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| **Quarterly Monitoring Form** | | | | | | | | | | | | | | | | | | | |
| Project title | Mapping the plastic litter leaking into the waterways of Mekong countries and providing innovative solutions for efficient waste management. | | | | | | | | | | | | | | | | | | |
| Project Objective | The general objective of this project is to implement Science, Technology, and Innovation (STI) solutions focused on the plastic leakage problem in the Mekong countries. The project will engage all stakeholders (public, private, academics, NGOs, and governments) to support plastic waste management at national and regional levels. By leveraging STI and bringing together private and public sectors, it aims to address identified problems and promote sustainable solutions. | | | | | | | | | | | | | | | | | | |
| Implementing Agency / Country | Asian Institute of Technology, Thailand | | | | | | | | | | | | | | | | | | |
| Funded by | Mekong-Republic of Korea Cooperation Fund (MKCF) | | | | | | | | | | | | | | | | | | |
| Project commencement date | 01/03/2024 | | | | | | Project completion date | | | | | | | | 31/05/2026 | | | | |
| Mid-term report submission date | 15/05/2025 | | | | | | Final report submission date | | | | | | | | 31/07/2026 | | | | |
| Approved Budget (US$) | 609,106 | | | | | | 1st install. (50%) transferred on | | | | | | | | 05/04/2024 | | | | |
| Reporting Period | 1st quarter (March-August 2024; 6 months) | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **Outputs/Activities** | **Plan: Year 1** | | | | | | | | | | | | | | **Progress** | | **Remarks** | **Fund Utilization** | |
| **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | *Status* | | *Short Description* | | **Approved Amount** | **Actual Expenditure** |
| **Output 0.** |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  | |  |  |
| **D1. Inception workshop and formation of national teams (hybrid)** |  |  |  |  |  |  | |  |  |  |  |  |  | COMPLETED | | [MKCF Project Launch-AIT (Part I)](https://ait.ac.th/2024/04/new-regional-initiative-launched-to-combat-plastic-pollution-in-mekong-countries/)  [MKCF Project Launch-GIC,AIT (Part II)](https://geoinfo.ait.ac.th/plastic-flow-mekong-kickoff/) | | **535** | **535** |
| **Output 1. Plastic Leakage Prevention (before-leakage activities)** | | | | | | | | | | | | | | | | | | | |
| Activity A1. Develop partnerships with local businesses and organizations to implement plastic reduction measures |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  KH: COMPOSTED  1.1Inception meeting with the City Governor and the Waste Management Office  1.2 Site visit for CCTV installation along Sangke River.  LA: NUOL  2.1 Site inspection for CCTV at TharNgon bridge & water station in Vientiane with DONRE, water station, Dept of Road.  2.2 Met with the local community to discuss project activities and design preparation for waste cleanup activity.  TH: ERIC  3.1 Discussion of plans and guidelines for project implementation with AIT.  3.2 Met with CP to discuss community operations along the LadPrao canal  3.3 Met with Bang Khen and Lak Si district officials to discuss the project’s operational guidelines  3.4 Met with the Bangkhen district office director to seek support for waste management.  3.5 Discussed operations with Bang Khen and Lak Si District Cleanliness division.  3.6 Discussed with AIT regarding camera installation.  VN: ISPONRE  Kickoff with DONRE and other stakeholders in Can Tho  VN: Greenhub, Clearrivers  4.1 Preliminary survey in waste management situation in Hien Thanh Primary School, Can Tho (1 school)  VN: Clearrivers 5.1Collaboration with relevant stakeholders for procedures for installation of 2 cameras (ongoing) | | [COMPOSTED Project kickoff](https://www.facebook.com/permalink.php?story_fbid=pfbid0g1ofhTCTLt2nRV8dXBnvXBPrPTFno7w194tfXvN8Jn4HWpdBAPCNjqSq4abFaWWfl&id=61561085350741)  [NUOL site inspection at Vientianne](https://www.facebook.com/permalink.php?story_fbid=pfbid02zK7EKkp7orwdAghnWqLKGPmsAjDvgeTt6aVW9YT7MCCoMeN1ytHdFHG4FW9Nym9xl&id=61561085350741)  [Meeting at Bang Khen & Laksi](https://www.facebook.com/permalink.php?story_fbid=pfbid02fMFe6gsrCJhop964dqVmaRHfjYMREVpQ9BNeefT8FDFfDTqnu7WB9oGZbEeWvM4fl&id=61561085350741)  to be updated  [ISONPRE project kickoff](https://www.facebook.com/photo?fbid=122117404910369511&set=a.122114946974369511)  [Greenhub & Clearrivers baseline survey at school](https://www.facebook.com/photo?fbid=122119064528369511&set=a.122114946974369511)  Community (pending) | | 7,062 | 7,293.57 |
| Activity A2. Conduct a survey to assess consumer behavior and attitudes towards plastic use in a specific community. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **TH**: ERIC  1.1 Baseline survey done in Bang Bua and nearby communities for waste management information  1.2 Waiting for the ethics committee to approve their survey forms.  1.3 Baseline survey done in Bang Khen and Lak Si communities.  **LA**: NUOL  Baseline studies of dominant plastic waste coming out of 3 villages in TharNgon bridge | | [Bang Bua site survey](https://www.facebook.com/permalink.php?story_fbid=pfbid0zYykqxCkypcx313XfVdAcCxAwZsqUfGu3shPoSxibETxRkUiPfBSLKe6kPdJSmCvl&id=61561085350741)  [NUOL baseline study](https://www.facebook.com/nalin.souvanna/posts/pfbid037Ge3ncZN8e9qeSdxKa36yK7LTHAdw9MAtbRU3iQMiPfWPL3CGkLTFgbJcSiVFpH5l) | | 14,124 | 4,714,19 |
| Activity A3. Design and conduct educational and awareness-raising activities targeting the public |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **TH: ERIC and TerraCycle have already started to design/produce educational materials** | |  | | 12,412 | 2,839.24 |
| Activity A4. Carry out relevant capacity building for the ground survey. Carry out plastic waste flow analysis and plastic leakage hotspot mapping |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **AIT: Tentative training plan: Cambodia-September 2024; Thailand-October 2024; Vietnam-October 2024; Laos - October 2024** | |  | | 33,555.20 |  |
| Activity A5. Outreach activities in waste segregation. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **TH: ERIC carried out waste segregation with the local district officers and local communities**  **LA**: NUOL  Baseline studies of dominant plastic waste coming out of 3 villages in TharNgon bridge | |  | | 25,680 | 8,991.22 |
| Activity A6. Training district officers on zero-waste and plastic circularity, action plan development, and project evaluation. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  TH: ERIC  1.1 Workshop to develop a waste management system along the Lad Prao Canal.  1.2 Training on waste management, black soldier fly farming to Bang Khen district officials | | [Chulalongkorn (ERIC) workshop for Bangkhen & Lak Si](https://geoinfo.ait.ac.th/mkcf-chulangkorn-workshop-2024-1/)  [ERIC training on WM and BSF farming](https://www.facebook.com/bangkhendistrict14/videos/502212828946002) | | 20,330 | 2,620.45 |
| **Output 2.** **Plastic waste detection and monitoring methodology for the Mekong region is elaborated** | | | | | | | | | | | | | | | | | | | |
| Activity B1. Review the existing monitoring programme and methodology |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **AIT**: The project team and the reviewing team are finalizing the review report. | |  | | 8,025 |  |
| Activity B2. Develop a database for recording and analyzing data on plastic waste |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **AIT**: The database has been set up. The web portal/dashboard is finished.  All of the finished products are going through final reviews. | | [Plastic Flow Mekong - Website](https://plasticflow-mekong.com/)  [Data Dashboard](https://experience.arcgis.com/experience/5688bff074554dcbb03af89ec4214122)  [Plastic Flow Mekong - Facebook Page](https://www.facebook.com/profile.php?id=61561085350741) | | 13,910 | 10,700 |
| Activity B3. Carry out the related technical capacity building to local technical partners for the AI plastic detection system. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  **AIT: Tentative training plan: Cambodia-September 2024; Thailand-October 2024; Vietnam-October 2024; Laos - October 2024** | |  | | 24,931 |  |
| Activity B4. Set up monitoring equipment along the canals/rivers + continuous monitoring |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  LA: AIT is shipping AI-CCTV units to Laos. Site selection is finalized. The authority’s permission is finalized.  KH: AIT is constructing the AI-CCTV units for Battambang. Site selection is finalized. The authority’s permission is pending.  VN: The AIT team is contracting a local technical team to construct the AI-CCTV units. Site selection is finalized. The authority’s permission is pending.  TH: Location selection is pending. Installation design is in discussion. | | [NUOL site inspection at Vientianne](https://www.facebook.com/permalink.php?story_fbid=pfbid02zK7EKkp7orwdAghnWqLKGPmsAjDvgeTt6aVW9YT7MCCoMeN1ytHdFHG4FW9Nym9xl&id=61561085350741) | | 41,195 |  |
| Activity B5. Establish partnerships with local schools, community groups, and businesses to monitor and collect plastic waste in the project areas. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  TH: ERIC is approaching the potential schools and community leaders in the interested districts.  VN: Greenhub and ClearRiver have identified the schools to implement the project.  KH: Composted and RUPP have identified the riverine communities and district to implement the work.  LA: NUOL already started implementing the work with local communities. | |  | | 16,349.60 |  |
| **Output 3. Plastic waste collection (post-leakage activities)** | | | | | | | | | | | | | | | | | | | |
| Activity C1. Establish a network of collection points for plastic waste, such as clean-up stations or community drop-off, and public education |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  TH: ERIC is formulating a plan on how to best assist district offices in improving the community waste collection point. | |  | | 25,166.40 |  |
| Activity C4. Set up waste banks in local schools and provide monthly management coaching. |  |  |  |  |  |  | |  |  |  |  |  |  | **On-going**  TH: ERIC is in the process of selecting the schools that are interested. | |  | | 30,730.40 |  |

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|  | Planned Timeline |
|  | Elapsed time |
|  | Proposed Extension |

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| --- | --- |
| TH | Thailand |
| LA | Lao PDR |
| VN | Viet Nam |
| KH | Cambodia |