugurated on 22nd January.

The Hon. Governor of Kerala Shri Arif Muhammad Khan planted a sapling in the Kerala Raj Bhavan Campus on January 19th as part of this project by paying tributes to Sugathakumari Teacher.

**GIS Course by IGCMC for Youth**

For the course, we very carefully identified and nominated Visanth V.S. (Field Officer, Kerala Forest Development Corporation KFDC) and Nithin Divakar (Conservation Biologist, Aralam WLS) for the GIS Course conducted by IGCMC so that post completion of the course, they will be directly able to put to use what they have learned for better on-ground conservation initiatives.

**2.2 Commemoration of Environmentally Important Days**

**World Environment Day** 2020 – was observed digitally in 2020 in lieu of the pandemic. Talks were given by the State Director, Shri Renjan Mathew Varghese on “A New Deal for People and the Planet” for students in two sessions. Eighty-four students took part in the online talk at St Albert’s College and at Sai Krishna School there were 30 student participants. The ESAF webinar saw a participation of 700 employees.

**International Tiger Day** – was observed by conducting a webinar for the teachers and students of MMNSS College, Kollam in which the talk was led by the State Director. The outreach was 53.

**International Day for the Preservation of Ozone layer** – A Quiz Program was organised at St. Thomas College, Kozhencherry on 16th September 2020.

**World Animal Day & Wildlife Week Celebration** – was observed at TKM Arts and Science College, Kollam on 5th October and 110 students of the Department of Zoology and IQAC attended the program. The State Director delivered the talk titled “Many Species, One Planet, Common Future”.
International Day of Climate Action – was observed by giving a talk titled “Climate Action and You” by Renjan Mathew Varghese for Teachers and Students of OEOH on 23rd October 2020.

World Wetlands Day – was observed by giving online talks. The State Director spoke about the importance of wetlands and its conservation to students of SN College for Women, Kollam on 2nd February 2021, which saw an outreach of 100 participants which included students and teachers. Senior Education Officer also gave a talk on 7th February 2021, to students and teachers of Fathima Matha National College, Kollam and the outreach was 56.

Wildlife Week Celebrations 2020 – was observed in the month of October. State Director and Senior Education Officer gave talks for various audience in this occasion:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Online Session for Wildlife Week</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aranyani 2020 - Agasthyamala - The hub of biodiversity – A K Sivakumar</td>
<td>5/10/2020</td>
<td>140</td>
</tr>
<tr>
<td>2</td>
<td>Catholicate College - Dept of Zoology – Renjan Mathew Varghese – LPR - Fear the facts or face the challenge</td>
<td>6/10/2020</td>
<td>45</td>
</tr>
<tr>
<td>3</td>
<td>Webinar on the &quot;Significance of Wildlife Conservation&quot; – A K Sivakumar - MG College, Thiruvananthapuram.</td>
<td>6/10/2020</td>
<td>172</td>
</tr>
</tbody>
</table>

“Natures Free Services Quizzes” were also conducted for our Volunteers from various colleges for this event. The first was held on 22nd October which witnessed the participation of 240 students. The second quiz program was conducted on 30th November 2020 and 102 students participated in it. e-certificates were sent to the first five winners for both the quizzes.

Salim Ali Day – was observed at KE College, Manaanam, Kottayam where the Senior Education Officer spoke about Birds and the role they perform in our ecosystems. Around 72 students were present for the webinar.

World Nature Conservation Day 2020 – was observed online with MES College of Engineering, Kuttipuram on 28th July 2020 in which the State Director delivered the Lead Talk.

World Rainforest Day 2020 – was observed on June 22 with a webinar for the 5 Ek Prithvi Schools located in and around Neyyattinkara.


2.3 Eco-Talks

Friday Forums have been converted to the digital Zoom platform with the title Eco-Talks. We invite school students attending our various EE programs for these sessions. We started this in December of 2020 and it continues to be conducted on 2nd Friday of every month.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Eco-Talks</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Silence of the Cicadas - Ajay Gosh, Anuraj R Kaimal</td>
<td>11/12/2020</td>
<td>182</td>
</tr>
<tr>
<td>2</td>
<td>Myristica Swamps - Students of Lecole Chempaka</td>
<td>8/1/2021</td>
<td>68</td>
</tr>
<tr>
<td>3</td>
<td>Ode to Our Oceans - Aneesha Ani Benedict for Bhavans Schools</td>
<td>12/2/2021</td>
<td>152</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>402</td>
</tr>
</tbody>
</table>

2.4 Amateur Naturalist Training (ANT)

WWF India Environment Education Division proposed to start off the ANT program with the first event free of cost. In this regard, each State Office was asked to give nominations of promising students. KLSSO Team planned the whole program and charted the way forward. We submitted nomination of 5 students from across the State. We went one-step ahead and drafted a plan for ANT for South Indian States with the list of experts and available resource materials and shared it with the EE Team. The participation of the students in the training sessions were ensured and regularly monitored. On behalf of our Team, Mr A K Sivakumar and Ms Anushreedha Sivanandan regularly attended the ANT meetings conducted by the EE team including the Felicitation Ceremony. We ensured that the State-level participants received the resource material kit items including binoculars.

2.5 Talks delivered

Along with Volunteer Talks, the State Director, Senior Education Officer and Project Officers were invited to give talks online during various occasions. Given below are the details.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Activity</th>
<th>Date</th>
<th>Outreach</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Career in Environment Conservation – Talk for students for Sparkling Minds, Bangalore – Environment/ Nature Conservation – Anushreedha Sivanandan, Project Officer</td>
<td>27/6/2020</td>
<td>19</td>
</tr>
<tr>
<td>2</td>
<td>Citizen Science – Birds and butterfly monitoring – Talk for students for Sparkling Minds – Anushreedha Sivanandan</td>
<td>27/6/2020</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Event Description</td>
<td>Date</td>
<td>Duration</td>
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</tr>
<tr>
<td>3</td>
<td>Webinar on Ecological Footprints for Students of Christ University – Renjan Mathew Varghese</td>
<td>24/8/2020</td>
<td>65</td>
</tr>
<tr>
<td>4</td>
<td>Nation Green Corps - Tvm Dist. - Swachhta Fortnight - Webinar on Biodiversity Conservation and Environmental Cleanliness</td>
<td>4/10/2020</td>
<td>38</td>
</tr>
<tr>
<td>5</td>
<td>Living Planet Report 2020: Fear the Facts or Face the Challenge - Lions Club – Renjan Mathew Varghese</td>
<td>8/10/2020</td>
<td>59</td>
</tr>
<tr>
<td>6</td>
<td>Webinar - Know, Value, Preserve Nature’s Free Services – Renjan Mathew Varghese</td>
<td>22/10/2020</td>
<td>157</td>
</tr>
<tr>
<td>9</td>
<td>Refresher Course for Faculty of University of Kerala - Talk on Ecological Footprint and Human Wildlife Conflict by Renjan Mathew Varghese</td>
<td>11/2/2021</td>
<td>58</td>
</tr>
<tr>
<td>10</td>
<td>Invited Talk for Dept. of Botany, CMS College Kottayam - We need a New Deal for People and the Planet by Mr Renjan Mathew Varghese</td>
<td>5/3/2021</td>
<td>67</td>
</tr>
<tr>
<td>11</td>
<td>Citizen Science in Turtle Conservation for Conference on Life Below Water by Dept of Aquatic Biology and Fisheries - Kerala University - by Renjan Mathew Varghese</td>
<td>20/3/2021</td>
<td>64</td>
</tr>
<tr>
<td>12</td>
<td>Addressing Climate Change - From Global to Local with focus on Kerala&quot; for the National Conference on Climate Change in India organized by Sree Sabareesa College, Kerala University - Renjan Mathew Varghese</td>
<td>20/3/2021</td>
<td>57</td>
</tr>
</tbody>
</table>

**Total**: 629

These webinars in partnership with others have really helped us to talk about our work to the wider society and encourage others to do their bit for nature conservation. And obviously, it has helped us to improve our networking with individuals and institutions too.
2.6 Other Partnership Programmes

Panel discussion in Rain International Film Festival

The State Director was invited as an expert in the panel discussion held on the topic “Environment and Wildlife amidst Covid crisis” organized online on 28th January as part of the Rain International Nature Film Festival organized by Birds Club. Dr Abhilash, Asst. Professor, Chengannur Christian College, Mr Prabhu, ACF, Social Forestry, Thrissur and DFO Aralam Wildlife Sanctuary were the other panelists.

WWF Concept Note for EMC Silver Jubilee Year 2021

Energy Management Centre has invited Concept Notes on how they can effectively and efficiently celebrate their Silver Jubilee Year in 2021. A detailed Concept Note with relevant initiatives mainly on energy conservation have been drafted and submitted.
DOMESTIC LIGHTING:

- Make use of natural light.
- Use light coloured paints for room interiors (wall & roof) which has been absorption.
- Clean fittings (reflectors, shades, lamp surface etc.) periodically.
- Use energy efficient tubes and LED lighting schemes (LED Panel lights, Tube light, Flood lights etc.)
- Light selection depending on usage, location, hours of operation and aesthetics.
- Use Task lighting (Table lamps, workshop lamps etc.) for specified tasks.
- Use 3W LED Bulbs to replace 15W (Zero Watt) Bulbs.

Photo Gallery – One Earth, One Home
Photo Gallery – One Earth, One Home & Wild Wisdom Quiz
Photo Gallery – Dragonfly Festival
Photo Gallery – Dragonfly Festival
Photo Gallery – Dragonfly Festival
Photo Gallery – Magical Mangroves
Photo Gallery – Magical Mangroves
Photo Gallery – Tide Turners Plastic Challenge
Photo Gallery – Volunteer Talks under VEP
Photo Gallery – Volunteer Talks under VEP
Let's SPEAK UP FOR NATURE
Kerala Edition
The end of time

Can you feel it breach your fingers? The skin on her neck, the hair running beneath, her sight for air, and you - her nose - smelling her without wanting, anticipating her with such sheer indifference that a monsoon hit home.

Do you hear the sound of her panning for breath? I can see when that noise of you arguing about God, just not my - those of others - was part in doing so, all done with her and lines - I can hear her without sound.

Can you feel it round your mouth? The words from the stories that tell your lips together, the last two you spoke about climate change; where is it now yours?

The summer is cold, but it's like muscle memory is shut up in conflict now. You were promised apocalypse then nailing your own business - where is the big win?

Do you feel like a fool now, the believed time men who loved money more than the breast? When your childcries, not your lap but yours - a post of trust, do you wish that she would live a few years - absent in solitude, are you so once, honest?

You're busy setting down traps for a rabbit, when your house is out, your corridor are chases, your life hanging by a thread. It's time to pull out the photographer now! To call for help. Yet, you don't. You're waking to be kind. Or are you already dead?

DR. VEENA SHANKAR

NEW DEAL FOR THE PEOPLE AND PLANET

“Enough is enough!” echoed Mother Earth, I promised my children with all, without a doubt. Yet, what has become of my body and soul? It’s been squeezed and squished. Is this what they call Sustainable Development Goal?

My senses once echoed with avian symphony, It’s been long replaced by vehicular cacophony. Magnificent heels ruined my green eyes in sincere, until roads and highways split their habitat into shards.

My snow, cold glistening rivers sparkled in sunlight, now they float in floods; what a sight! My mountains and hills once stood with their heads bent not ragged and mixed for wealth, they are left life and dizzy.

My palm-fringed beaches were a pleasure to the soul,梯级与喘息，他们现在.Sign. It was a toy area in rock my children fun lesson, so slow downs, recline and watch their unspeakable actions.

What I said now, for a better you and me is a New Deal: I’ll parent and sustain you, but my balance; you won’t steal it is time to end your apathetic, greedy roar and live in harmony with my nature, in a balanced peace.

SURYA SARKAR

2ND PRIZE WINNER

EARTH HOUR 2021 POETRY COMPETITION

ENGLISH CATEGORY

WWF INDIA KERALA STATE OFFICE
Photo Gallery – Earth Hour 2021
Photo Gallery – CapGemini Mission Million Plantation Campaign
Photo Gallery - CapGemini Mission Million Plantation Campaign
Photo Gallery - CapGemini Mission Million Plantation Campaign

Photo Gallery – Eco Talks

Silence of the Cicadas
Introduction to Silent Valley National Park
Biodiversity of Silent Valley National Park
Issues & Concerns of Silent Valley National Park

Mysterious Swamps
What is Mysterious swamp? Its physical characteristics
Faunal Diversity
Floral Diversity
How can you protect your share?

Ode to the Oceans
Oceans of our planet
Biodiversity of Oceans
Plastic Oceans
Photo Gallery – Observation of Environmentally Important Days

Webinar for World Environment Day 2020

Webinar for International Tiger Day 2020

Webinar as part of Animal Welfare Day 2020

Webinar as part of International Day of Climate Action
Photo Gallery – Observation of Environmentally Important Days

Webinar as part of World Wetlands Day 2021

Webinar as part of World Nature Conservation Day

Webinar as part of World Rainforest Day 2020
Photo Gallery – Invited Talks

- SUSTAINABLE DEVELOPMENT & ECOLOGICAL FOOTPRINT
  Renjan Mathew Varghese
  State Director
  WWF-India, Kerala State Office
  Thiruvananthapuram
  Ph: 0471-2302265/ 98472 87725
  Email: renjanmv@wwfindia.net

- Fear the Facts OR Face the Challenge
  Living Planet Report 2020
  Renjan Mathew Varghese, State Director (Kerala), WWF-India
  98472 87725/ renjanmv@wwfindia.net

- Swachhta Fartmacht Webinar
  by NGC Thiruvananthapuram

- Consumerism or Conservation – Choice is in your hands
  Renjan Mathew Varghese
  State Director, WWF-India
  98472 87725/ renjanmv@wwfindia.net

- OISCA International South India Chapter
  Webinar
  Mountain Ecology, Youth and Development: Balancing Future Options for Conservation Gains
  11 December 2020: 1600h
Photo Gallery – Invited Talks
3. Policy and Advocacy-level interventions
Town Hall Meeting on Environment, Climate Change & Future of Kerala

The State Director, Senior Education Officer and Accts & Admn Officer attended the meeting convened by Kerala Parishithi Aikya Vedi at YMCA Auditorium on 22 March 2021. The State Director put forward his observations on the Election Manifestos put forward by the various political parties and raised questions to the Panel Members.

Charachira Pond Encroachment & Court Case by Concerned Citizens

Charachira Pond is a freshwater pond located right in the midst of Thiruvananthapuram City. Holy Angels ISC School Team had selected this pond for their project work under the WIPRO earthian programme implemented by us few years back. From their study, they realized that extensive reclamation has been done around the Pond and the health of the pond has been deteriorating due of multiple anthropogenic interventions. In this regard, the Teacher-in-charge Ms Evangalene Sugunan and students intervened in various ways, but failed. Finally, with some local support they have moved it to the High Court of Kerala. Our Staff Team also carried out a review of the present situation of the pond and came out with a White Paper. The High Court has appointed a Commission to visit the pond and look into the complaints received. We are giving all possible support to the Holy Angels Team and other environmentalist involved in protecting this pond. The matter has been brought to the attention of SG & CEO and also Ms. Moulika Arabhi at WWF-India Secretariat, New Delhi.

Turtle Killing in Vizhinjam

A video shot secretly using mobile of the brutal killing of a Marine Turtle in Vizhinjam area was shared on the Kerala Marine Turtle Conservation WhatsApp group. The members in the WhatsApp group who are LMTCG Volunteers raised their serious concern on this brutal killing and requested WWF to take this up with a strong voice. The State Director has written formally to the PCCF (Wildlife) & Chief Wildlife Warden, Kerala Forests & Wildlife Department and Member Secretary, Kerala State Biodiversity Board seeking immediate and strict action. In discussion with both Departments, it has been decided to conduct more awareness programmes in these areas to make the people aware about significance of Marine Turtles and legal issues in its capture or killing.

Thiruvananthapuram Corporation Development Seminar

The State Director is Member of the Working Group on Environment and Disaster Management of Thiruvananthapuram Corporation. The Thiruvananthapuram Corporation organized the Development Seminar on Sunday February 21st at Girideepam Convention Centre. Considering the COVID-19 protocol and to avoid large gatherings, we avoided attended the meeting. But we had an in-house brainstorming session in line with LBSAP Kochi done by ICLEI and further prepared a Guideline Note for Thiruvananthapuram Corporation and submitted it for their perusal.
Photo Gallery

Charachira Pond Illegal Reclamation for Development Project and Court Case by Concerned Citizens

Town Hall Meeting on Environment, Climate Change & Future of Kerala by Paristhithi Aikya Vedi
4. Networking
**WWF Environmental and Social Safeguards Framework (ESSF)**

The translation from English to Malayalam was done by Ms Sowmya based in Thrissur, the design and layout of the document done by Godfrey’s Graphics in Tvpm and the final PDF shared with WWF-India Secretariat, including (1) Grievance Redressal Process (2) Standard on Community Health (3) Standard on Indigenous People, and (4) Standard on Involuntary Resettlement.

**Working with the WGNL Programme**

Worked with Mr Tiju C. Thomas on the translation of the script for the Human-Elephant Conflict short documentary to be translated and shared with the Kerala Forests & Wildlife Department, drafting and submission of the Gramasabha Resolution against the Proposed Anakkayam HEP, review of the article titled “Lessons in Environmental Conservation from the Kadar Tribe in Kerala and Why Athirappilly HEP is a non-starter”.

**Youth Nomination for UNEP**

Mr. Jeffin John and Mr Govind Girija’s names were given from the Youth Nomination for UNEP as requested by EE Division. A short note on their contribution in the field of nature conservation and environment protection, mainly as Volunteers of WWF-India were prepared and submitted as part of the nomination.

**Webinars Attended**

**State Director**

- Oct 3 Marine Turtle Conservation by Social Forestry Division, KFD
- Oct 6 Characterization of India’s Biodiversity
- Oct 10 Politics of Plastics by Green Army of Thiruvananthapuram Corporation
- Oct 15 Climate Services for Regional Policy Planning by TERI
- Oct 16 Biodiversity and Bioeconomy
- Oct 19 Cataloguing and Mapping Life of India
- Oct 21 Why Kerala is important for India
- Oct 22 Education as if the Earth mattered
- Oct 23 Educating, engaging and informing public on biodiversity
- Oct 27 Climate Change adaptation, mitigation and disaster resilience
- Nov 12 Education for Sustainable Development (ESD) Webinar
- Nov 16 Remembering Latha of River Research Centre
- Nov 19 GIS Day Talk by Dr V K Dadhwal
- Nov 19 & 20 Workshop on Water Pollution and River Dynamics by SES MG University
- Nov 24 Spatial Infrastructure & Sustainable Development by Maxar
- Nov 26 Air Pollution in Gurugram by CC&E Division
- Nov 30 How to fundraise for Innovative Projects
- Dec 8 Engaging Facilitation Activities and Formats
- Dec 9 ESD and Global Health
- Dec 18 Remote Sensing for Environment Monitoring & Climate Change Assessments
- Dec 18 Feasibility of e-vehicles in the Sundarbans
- Dec 21 Climate Proofing Smart Cities by CC&E Division

Senior Education Officer
- Attended the Energy Conservation Literacy Webinar organized by Energy Management Centre, Kerala
- Attended the webinar on e-mobility in the Sundarbans
5. Publications
KLSo bimonthly newsletter “Mruthika”

The work of compiling the information for bringing out the pending issues of Mruthika is progressing well with all the staff involved preparing various components of the newsletter.

Handbook on Common Butterflies of Kerala

The handbook was prepared in the template provided by the EE Division. The content was developed by Mr Sujith V. Gopalan, a very active Volunteer of WWF in the State and an expert on biodiversity, especially the lesser-known. The design and layout was reviewed multiple times, corrected and refined and finally printed and taken into stock.

Handbook on Waterbirds of Kerala

We are carrying out the project titled “Conservation of the major wetlands serving as waterfowl habitats in southern Kerala” for the State Wetlands Authority (SWAK), Govt. of Kerala under the Wetlands Conservation Awareness Campaign (WCAC). Under that project, we have come out with a publication on Handbook on Waterbirds of Kerala. The template of EE Division was followed for this publication too and the content was developed by Mr A.K. Sivakumar, Senior Education Officer. Post several reviews and editings, it was finally printed and published.

Handbook on Native Trees of Kerala

A proposal is being worked out to bring out the next handbook in the series on Native Trees of Kerala.
6. Internship
Joanne Mary George & Mehsana Salim

Ms. Joanne Mary George & Ms Mehana Salim, students of BA LLB, Govt. Law College, Thiruvananthapuram underwent their internship for a period of one month with Kerala State Office at Thiruvananthapuram from 29th March to 30th April, 2021. During this period, they have mainly worked on exploring our “Give Up to Give Back (GUGB) Campaign” which speaks out the fact that Planet Earth has given us all that we require, and now, it is time for us to give back by giving up our greed totally and even some of our needs. They has compiled information on it from various sources, mainly online, and developed presentation focusing on “How we can GUGB at our Homes”.

Law Students from Mount Zion College of Law

A team of law students Ariya M.A., Shabana Shibili, A.J. Abdulla, Dhanu S. Kumar, Pranav R., and Amina H. Shamon of Mount Zion College of Law underwent their internship at Kerala State Office. During their internship period, they critically looked at the encroachment and related illegalities in the Charachira Pond issue located within Thiruvananthapuram City for which some concerned citizens have moved the Court against Thiruvananthapuram Corporation. They visited the site, interacted with the local residents, other stakeholders involved, looked at the legal provisions available in the country to protect such waterbodies and have submitted a final report to our office.

Niranjan

Mr Niranjan, student of M.Sc Environmental Studies and Resource Management, TERI School of Advanced Studies, New Delhi approached us to engage digitally in this time of Covid pandemic to carry out his mini project. The work that he has completed is titled “Asian Waterbird Census: An Analysis of Southern Kerala”.

KAU Students

The team of students of BSc (Hons) Cooperation and Banking Sowparnika S.B., Sreelekshmi O.S., and Soorya S. Kumar from Kerala Agricultural University, Vellanikkara visited our office as part of their Practical Visit on 7th December 2020. Our State Office Team comprising of Mr Renjan Mathew Varghese, State Director, Ms Anushreedha Sivanandan, Project Officer, Ms Merlin Mariam Varghese, Project Officer and Ms Rahana Iqbal, Education Officer interacted with the students. The State Director delivered the PowerPoint presentation titled “Work at WWF-India Kerala State Office” followed by informal interaction session.
7. Proposals Prepared and Submitted
New Project Ideations

The staff were asked to come up with 2-3 ideas on possible new project proposals. The ideas were shared and discussed and necessary comments and suggestions given to develop them into Concept Notes.

Brainstorming session on environmental issues and possible interventions – district-wise

This session was conducted in-house to identify possible interventions in relevant environmental issues across the fourteen districts of Kerala. The issues were listed down, prioritised and possible interventions discussed.

Proposal to create an Urban Miyawaki Forest in Thiruvananthapuram City by WWF

As part of the Fifty Years Celebration of WWF-India, such a proposal was submitted to the SG & CEO. Dr Diwakar Sharma was asked to comment on the proposal and based on the comments received, the State Director has reworked the proposal and submitted it to Mr. Hari, MD, Invis Multimedia and strong proponent and practitioner of Miyawaki in Kerala.
8. Fundraising
Sales of WWF-India Conservation Products

The Catalogue was shared with all concerned and follow-up conducted through phone calls and mails. Previous years customers were given special focus. The orders were taken, follow-up done with the Secretariat, products delivered on time and payments credited.
9. Other Activities
Office Shifting

The State Office was shifted to the 1st Floor of the adjoining building and all the staff participated in arranging the new office space – setting up of library, organizing the shelves etc. With the help of the Student Volunteers of Fine Arts College, we have done an art work in front of the building which really speaks our mission.

KLSO Staff Online Work Diary

Because of the Covid pandemic situation and the subsequent Work from Home mode of functioning, we have made the Online Work Diary on OneWWF platform. It is being updated daily by all the staff members so that the Line Manager can monitor the progress of the work.

KLSO Team Meetings & Online Work Updates

Because of the pandemic and Work from Home mode, regular weekly meetings are conducted on the Zoom digital platform to discuss the work and go forward. The updates are entered into an Online Worksheet on the OneWWF platform to monitor progress effectively.

Office Family Outing to Kallar

The staff with family had an outing on 23rd December to Kallar Forests.
Photo Gallery

Climate Change Mitigation Expedition

Rain International Film Festival – Panel Discussion

Office Family Outing to Kallar
Why we are here
To stop the degradation of the planet’s natural environment and to build a future in which humans live in harmony with nature.

www.panda.org

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