

IKI Newsletter Indonesia

17TH EDITION



June 2022

About the International Climate Initiative

The International Climate Initiative (IKI) is an important part of the German government international climate finance commitment. Since 2022, the Federal Ministry for Economic Affairs and Climate Action (BMWK) has been the lead ministry for IKI. The funding programme cooperates with its founding ministry, the Federal Ministry for Environment Nature Conservation, Nuclear Safety and Consumer Protection (BMUV), as well as the Federal Foreign Office (AA). Through IKI, the ministries jointly support approaches in developing and emerging countries to implement and ambitiously develop the Nationally Determined Contributions (NDCs) anchored in the Paris Agreement. This includes measures to adapt to the impacts of climate change and to conserve and rebuild natural carbon sinks, taking into account environmental, economic and social concerns. With regards to biodiversity, IKI also supports its partner countries in achieving the goals of the Convention on Biological Diversity (CBD).

The activities from IKI projects range, for example, from advising policy-makers on capacity building and technology partnerships to risk hedging through innovative financial instruments. They also include studies, project preparation advice for infrastructure development, and investment instruments for climate change mitigation or biodiversity conservation.

To date, IKI has approved more than 800 climate and biodiversity projects in over 60 countries worldwide with a total funding volume of five billion euros (2008–2021).

The programme management, evaluations and technical assistance of the projects, as well as the management of IKI media and communication are supported by the IKI Office at the government owned Zukunft – Umwelt – Gesellschaft (ZUG) gGmbH.

The IKI finances projects run by organisations that implement measures together with developing, emerging and transitional countries within the four IKI funding areas: mitigating greenhouse gas emissions; adapting to the impacts of climate change; conserving natural carbon sinks with a focus on reducing emissions from deforestation and forest degradation (REDD+); and conserving biological diversity. Many projects normally involve more than one funding area.

More information is available on the [IKI website](#).

Policy Highlights

Group of Twenty (G20)

This year, Indonesia is holding the [Presidency of the Group of Twenty \(G20\)](#) and will host the G20 Summit in Bali on 15–16 November 2022.

The Ministry of Environment and Forestry (KLHK) held the **2nd Environment Deputies Meeting and Climate Sustainability Working Group (EDM-CSWG)** Meeting in Jakarta on 19–22 June 2022. The meeting resulted in a pre-zero draft of the Ministerial Communiqué that consist of the joint priorities of the two working groups. It emphasizes the interlinkage between environmental and climate issues by putting forward the scientific basis from relevant studies. KLHK Director General of Climate Change and EDM-CSWG chair, Ms Laksmi Dhewanthi, will conduct a bilateral coordination meeting with the chairs of the Energy Transition Working Group (ETWG) and the Sustainable Finance Working Group (SFWG) to highlight the interlinkage between climate, environment, energy, as well as sustainable finance in the draft Ministerial Communiqué. The EDM-CSWG chair and co-chair will continue to provide good practices between the two working groups to deliver ambitious and achievable outputs on priority topics. The 3rd EDM-CSWG Meeting is scheduled for 29–30 August 2022 in Bali.

The Ministry of National Development Planning (Bappenas) held the **2nd Development Working Group (DWG) Meeting** in Yogyakarta on 24–25 May 2022 collecting input from G20 member states. The discussions that took place during the meeting were an important step in preparing the ‘zero draft’ of the **G20 Roadmap to Stronger Recovery and Resilience in Developing Countries, Least Developed Countries (LDCs) and Small Island Developing States (SIDS)**, and the ‘zero draft’ of the **G20 Principles in Scaling Up Blended Finance in Developing Countries, LDCs, and SIDS**. Bappenas Director of Multilateral Funding and G20 DWG Co-Chair, Ms Raden Siliwanti highlighted that Indonesia has identified three focus areas: micro, small and medium enterprises (MSMEs); adaptive social protection; and green and blue economy through low carbon development. The 3rd DWG Meeting is scheduled for 10–11 August 2022 in Bali.

The **1st Energy Transitions Working Group (ETWG) meeting** was held in Yogyakarta on 24–25 March 2022. During the meeting, a unanimous agreement was reached to place energy accessibility, improving clean energy technologies, and energy financing on the agenda for this year’s G20 ETWG. In addition, ETWG Chair, Mr Yudo Dwinanda Priaadi reported a joint commitment to achieve net-zero emissions (NZE) and realise the sustainable development goals (SDGs) by 2030. The 2nd ETWG Meeting will be held on 23–24 June 2022 in Labuan Bajo.

Sustainable finance

Indonesian state-owned bank BNI has taken strategic steps in supporting the transition from fossil fuels to green energy. From January to March 2022, BNI disbursed green financing of IDR 170.5 trillion (around 11.5 billion USD) to various segments, as shown in its (bank only) green portfolio; a 21.8 per cent hike year-on-year (YoY). BNI’s green portfolio accounted for 28.9 per cent of its total loan portfolio, with the majority of loans provided to micro, small and medium enterprises (MSMEs). The rise in green projects is predicted to improve banking industry players’ performance in carrying out their intermediary functions.

Renewable energy

The **Renewable Energy Bill** is currently being prepared jointly with the House of Representatives with the aim of accelerating renewable energy development in Indonesia. However, environmentalists have questioned the draft bill, which proposes classifying coal bed methane, coal liquefaction and coal gasification as ‘new energy’ sources alongside nuclear and hydrogen power. The House of Representatives is set to vote on the bill in the middle of June before sending it to the government for further discussion. The bill is expected to be passed into law before this year’s G20 summit.

On 12 May 2022, Indonesian state-owned oil and natural gas corporation PT. Pertamina and American multinational energy corporation Chevron signed a Memorandum of Understanding (MoU) to explore opportunities for low carbon businesses in Indonesia in supporting Indonesia's target to reach net-zero emissions by 2060. The plan involves developing geothermal technology; carbon offsets through nature-based solutions; carbon capture, utilisation, and storage (CCUS); and the development of low carbon hydrogen production, storage, and transportation. The MoU signing was witnessed by Chevron vice president of Business Development, Mr Jay Pryor, and Pertamina president director, Ms Nicke Widyawati. Coordinating Minister for Maritime Affairs and Investment (Kemenko Marves), Mr Luhut B. Pandjaitan and Minister of Investment/Head of Investment Coordinating Board (BKPM), Mr Bahlil Lahadalia were also present during the signing.

Forestry, REDD+

The Minister of Environment and Forestry, Ms Siti Nurbaya Bakar, **stated in the G7 multilateral forum that Indonesia has applied a permanent moratorium on primary natural forests and peatlands covering an area of 66 million ha, and is restoring and improving 3.4 million ha of peat hydrological systems.**

The country has two new policies on peatland management: (1) **Minister of Environment and Forestry Regulation No. 7/2022 on Assignment of Peat Restoration Duties for the 2022 Fiscal Year**, which replaces Regulation No. 2/2021 on Assignment of Peat Restoration Duties to Seven Governors (duties for the 2022 fiscal year are laid out in the new regulation's annex) and (2) **Minister of Agriculture Regulation No. 3/2022 on Human Resources Development, Research and Development, Rejuvenation and Infrastructure for Oil Palm Plantations**. Criteria for oil palm rejuvenation include land status legality, which means plantation land must not be inside the forest estate or on protected peatland areas.

On 10 June 2022, President Joko Widodo opened the [Rumpin Nursery, Mangrove Rehabilitation and World Mangrove Centre](#) in Rumpin Subdistrict in Bogor district, West Java. He pointed to this Nursery Centre being a tangible manifestation of the government's commitments to addressing climate change and restoring degraded environments. The government has set a target to launch 30 nursery centres across Indonesia over the next three year. During the opening, President Widodo said the Rumpin Nursery Centre is a form of solid partnership between the central government and major companies in the country. He also expressed his gratitude to the World Bank and the German Government for their support in realising the nursery centre.

Biodiversity

Starting in 2022, responsibility for **Indonesia's Clearing House Mechanism for Biodiversity (CHM) has been moved to the Directorate of Species and Genetic Biodiversity Conservation under KLHK**. Previously the CHM was under KLHK's Directorate of Conservation Area Planning.

Changes in personnel

On 9 June 2022, Mr Josaphat Rizal Permana was appointed **Deputy of Maritime Affairs and Natural Resources**, Bappenas, replacing Mr Arifin Rudiyanto following his retirement. Previously, Mr Josaphat Rizal Permana served as Deputy of Facilities and Infrastructure, Bappenas.

On 22 April 2022, Mr Agus Rusly was appointed **Executive Secretary of the Directorate General Climate Change Control under KLHK**. Previously, he served as Head of the Sub-Directorate for Climate Change Resources Support under the Directorate of Resource Mobilisation, KLHK. His predecessor, Ms Novia Widyaningtyas, has been appointed as Industry and International Trade Expert to the Minister of Environment and Forestry.

On 1 April 2022, Mr Wiratno retired from his position as **KLHK Director General of Natural Resources and Ecosystem Conservation (KSDAE)**. Since then, current Ministry of Environment and Forestry Secretary General, Dr Bambang Hendroyono has been standing in as Acting Director General KSDAE.

IKI Project Highlights

ITDP, Reducing Emissions through Integration and Optimization of Public Transport in Indonesia

A **Multi-Stakeholder Dialogue forum** was conducted by ITDP in collaboration with the Ministry of Public Works, the National Public Accessibility Movement (GAUN) and UN Women. This forum was set up to gather additional input for a **Ministry of Public Works draft circular letter on National Technical Guidance for Inclusive Pedestrian Facilities**. Forum participants, who had various backgrounds and fields of expertise, represented various Indonesian cities and provinces. ITDP ensured participants had a balanced gender ratio, and a range of age groups and abilities. Information kits were disseminated to participants to help publicize a follow-up open call for public input, which was ongoing until 13 May 2022, to ensure engagement with a broader audience throughout the country.

Trans Semarang, a major public transport service operator for Semarang city, conducted a sign language class for its staff. The class was part of **ITDP's recommendations to ensure an inclusive public transport service in Semarang**. Documentation of the class can be found [here](#).

ITDP held a focus group discussion (FGD) with vulnerable groups in Medan to confirm the initial findings collected from ITDP's previous survey. **Participants were consulted on a set of preliminary recommendations to ensure they fitted the needs of all vulnerable groups**. FGD participants included women activists as well as representatives of visual and aural impairment and advocacy organisations. **Documentation of ITDP's planning process to develop input for inclusive mobility was presented to the Medan City Planning Agency**. The meeting was also attended by representatives from the Medan Transport Agency, Public Works Agency and Environment Agency. A discussion on draft outputs was also held during the meeting. Key inputs from the participants were processed as part of the activity's iterative planning process and incorporated into the final output.

A field survey was conducted at all of TransJakarta's 13 bus rapid transit (BRT) corridors to update its BRT service and infrastructure performance score based on the BRT Standard scoring system. The updated scores, which indicate the current state and quality of TransJakarta's service at each BRT corridor, will be compared to previous scores and will be crucial to understanding current issues and challenges TransJakarta is facing and to developing an action plan for improvements.

ICLEI-Local Governments for Sustainability, 100% Renewable Cities and Regions Roadmap Project (100% RE)

Under the 100% Renewable Cities and Regions Roadmap Project (100% RE), ICLEI Indonesia organised a **Renewable Energy (RE) and Energy Efficiency (EE) Identification and Prioritization Workshop for Mataram City and Sumbawa district to explore untapped potential in the regions**. As financial support is essential for accelerating the clean energy transition, the workshop constituted a preliminary step in helping local governments in West Nusa Tenggara Province to develop bankable RE/EE projects. The event was attended by 25 relevant local stakeholders from regional development planning agencies and offices of energy and mineral resources, transportation, industry, environment and forestry, and agriculture and plantations, as well as Mataram University.

UNEP/CMS, Conservation of biodiversity, seagrass ecosystems and their services – Safeguarding food security and resilience in vulnerable coastal communities in a changing climate

A national-level working group has been established at the Ministry of Marine Affairs and Fisheries to develop guidelines on how to design and implement seagrass ecosystem services assessments. Recommendations have been provided for better management practices (i.e. temporary closure, no-take zones and streamlining to village governance) of seagrass ecosystem services by village communities in the nearshore waters of seven locally managed marine areas (LMMAs). These policies are expected to be formalized in 2022.

Conservation International, Mitigation and Adaptation through Conservation and Sustainable Livelihoods in Indonesia's Peat and Mangrove Ecosystems (PME)

A **webinar-workshop on Coastal Area Rehabilitation for Low Carbon Development** held on 31 March involved more than 300 participants, including high-level resource persons from Bappenas, KLHK, Kemenko Marves, Indonesian Mangrove Society (IMS), Wetlands Foundation/*Yayasan Lahan Basah* (YLBA), Nusantara Nature Conservation Foundation/*Yayasan Konservasi Alam Nusantara* (YKAN), North Sumatera University (USU) and Bogor Agricultural University (IPB). The event was part of a process to develop a white paper on national mangrove strategy, nested approaches and integrating PMEs into Indonesia's NDC.

The IKI-PME Project supported the **legalisation process for the West Papua Forest Management Plan**. The plan has been approved by the Ministry of Home Affairs and returned to the West Papua Provincial Government for signing.

The IKI-PME Project also worked together with the Peat and Mangrove Ecosystem Protection and Management Team (PME-PMT) on developing a **Peatland Management Plan for North Sumatra**. A kick-off meeting with the North Sumatra Regional Development Planning Agency was conducted on 18 April 2022.

World Agroforestry (ICRAF) Indonesia, Peat IMPACTS Indonesia

Peat IMPACTS has disseminated a **village-level sustainable peat roadmap (*Pegari*) resulting from studies and engagement at the village level in South Sumatra province**. The roadmap will help district and village governments with village development planning.

Peat IMPACTS has also initiated the development of a **peat dataset in Kubu Raya district** by providing peat data for use in the preparation of a peat ecosystem protection and management plan.

Village-level business models have been developed in collaboration with the Banyuasin team through capacity building and establishing demonstration plots for various rural community economic development activities.

The **local content development team has trialled local content on peat in a number of schools in Banyuasin and Ogan Komering Ilir districts** in collaboration with district education offices.

GIZ, Sustainable and Climate-Friendly Palm Oil Production and Procurement (SCPOPP)

The **East Kutai District Government** has achieved a remarkable milestone in its ambition to be a sustainable plantation region. After extensive consultations with stakeholders, **businesses with significant roles in the industry have signed a declaration to collaborate in achieving 12 result indicators in implementing the District Sustainable Plantation Plan 2021–2030**. One of these indicators is the protection of 48,900 ha of high conservation value (HCV) areas in the district's plantation zone. Signatories to the declaration include five oil palm plantation groups (Sinarmas, Dharma Satya Nusantara, Gunta Samba, Teladan and Triputra) and two banks (Bank Rakyat Indonesia and Bank Kaltimara). The signatory event was held during the annual Sustainable Plantation Workshop, organised in-person and virtually by the Provincial Estate Crops Office of East Kalimantan in the club house of a Sinarmas plantation in Wahau Subdistrict, East Kutai, on 18 May 2022, attended by the deputy district head. GIZ-SCPOPP supported the district government in the sustainable plantation planning process.

GIZ, Low-Emissions Oil Palm Development in Berau District, East Kalimantan (LEOPALD)

Following the designation of 83,000 ha of indicative high conservation value (HCV) areas by the **Berau District Head** in 2020, **GIZ-LEOPALD supported the district government in preparing an HCV area management and monitoring plan**. The district estate crops office disseminated the plan to local communities, concessions and other district agencies (development planning, land administration, business licensing) on 24 May 2022. On the same day, with support from the Provincial Estate Crops Office of East Kalimantan and Yayasan Konservasi Alam Nusantara, the district estate crops office verified 11,000 ha of additional HCV areas inside oil palm concessions in the district. These newly identified HCV areas could be added to the official map of indicative HCV areas in a district-wide plantation zone revision for an update of the original map laid out in a 2020 district head decree.

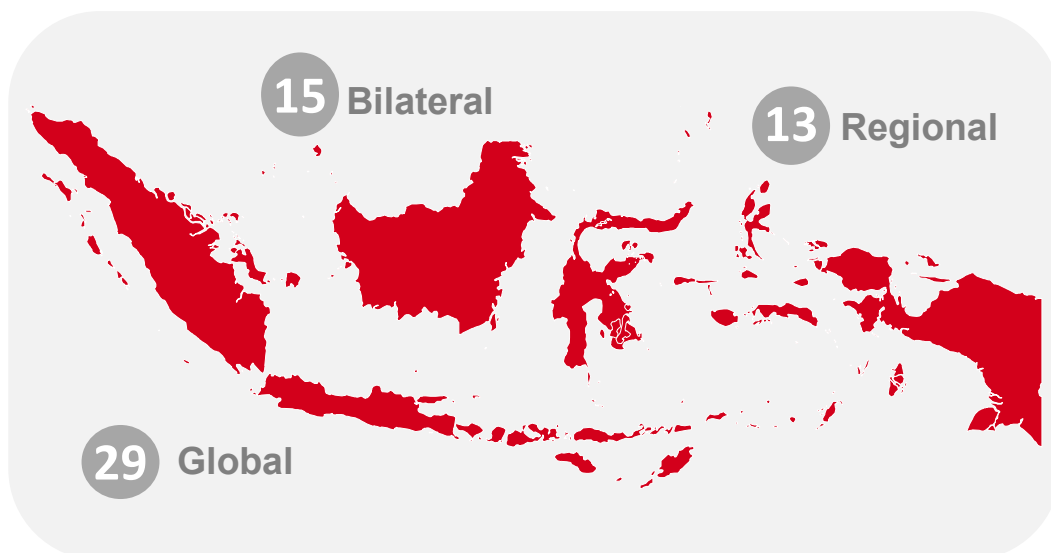
GIZ, Climate and Biodiversity Hub Indonesia

The **First Steering Committee and Technical Committee (SC/TC) Meeting of the Climate Impact Response and Biodiversity Management Planning in Indonesia (ClimB) component** was held on 3 June 2022. With opening remarks from the Government of Indonesia by Mr Medrilzam, Bappenas Director of Environment, representing the Deputy for Maritime Affairs and Natural Resources, and from the German government by Ms Warthane Puvanarajah, First Secretary of Climate and Environment from German Embassy, the meeting served to reach agreement on the project management structure and annual work plan for 2022. Four ministries/agencies involved in the meeting that form part of the project management structure, are the Ministry of National Development Planning (Bappenas), Ministry of Environment and Forestry (KLHK), Ministry of Marine Affairs and Fisheries (KKP) and the National Research and Innovation Agency (BRIN).

INTERNATIONAL CLIMATE INITIATIVE (IKI) IN INDONESIA

57 Projects under Implementation

27 Implementing Organisations



26 Political Partners

Coordinating Ministry of Economic Affairs	National Park Authority of Bukit Barisan Selatan (BBS)
Ministry of National Development Planning (Bappenas)	Provincial Government of Lampung
Ministry of Environment and Forestry (KLHK)	Provincial Climate Change Council (DDPI) of East Kalimantan
Ministry of Energy and Mineral Resources (ESDM)	Provincial Estate Crops Office of East Kalimantan
Ministry of Transportation	Provincial Forestry Service of Jambi
Ministry of Finance	Provincial Marine and Fishery Service of Aceh
Ministry of Industry	Provincial Marine and Fishery Service of North Sulawesi
Ministry of Marine Affairs and Fisheries	Provincial Marine and Fishery Service of West Nusa Tenggara
Ministry of Agriculture	District Government of Pesisir Barat
Executive Office of the President of the Republic of Indonesia	District Government of Lampung Barat
National Authority for Marine Conservation Areas (MMAF)	District Government of Kapuas Hulu
Peatland and Mangrove Restoration Agency (BRGM)	District Government of Berau
Association of Southeast Asian Nations (ASEAN)	Local Development Planning Agency (Bappeda) of Berau

Adelphi
Center for International Forestry Research (CIFOR)
Conservation International (CI)
Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Deutsches Institut für Wirtschaftsforschung e.V. (DIW)
Food and Agriculture Organization of the United Nations (FAO)
Humboldt-Viadrina Governance Platform GmbH
ICLEI - Local Governments for Sustainability
International Council on Clean Transportation (ICCT)
Institut du Développement Durable et des Relations Internationales (IDDRI)
Institute for Transportation & Development Policy (ITDP)
International Institute for Applied Systems Analysis (IIASA)
Kreditbank für Wiederaufbau (KfW)
The Organisation for Economic Co-operation and Development (OECD)
Perspectives Climate Group GmbH
Rare
Renewables Academy AG (RENAC)
Secretary of Convention on Migratory Species Office (CMS)
su-re.co (Sustainability & Resilience)
The Nature Conservancy (TNC)
United Nations Development Programme (UNDP)
United Nations Environment Programme (UN Environment)
Wetlands International (WI)
World Agroforestry Centre (ICRAF)
World Bank Group
World Resources Institute (WRI)
World Wide Fund for Nature (WWF)

CLIMATE SITUATION IN INDONESIA

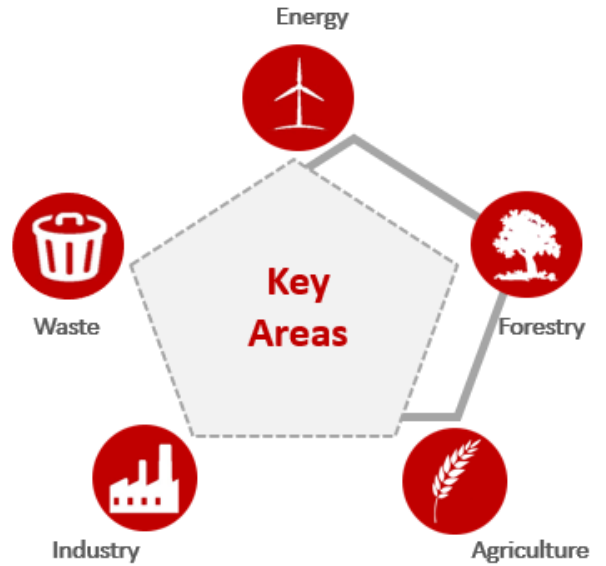
ADAPTATION

Climate Change Impacts



MITIGATION

Greenhouse Gas (GHG) Emissions



FORESTRY / REDD+

3rd Country in the world with the largest extent of rainforest

Nearly **11%** of Indonesia's total land area is covered by peatlands

40% of Indonesia's total carbon emissions are the result of peatland conversion

World Bank estimates that peat fires in 2015 resulted in economic losses of around **\$16 billion**

Deforestation and land-use change have driven around **80%** of Indonesia's greenhouse gas emissions

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BIODIVERSITY

1st on the world's 17 Megadiverse Countries list

2nd on the world's 25 biodiversity hotspots list

18 on the WWF 'Global 200' ecoregions list

24 on BirdLife International's Endemic Bird Areas list

566 national parks covering 36,069,368.04 hectares: 490 terrestrial protected areas and 76 marine protected areas

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Updates from ongoing IKI projects in Indonesia





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West Java province sets five priority sectors in Regional Low Carbon Development Plan

By GIZ, Climate and Biodiversity Hub Indonesia (ClimB Component)

The International Climate Initiative (IKI) interface project Climate and Biodiversity Hub Indonesia's Climate Impact Response and Biodiversity Management Planning in Indonesia (ClimB) component supported Bappenas' Directorate of Environment, the Low Carbon Development Indonesia (LCDI) Secretariat and the Provincial Development Planning Agency (Bappeda) of West Java in holding a workshop on Monitoring, Evaluation and Reporting for Low Carbon Development Action in Bandung, West Java on 20–21 April 2022. The aim of the workshop was to secure input on the policy scenarios laid out in the West Java Province Regional Low Carbon Development Plan (RPRKD). The workshop was followed up with a focus group discussion (FGD) on 22 April 2022 to discuss and agree on policy scenarios in the RPRKD.

According to calculations, West Java's annual greenhouse gas (GHG) emissions will reach 134,212,470 tCO₂e by 2030. The energy sector will contribute 40% of these emissions, followed by the transportation sector at 31%. A root cause of these high emissions is overpopulation. In 2021, West Java's population of 49.9 million made it Indonesia's most populous province, and the conversion of forests, plantations and agricultural land for residential areas poses challenges for its environmental carrying capacity.

As an LCDI pilot province, West Java signed a memorandum of understanding on low carbon development with Bappenas on 2 April 2019. To implement the MoU, West Java needs support with RPRKD preparation and capacity building for its regional office to monitor, evaluate and report on LCDI actions through the Indonesia Low Carbon Development Action Planning and Monitoring Application (AKSARA) to record contributions towards achieving the province's emission reduction targets.



Opening session of the workshop in West Java

During his opening address, the Head of Bappeda West Java, Sumasna stressed the importance of monitoring LCDI targets and achievements effectively, saying LCDI activities involving communities should be supported through inclusion in the province's Regional Medium-Term Development Plan (RPJMD). He added that a green economy paradigm needs to be developed in communities, and for successful implementation of LCDI in West Java, sectors should support each other and play a role in monitoring, evaluation and reporting.

During the workshop, participants gained knowledge on LCDI and learned how to report their LCDI activities in the AKSARA system, with 111 district/city administration activities recorded; mostly from the transportation and waste management sectors. In addition, several LCDI activities implemented by four private companies and three non-governmental organisations were also identified.

During the subsequent FGD on the RPRKD, LCDI baselines were agreed for fair and ambitious scenarios for all sectors. As a follow up, the RPRKD document needs to be finalised in time to become a point of reference for preparing the province's next medium-term development plan.

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First ClimB SC/TC meeting discusses project management structure and annual work plan

By GIZ, Climate and Biodiversity Hub Indonesia (ClimB Component)

On 3 June 2022, GIZ and the Ministry of National Development Planning (Bappenas) held the First Steering Committee and Technical Committee (SC/TC) Meeting of Climate Impact Response and Biodiversity Management Planning in Indonesia (ClimB), a component under the IKI interface project Climate and Biodiversity Hub Indonesia. The four ministries/agencies in attendance were Bappenas, the Ministry of Environment and Forestry (KLHK), Ministry of Marine Affairs and Fisheries (KKP) and the National Research and Innovation Agency (BRIN). While the climate component will fall mainly under Bappenas, the biodiversity component will also involve KLHK with responsibility over terrestrial biodiversity, KKP over marine biodiversity, and BRIN, which will act as the national scientific authority for biodiversity.



Remarks from the German Embassy's First Secretary of Climate and Environment during the first ClimB SC/TC meeting

This first meeting of the ClimB SC/TC was opened by Bappenas Director of Environment, Medrilzam representing the Deputy for Maritime Affairs and Natural Resources. The meeting finalised the roles and structures of the Steering Committee/SC and Technical Committee/TC under the project management structure. The role of the former will be to provide overall strategic and policy guidance for the project, while the latter will provide advice on project annual work plans, and review, monitor and evaluate project activity implementation. The Steering Committee will have five members,

chaired by the Bappenas Deputy of Maritime Affairs and Natural Resources, with members comprising an IKI representative from the German Embassy in Jakarta; the Climate and Biodiversity Hub Principal Adviser from GIZ; the Director General of Natural Resources and Ecosystem Conservation under KLHK; and the Head of Life Science and Environment under BRIN. The Technical Committee will comprise nine members, chaired by the Bappenas Director of Environment, with members consisting of the GIZ ClimB Team Leader; Bappenas Director of System and Procedure for Development Monitoring, Evaluation and Control; Bappenas Director of Forestry and Water Resources Conservation; Bappenas Director of Maritime and Fisheries; Bappenas Director for Bilateral Foreign Funding; KLHK Director of Species and Genetic Biodiversity Conservation; and the Head of the Ecology and Ethnobiology Research Centre under BRIN. Input during discussions included adding representatives from the Ministry of Marine Affairs and Fisheries to the SC and TC, with the Director General of Marine Spatial Management being included in the SC, and the Director of Coastal and Small Islands Utilisation being included in the TC.

This was followed by remarks from Ms Warthane Puvanarajah, First Secretary of Climate and Environment from the German Embassy, who appreciated Bappenas, KLHK, KKP and BRIN's involvement in the event. Dr Gerd Fleischer, Principal Adviser of Climate and Biodiversity Hub, followed by explaining the rationale of the project with its focus on three main topics: Climate Policy; Biodiversity; and IKI Hub. The meeting continued with a detailed explanation of the ClimB work plan for 2022 delivered by Yuliana C. Wulan, Team Leader of the ClimB component. The three main outputs presented were: (1) climate policy, with the aim of integrating climate policy and green recovery measures into RPJMN/RPJPN plans; (2) biodiversity, with the aim of improving implementation of key biodiversity policies; and (3) IKI Hub, with the aim of network strengthening to share experiences and knowledge on climate and biodiversity.

The Annual Work Plan 2022 discussion concluded after receiving input from participants, and the agreed upon activities will be implemented



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accordingly. Project activities will be implemented in close cooperation with KLHK and will involve relevant ministries/agencies. The next SC/TC meeting will be held early next year, but additional TC meetings could be held at the request of the TC.



Group photo of participants in the first ClimB SC/TC meeting

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Multi-Use Packaging System (MUPS) awareness raising commences in Jakarta

By GIZ, The Collaborative Actions for Single Use Plastic Prevention in Southeast Asia (CAP SEA)

The Covid-19 pandemic caused a 62% increase in marketplace transactions and a 47% increase in food deliveries (LIPI 2020), leading to a significant increase in plastic waste from food deliveries and takeaways. A pilot project in Jakarta has shown MUPS can help reduce single use plastic (SUP) packaging from the food delivery sector.

Like many other municipal governments in Indonesia, the DKI Jakarta Government issued its own plastic bag-free Jakarta policy through Gubernatorial Regulation No. 142/2019 in the aim of tackling the challenge of plastic pollution. The policy was followed among other things by the launch of the *Jakarta Sadar Sampah* waste awareness programme to create an ecosystem where citizens are encouraged to reuse.

To support this transition, a pilot project under CAP SEA – a module of GIZ’s global project to support BMUV’s Export Initiative for Green Technologies to reduce single use plastic waste in

Thailand, Malaysia and Indonesia – implemented in Indonesia by GIZ in partnership with the Indonesia Plastic Bag ‘Diet’ Movement (GIDKP) and ALLAS by Enviu, is testing the viability of MUPS for food deliveries in Jakarta. The ultimate goals are to establish a user-friendly and affordable multi-use food and beverage container system tested in Jakarta and municipal policy recommendations that contribute to favourable market conditions for multi-use food and beverage container systems.

The first collaborative campaign kicked off via Instagram Live on 28 April 2022 to provide information to the public about reuse models that can be applied in everyday life. The kick-off event also sought to rally support from Indonesian netizens for moving towards MUPS. A recording of the event is available [here](#).



The first collaborative campaign via Instagram Live

To reflect on implementation, the CAP SEA Indonesia team together with GIDKP and ALLAS by Enviu organised a peer-to-peer discussion to share lessons learned on 11 May 2022. The discussion began with an introduction to the MUPS business model run by ALLAS, and was followed by a presentation from Loka Padang restaurant, which explained why it had decided to switch from SUP packaging to MUPS and relayed the positive response it has received from its customers. The discussion closed with an explanation to the audience about



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hygiene and sanitation in reusing food and beverage containers.



The discussion at Humble House, South Jakarta attended by the DKI Jakarta Environment Agency, the Jakarta Gubernatorial Team for Development Acceleration (TGUPP), Wahana Lingkungan Hidup Indonesia (WALHI), Greeneration Foundation, Green Welfare and members of the trader community

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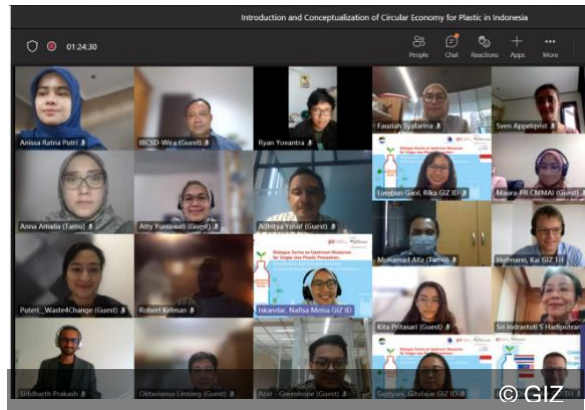
Enhancing capacity of Indonesian stakeholders through a webinar series on Upstream Measures for Single-Use Plastic Prevention

By GIZ, The Collaborative Actions for Single Use Plastic Prevention in Southeast Asia (CAP SEA)

The Collaborative Actions for Single Use Plastic Prevention in Southeast Asia (CAP SEA) Indonesia component supported by the Coordinating Ministry of Maritime Affairs and Investment (Kemenko Marves) and the Indonesia National Plastic Action Partnership (NPAP) Secretariat launched a webinar series entitled Upstream Measures for Single Use Plastic (SUP) Prevention to enhance stakeholders' capacity in tackling marine plastic debris more effectively through prevention and preparation for reuse. Scheduled from 18 May until December 2022, the webinar series consists of five separate sessions with goals to improve stakeholders' capacities to collaborate and contribute to the 70% marine plastic debris reduction target by 2025 under Presidential Regulation 83/2018.

The first event, entitled Introduction and Contextualization of Circular Economy for Plastic in Indonesia, was conducted virtually and involved more than 40 participants from government agencies, research institutions, the private and education sectors, and members of the public. Stakeholders included Indonesia NPAP Chairwoman, Tuti Hadiputranto who acknowledged CAP SEA's active role in the NPAP Policy Task Force. She warmly welcomed the participants and encouraged them to participate in upcoming events to gain a comprehensive knowledge of upstream measures for SUP prevention.

Anna Amalia, a representative from Bappenas Directorate of Environment, highlighted that only 12% of Indonesia's 5.4 million tons of plastic waste in 2019 was recycled, and without a systemic transformation from business-as-usual practices, plastic waste could increase by up to 40% by 2030. In this regard, the forum noted that a willingness from stakeholders to transform from a linear to a circular model is urgently needed to reduce marine plastic debris in Indonesia.



Participants were not only from Indonesia, but also from Australia, Denmark, Ethiopia, Japan, the Netherlands and Singapore, among others

The forum revealed that two provinces and 74 districts/municipalities have applied bans on SUP bags, underlying strong commitments to SUP prevention by sub-national governments. Moreover, citing a 28.5% reduction in plastic waste from 2018 to 2021, the forum was hopeful that a plastic-free future is possible for Indonesia. Further information about the event is available [here](#).



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Virtual discussion with PT PLN's Manager of Climate Change

By DIW and the Bandung Institute of Technology Climate Change Centre (CCC-ITB), Strengthening National Climate Policy Implementation: Comparative Empirical Learning & Creating Linkages to Climate Finance (SNAPFI)

On 31 March 2022, CCC-ITB held a virtual discussion with state-owned electricity company PT PLN's Manager of Climate Change Adaptation on the theme To what extent can the Synergy of Climate Change Adaptation and Mitigation be Applied to the Indonesian Energy Sector, Especially in Electricity at PLN? The discussion was aimed at unearthing information for our national study on adaptation.



Screen capture of the discussion with PT PLN on 31 March 2022

The discussion revealed that PT PLN's business plans have begun to consider climate change actions, but these still tend towards mitigation rather than adaptation. Recently, PT PLN has realised that adaptation should also have a significant role. As climate change has impacted on the company's daily operations, including power generation, electricity distribution and network transmission, it needs to consider synergising adaptation with GHG reduction efforts. PT PLN requires awareness of this issue at all levels, but a challenge is that energy sector adaptation efforts are still not fully understood.

PPATK committed to preventing carbon tax-related money laundering

By WWF-Indonesia, Green Finance Asia

Indonesia's Financial Transactions Reports and Analysis Centre (PPATK) and anti-money laundering and terrorism funding prevention (APU-PPT) stakeholders are committed to preventing and eradicating carbon tax-related money laundering. This commitment aims to support government efforts to reduce carbon emissions and meet net-zero emissions by 2030 while optimising state revenues from taxation. To this end, PPATK organised its third legal forum, entitled Realising a Green Economy with Integrity Through Disruption Efforts of Money Laundering on Carbon Taxation, with 3,535 participants joining via PPATK Indonesia's YouTube channel.

The forum began with opening remarks from Minister of Finance, Sri Mulyani Indrawati who highlighted the necessity to consider possible risks in drafting carbon tax regulations, especially leakage and illegal carbon trading. This was followed by a keynote speech from PPATK Chair, Ivan Yustianandana who emphasised that as the focal point for money laundering prevention and eradication, PPATK encourages mitigating the risk of state revenue leakage from carbon taxation, and maintaining the effectiveness of emissions reduction efforts through carbon taxation.

Notable professionals invited as speakers came from the Ministry of Environment and Forestry (KLHK), Ministry of Finance, PT PLN (Persero), the Financial Services Authority (OJK) and PPATK. The forum was moderated by WWF-Indonesia representative, Rizkiasari Yudawinata.

Director General of Climate Change Control at KLHK, Laksmi Dewanthi elaborated on the urgency of government agencies and the business sector implementing a carbon tax with integrity in realising a green economy. Director



Climate Policy

General of Taxes at the Ministry of Finance, Suryo Utomo explained the carbon tax's potential for money laundering.

The Deputy of Prevention at PPATK, Fithriadi Muslim, highlighted APU-PPT optimisation in realising a green economy with integrity through disruption efforts. OJK representative, Dewi Fadjar Sari elaborated on collaboration between supervisory and regulatory agencies in the financial services sector in supporting disruption efforts and mitigating carbon tax money laundering risks. Finally, President Commissioner of PT PLN, Amien Sunaryadi explained the private sector's readiness to implement carbon taxes with integrity and control potential criminal risks associated with the carbon tax.



Speakers and moderator during the PPATK 3rd Legal Forum

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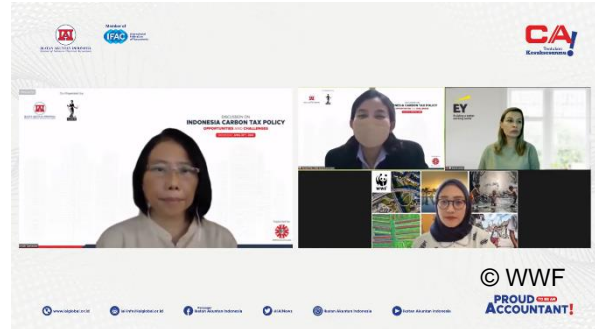
- <http://ikbi.org/>
- <https://www.wwf.id/program/finansial>
- <https://sustainablefinanceasia.org/indonesia/>

Opportunities and challenges for Indonesia's carbon tax policy

By WWF-Indonesia, Green Finance Asia

As the issue of carbon emissions is among the most critical challenges facing the world today, significant action is necessary to ensure systematic change. Therefore, the Institute of Indonesia Chartered Accountants (IAI) and The Institute of Chartered Accountants in England and Wales (ICAEW), supported by the ASEAN Federation of Accountants (AFA), organised a joint webinar entitled Indonesia Carbon Tax

Policy: Opportunities and Challenges on 20 April 2022. The webinar aimed to dive deeper into carbon tax policy opportunities and challenges in Indonesia, one of the largest economies in Southeast Asia. More than 500 participants joined the webinar via IAI's YouTube channel.



Speakers and moderator during the webinar Indonesia Carbon Tax Policy: Opportunities and Challenges

ICAEW Regional Director for China and Southeast Asia, Eline Hong gave an opening address to kick off the event and highlighted the need for organisations to understand the importance of implementing holistic sustainability initiatives. Such initiatives need to be driven at the most senior levels to ensure continuity in sustainability efforts. IAI Executive Director, Elly Zarni Husin followed the opening address by stressing that as climate change is an urgent, global and systemic issue that can threaten the sustainability of organisations' markets and economies, consistent and well-considered regulations and robust climate risk assessment-responsive business practices are needed to advance climate action and adaptation.

Kansia Klaczynska, Head of Energy and Sustainability at EY Law Poland/USA said the European Union has several EU Emissions Trading System (ETS) complementary policies, such as those on the EU Energy Taxation Directive and carbon tax. The carbon tax policy aims to increase the minimum tax rate, remove tax exemptions, and reduce fossil fuel use.

WWF-Indonesia representative, Rizkiasari Yudawinata said a key challenge is setting accurate tax levels that can fully reflect the external costs associated with emissions. The carbon tax puts businesses at a cost disadvantage relative to peers that are not subject to the tax.



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Head of State Revenue Policy at the Ministry of Finance Fiscal Policy Agency, Pande Putu O.K. stated that carbon pricing is a Government of Indonesia effort to achieve emissions reductions. The policy also aims to accelerate opportunities for securing state revenues and overcoming financing gaps.

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The Central Bank of Indonesia's Executive Leadership Program

By WWF-Indonesia, Green Finance Asia

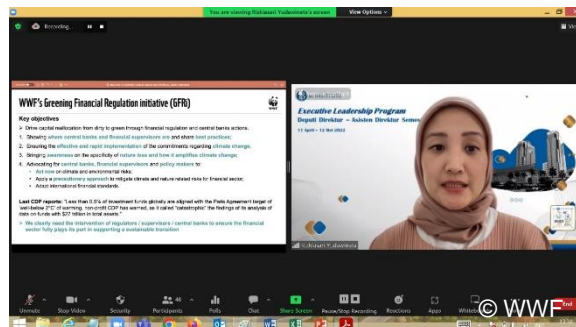
Sustainable finance initiatives are growing globally, while central banks and financial supervisors are increasingly recognising the materiality of climate, environment and social risks to financial system stability.

In April 2021, WWF released the Sustainable Financial Regulations and Central Bank Activities ('SUSREG') framework assessment to provide an independent evaluation of how central banks, banking regulators and supervisors integrate environmental and social (E&S) considerations into their activities. This report is WWF's baseline assessment of current practices and covers 38 jurisdictions accounting for more than 90% of global GDP, 80% of total GHG emissions and 11 of the 17 most biodiversity-rich countries. It delves deeper into measures taken to date, identifying areas where more resolute and ambitious action is needed, and highlights good practices to help speed up progress.

The framework offers detailed practical guidance on integrating environmental and social considerations into financial supervisory mandates and monetary policy.

As the Central Bank of Indonesia is eager to delve into the understanding of these issues in order to advance its strategic plans in greening finance, it organised the 2022 Semester I Executive

Leadership Program (ELP) on 10 May 2022. This online leadership training attended by 48 participants aimed to provide employees with sufficient knowledge and capacity to help strengthen current the policy framework and its implementation, as well as building Central Bank staff leadership in harnessing the current transition towards a low carbon economy.



The speaker during the 2022 Semester I Executive Leadership Program (ELP)

WWF-Indonesia Sustainable Finance Program Lead, Rizkiasari Yudawinata explained the current central bank activity baseline for sustainability inclusion and identified key areas for improvement that might help the bank in formulating the necessary policies and initiatives to help build financial system resilience to climate and environment risks.

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Climate risks and their impacts on financial stability

By WWF-Indonesia, Green Finance Asia

Climate change is recognised as a source of financial risks. In recent years, central banks and financial supervisors have recommended investors and financial institutions assess their exposure to climate-related financial risks and establish climate-related risk management. Investors also consider environmental, social and governance (ESG) factors in their investment



Climate Policy

decisions and distribute funds to 'green' companies. As a result, banks tend to improve climate risk management while aligning their business strategies with the global sustainability agenda.

In support of Green Taxonomy implementation and the G20 Presidency commitment to developing a green economy, the Bank Compliance Directors Communication Forum (FKDKP) organised a webinar via Zoom entitled Sustainability: Climate-Related Risks and Financial Stability and Their Relationship to Green Taxonomy Indonesia on 12 May 2022.

stability. Meanwhile, FSO Partner and Ernst & Young ASEAN Business Consulting Lead, Wolfram Hedrich elaborated on best practices for implementing climate-related risk management and risk quantification in the banking sector. Finally, representatives of Bank Rakyat Indonesia and CIMB Niaga, Achmad Solichin and Fransiska Oei respectively, shared the results of climate-related risk management and risk quantification implementation and their impacts on business strategies and financial stability.

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Speakers during the Sustainability: Climate-Related Risks and Financial stability and Their Relationship to Green Taxonomy Indonesia webinar

Attended by 331 participants, the online webinar began with opening remarks from FKDKP Chair, Fransiska Oei and a keynote speech from OJK Board of Commissioners Chair, Wimboh Santoso. These were followed by notable speakers from WWF-Indonesia, Ernst & Young, Bank Rakyat Indonesia and CIMB Niaga.



OJK Board of Commissioners Chair, Wimboh Santoso during his keynote speech

WWF-Indonesia Sustainable Finance Program Lead, Rizkiasari Yudawinata highlighted climate-related risks and their correlation to financial



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TRANSfer project closing: Learning from 10 years of cooperation on transport and climate change in Asia

By GIZ, TRANSfer III – Facilitating the Development of Ambitious Transport Mitigation Actions

TRANSfer was a global project implemented by GIZ and funded by the International Climate Initiative (IKI) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety and Consumer Protection (BMUV). The TRANSfer project's objective was to increase the efforts of developing countries and emerging economies for climate-friendly transport. The project acted as a mitigation action preparation facility and thus, specifically supported the implementation of nationally determined contributions (NDCs) under the Paris Agreement. The project supported countries including Peru, Colombia, the Philippines, Thailand and Indonesia in developing greenhouse gas mitigation measures in transport.

As the project reached the end of its lifetime in 2022, TRANSfer in Asia (Indonesia, Thailand and the Philippines) held a joint closing event on 11 May 2022. The event was conducted during sessions of Transport and Climate Change Week 2022; GIZ's annual flagship global event on the transport decarbonisation agenda (9–13 May 2022), which was livestreamed worldwide via a virtual platform.

The session was entitled Learning from 10 Years of Cooperation on Transport and Climate Change in Asia where the three partner countries shared lessons learned and good practices, while bridging TRANSfer project successes to upcoming transportation projects.

The session commenced with a welcoming address from BMUV representative Dr Ingrid Hanhoff. This was followed by a panel discussion dedicated to government partners from Indonesia, Thailand and the Philippines who exchanged experiences, and discussed impacts, future development and cooperation in the transport sector.

Panelists were Republic of Indonesia Ministry of Transportation Director of Road Transport,

Suharto; Thailand Office of Transport Policy representative, Suramong Meantmitr; Philippines Department of Transportation representative, Dr Ma. Sheilah Gaabucayan-Napalang; and GIZ Transport and Climate Change Programme Director, Daniel Bongardt.



Panelists during the TRANSfer closing event on 11 May 2022

The panel discussion was followed by interactive games before closing with a testimonial video on TRANSfer's experiences, impacts and legacy entitled Looking Back and to the Future prepared by the TRANSfer in Asia team. A full recording of the TRANSfer closing event is available on the GIZ Changing Transport YouTube Channel and can be viewed [here](#).

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DKI Transportation Agency calls for regional regulation on electronic road pricing

By ITDP, Reducing Emissions through Integration and Optimization of Public Transport in Indonesia

DKI Jakarta Transportation Agency Head, Syafrin Liputo has said the capital's electronic road pricing (ERP) tender process is still waiting for a draft regional regulation to be passed.

According to Syafrin, technical documents are being prepared so the tender process can be implemented immediately as soon as the draft (*Raperda*) is passed and becomes a regional regulation (*Perda*).



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'ERP can be sustainable, so the first thing that we must be prepared for is the regulation,' said Syafrin at the DKI Jakarta DPRD building, Thursday (20/1).

The Provincial Government of DKI Jakarta plans to implement a paid road system, or electronic road pricing (ERP) for application to 18 roads in the capital by 2039.

DKI Jakarta Transportation Agency Electronic Paid Road System Management Unit Head, Zulkifli said that to implement the plan, the DKI Jakarta Transportation Agency has proposed 18 road corridors totalling 174.04 kilometres in the *Raperda* on the Jakarta Transportation Masterplan (RITJ).



Jalan Sudirman is one of the capital's major arteries DKI Jakarta Transportation Agency is prioritising for ERP implementation

Meanwhile, the transportation agency has proposed tariffs ranging from IDR 5,000–19,900 per pass.

The ERP tender and road section construction are expected to commence in 2022, while paid road operations should start in 2023.

According to Zulkifli, ERP implementation is aimed at increasing public interest in switching from private vehicles to public transport. The decreasing use of private vehicles is expected to improve air quality in Jakarta as pollution is reduced. Further information is available [here](#).

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Governor Anies Baswedan reveals full sidewalk concept for Jakarta

By ITDP, Reducing Emissions through Integration and Optimization of Public Transport in Indonesia

DKI Jakarta Governor, Anies Baswedan has talked about how the concept of sidewalk construction in Jakarta aligns with its complete street concept.

Sidewalks under the complete street concept have multiple guiding principles, such as being pedestrian friendly, consistent with road width adjustment, providing bicycle lanes, and comfortable crossings. 'We're redesigning all the crossings at intersections to be safer and more comfortable. We're also adding bus stops, wayfinding and signage,' Anies claimed.

In addition, Anies revealed that in Jakarta's complete street concept, the arrangement of cables accompanies the arrangement of sidewalks.

'Last but not least, cables are Jakartans' only view when they look upwards as they take a walk along the sidewalk. Therefore, one of the aspects of sidewalk arrangements is to bring down the cable systems. Whether it's an electric power line, fibreoptic cable, telephone cable, whatever it is will be brought down to Integrated Utility Network Infrastructure (SJUT) under the road or sidewalk,' Anies specified.



Complete streets in main corridors accommodate pedestrians and cyclists

Anies asserted that numbers of sidewalk users had been increasing in Indonesia and saw this as proof of the success of implementing the complete street concept.



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‘What more is to come after the construction of these complete streets? The number of sidewalk users has been increasing very significantly. After all, people would want to gain a new, unique experience because they presumed that a desired sustainable city will finally emerge in Jakarta,’ he concluded. Further information is available [here](#).

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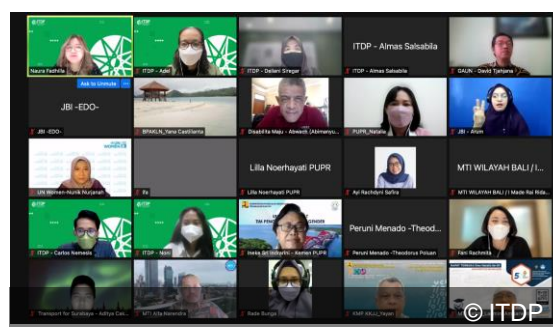
Multi-stakeholder dialogue draft revision of Circular Letter No. 2/ 2018 on Technical Guidelines for Pedestrian Facilities

By ITDP, Reducing Emissions through Integration and Optimization of Public Transport in Indonesia

Since July 2021, ITDP has been working with the Ministry of Public Works, the National Public Accessibility Movement (GAUN), and UN Women to revise technical guidelines for pedestrian facilities, as the current version does not ensure universal access for all users, specifically vulnerable groups such as women, children, the elderly and people with disabilities. In revising these guidelines, the revision team set weekly meetings to go through the original document sentence-by-sentence. This tedious process of revision was to ensure the fulfilment of security, safety, comfort and inclusivity aspects throughout the document; the use of references based on rigorous research; the use of easy-to-read wording with correct grammar; and the use of illustrations to help visualise the provision of pedestrian facilities while also showcasing the variety of users of such facilities.

A multi-stakeholder dialogue (MSD) was conducted to raise awareness regarding the revision of the pedestrian facility technical guidelines and to ensure an inclusive planning process in the creation of the final revised document. The MSD aimed to gather as many

suggestions, recommendations and concerns as possible so that various perspectives are considered in the creation of the final document. To guarantee this, the MSD involved government institutions as well as a variety of participants from organisations and institutions that strive for accessibility for pedestrians, transportation, people with disabilities, women and children. Furthermore, as the final document will be a national technical guideline, participants came from various cities and provinces in Indonesia, such as Jakarta, Bandung, Ambon, Jogjakarta, Papua, East Kalimantan, Bali and Manado, to name a few.



Participants during the multi-stakeholder dialogue

The MSD agenda began with an explanation by Natalia Tanan from the Ministry of Public Works on the background to the revision, its urgency, and the methodology used to revise the original document. After that, Carlos Nemesis from ITDP presented the main points of revision in the document to all the participants. These changes included additions of new and updated normative references; changes in principles regarding the planning and installation of guiding blocks, ramps and crossings; utility minimum widths of sidewalks to accommodate wheelchair users; the placement of bus stops on sidewalks; and mitigations of pedestrian space in construction areas and/or during repair work.

After participants had been given an overview of changes to the guidelines, they were then divided into five breakout rooms to have detailed discussions of the draft document and to deliver their inputs and suggestions. Each breakout room was filled with organisations or institutions of similar characteristics and led by a facilitator and co-facilitator. Breakout rooms 1 and 5 included organisations that advocated for the rights of people with disabilities;



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breakout room 2 was filled with organisations that have an interest in mobility development and pedestrian rights; breakout room 3 included women and children advocacy groups; while breakout room 4 was filled with government institutions. Consequently, each breakout room had a different conversation focused on the respective interests of its participants. Throughout these discussions, all inputs from participants were noted and put together on a Google Jam board so neighbouring groups could see each other's discussions, and spark new discussions in each respective group.

The draft revision of Circular Letter No. 2/2018 on Technical Guidelines for Pedestrian Facilities can be accessed [here](#). Any suggestions on this draft revision should be submitted [here](#).

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European Investment Bank (EIB) pre-assessment mission and mayoral commitment to low carbon transport in Makassar

By GIZ, Financing Energy for Low-carbon Investment - Cities Advisory Facility (FELICITY)

Following the Government of Indonesia (GoI)'s national medium-term development plan (RPJMN), the Ministry of National Development Planning (Bappenas) and Ministry of Transportation with support from two GIZ implemented projects, FELICITY and SUTRI NAMA & INDOBUS, are developing a BRT system in Metropolitan Makassar. Through FELICITY, which is a joint initiative between EIB and GIZ funded by Germany's International Climate Initiative (IKI), the EIB and GIZ team organised a pre-assessment mission to Makassar, South Sulawesi on 18–19 May 2022.

During the mission, the GIZ and EIB team had meetings with the Mayor of Makassar City, Ir. H. Mohammad Ramdhan Pomanto and the Governor of South Sulawesi's 2nd Assistant for

Economic Development, Dr H. M. Ichsan Mustari, M.H.M and their teams to discuss follow-up activities in the development of Metropolitan Makassar's BRT system. They also relayed EIB's readiness to finance the project through green financing, which is applicable to low-emissions bus systems.



Meeting with the Mayor of Makassar and his team at his residence in Makassar, South Sulawesi

During the discussions, both the Mayor of Makassar and the 2nd Assistant to the Governor appreciated the EIB and GIZ team's initiative to continue cooperation with Makassar City and South Sulawesi province, which has been ongoing since 2020. In addition, the Mayor of Makassar confirmed that as the city and surrounding districts are in urgent need of a mass transportation system and developing such a system aligns with Makassar's vision to become a smart and resilient city, he supports and is fully committed to doing so. Further, Pomanto also plans to form a Makassar City Government task force to accelerate and oversee the follow up on BRT project and feasibility study (FS) results, especially in strengthening communication with the central and South Sulawesi provincial governments.

As of now, the Metropolitan Makassar BRT Project has been included in the EIB Blue Book for 2020–2024, but to become eligible for foreign loan financing it needs to be registered in the Green Book 2023. For this reason, during the mission EIB aimed to obtain information on the Makassar City and South Sulawesi provincial governments' readiness to implement the BRT Project as the next step following the completion of the jointly prepared FS document in December 2021.

Information on the courtesy meeting with the Mayor of Makassar is available of the Makassar



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City Government's official website, and can be seen [here](#).

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Improving human resources quality for better sustainable transport

By GIZ, Sustainable Urban Transport Programme Indonesia (SUTRI NAMA) and Indonesian Bus Rapid Transit Corridor Development Project (INDOBUS)

With the easing of the Coronavirus pandemic, the Ministry of Transportation (Kemenhub) recommenced sustainable transport development activities in Indonesia at the beginning of the year. Supported by SUTRI NAMA & INDOBUS, one such activity was a capacity development programme held in Jakarta from 1–30 March 2022.



Participants at the Training of Trainers workshop

In addition to Kemenhub, 20 participants from the Human Resources Development Centre for Transportation Apparatuses (PPSDMAP), the College of Land Transport (STTD), the Polytechnic of Land Transport (Poltrada) Bali and the Polytechnic of Road Transport Safety (PKTJ) Tegal also participated in Training-of-Trainers (ToT) under the capacity development programme. The ToT aimed to provide targeted and scalable training on topics related to public transport and transport demand management and address relevant institutions' needs to assist transformation to sustainable urban transportation in the country successfully.

Transport experts from SUTRI NAMA & INDOBUS, the DKI Jakarta Public Works Agency, DKI Jakarta Transportation Agency, PT

TransJakarta and PT JakLingko led the active discussion and workshop sessions on urban transport planning, public transport integration and procurement.

In addition, participants joined field trip sessions to the National Public Procurement Agency (LKKP), DKI Jakarta Government Procurement Service Agency (BPPBJ) and PT TransJakarta. In LKKP and BPPBJ, participants inquired about the proper and fair BRT facility procurement flow.



Participants at Halte Harmoni, one of the busiest BRT bus stations in Jakarta

During the visit to PT TransJakarta headquarters, participants inspected the BRT control room, where the biggest BRT system in Indonesia is managed. In addition, participants were able to see the affordability, simplicity and actual performance of TransJakarta's system and its integration with other modes of transport. As a result, participants understood the urgency to shift from private to public transport, which can be the key to reducing GHG emissions and air pollution.

The ToT concluded on 1 April with a closing ceremony with post-tests and certificate sharing for participants. 'Hopefully this activity can improve participants' understanding of the importance of integrating the public transport system so that the system is more sustainable,' said M. Murdianto, Chairman of PPSDMAP in his remarks during the closing ceremony.

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Sustainable Transport

Synergising to accelerate sustainable transport development in Indonesia

By GIZ, Sustainable Urban Transport Programme Indonesia (SUTRI NAMA) and Indonesian Bus Rapid Transit Corridor Development Project (INDOBUS)

This year's work plan for the Ministry of Transportation (Kemenhub)'s development of sustainable urban transport in Indonesia through SUTRI NAMA & INDOBUS was presented during the 4th Steering Committee Meeting of SUTRI NAMA & INDOBUS in Jakarta on 9 March 2022. The work plan includes the continuation of bus rapid transit (BRT) development in Bandung, Semarang, Makassar, Pekanbaru and Batam; capacity development activities; and support for buy-the-service (BTS) programmes.

In his opening speech, Director General of Land Transportation, Budi Setiyadi, attending virtually said that synergy for building sustainable transport in Indonesian cities needs to be accelerated again, especially now with the easing of Coronavirus pandemic restrictions. 'Dependence on private vehicles is a challenge to building sustainable transport. I'm grateful and will continue to appreciate SUTRI NAMA & INDOBUS for continuing to help the Government of Indonesia realise BRT systems in Bandung, Semarang, Makassar, Batam and Pekanbaru,' he said.



Kemenhub, SECO and GIZ representatives during the handover ceremony to Batam and Makassar

This was followed by a handover ceremony where GIZ and the Swiss Government through the State Secretariat for Economic Affairs (SECO) handed feasibility studies (FS) for BRT development in Batam and Makassar to Kemenhub.

The event continued with topics presented by SUTRI NAMA & INDOBUS, including the results of BRT feasibility studies in Batam and Makassar; activities related to capacity development; greenhouse gas emissions reduction studies; an implementation strategy for Bandung BRT; and funding mechanisms for BRT projects in Makassar and Semarang. In addition, discussions were held between the Steering Committee, GIZ and SECO regarding support for the implementation of BRT systems in Indonesia, especially for projects in Pekanbaru and Batam.



SECO Economic Cooperation and Development Deputy Head, Andrea Zbinden during her speech

During the closing of the event, SECO Economic Cooperation and Development Deputy Head, Andrea Zbinden expressed her appreciation for the SUTRI NAMA & INDOBUS's collaboration with Kemenhub this past year. 'The spirit of building sustainable transport has bounced back this year. I hope that after Bandung, the cities of Pekanbaru and Batam can also start the implementation of the construction of their BRT system,' said Andrea.

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Appreciation at TCCW 2022 for Kemenhub achievements in building sustainable transport

By GIZ, Sustainable Urban Transport Programme Indonesia (SUTRI NAMA) and Indonesian Bus Rapid Transit Corridor Development Project (INDOBUS)

The collaboration to build a sustainable transport system in Indonesia by the Ministry of Transportation (Kemenhub) and SUTRI NAMA



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& INDOBUS was showcased at the 5th Transport and Climate Change Week (TCCW) this year.

The TCCW, a GIZ annual flagship event organised on behalf of BMUV, provides an opportunity for policy-makers and experts to build their capacity to transform the transport sector towards a net-zero mobility future. This year's TCCW, which was held in Hanoi on 9–13 May 2022, focused on the topics of e-mobility, active mobility, decarbonisation of transport in Asia, digitalisation and fiscal incentives.

Kemenhub was given the opportunity to conduct a virtual country presentation during the Transport Week's Asia Hub session which was live-streamed from a TV studio in Hanoi on 11 May 2022.



Kemenhub Director of Road Transport, Suharto ATD MM during the TCCW 2022 presentation

Kemenhub Director of Road Transport, Suharto ATD, MM gave a recorded presentation describing the success stories and ongoing sustainable transport development projects by Kemenhub with SUTRI NAMA & INDOBUS through bus rapid transit (BRT) system implementation in five pilot cities in Indonesia: Bandung, Semarang, Makassar, Pekanbaru and Batam. 'I hope Indonesia can consistently implement and support the achievement of the commitments that have been delivered as an effort to create a quality living environment and to achieve development targets, especially in the transport sector,' said Suharto.

Following the video presentations, Indonesia joined a live discussion themed Digitalisation for Transport: New Ways and Possibilities with representatives from China and Vietnam's ministries of transportation. Kemenhub Mass Transportation Division Head, Hadi Setyabudi Pramono explained Indonesia's experience with the provision of operational subsidies for

road-based urban bus systems in its cities and outlined the transition to a digital platform for services and monitoring. Hundreds of participants attending online and in-person greatly appreciated Kemenhub's video presentations and discussions.



Kemenhub Mass Transportation Division Head, Hadi Setyabudi Pramono during the TCCW 2022 presentation

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Safety and eco-driving training for BTS bus drivers in Makassar

By GIZ, Sustainable Urban Transport Programme Indonesia (SUTRI NAMA) and Indonesian Bus Rapid Transit Corridor Development Project (INDOBUS)

The development of sustainable transport, especially bus rapid transit (BRT) requires careful planning, from procurement and traffic regulation to human resources management. The Ministry of Transportation (Kemenhub) is collaborating with SUTRI NAMA & INDOBUS to smoothen out challenges in this development.

One of the focuses for sustainable transport is capacity development. To ensure safe and comfortable BRT operations, Kemenhub and SUTRI NAMA & INDOBUS is conducting training for drivers from operators contracted by Kemenhub under the Buy the Service (BTS) scheme. The training, which has already place in 2020 in Palembang, Denpasar and Yogyakarta, provides BTS bus drivers with safety and eco-driving knowledge. At the conclusion of training, participants undergo competency tests and receive certification.



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This year's training for BTS bus drivers was held in Makassar on 23–28 May 2022. The 95 participants were TransMamminasata BTS bus drivers who learned from transport experts from SUTRI NAMA & INDOBUS about safety and friendly driving etiquette and how to use bus engine systems more efficiently to make them more environmentally friendly.



BTS training participants during driving and parking training in Makassar

In addition to learning theories in class, participants also honed their knowledge of traffic signs and road terrain through a bus simulator. Training also involved driving a bus along the TransMamminasata corridor 1 route, followed by parking practice. Due to the large number of participants, training sessions were divided into four batches each day. Participants were highly enthusiastic during the training, as the free sessions are a prerequisite for certification to drive BTS buses.



Participants using a bus driving simulator during BTS training in Makassar

Kemenhub Mass Transportation Division Head, Hadi Setyabudi Pramono opened the training with a speech extending his appreciation to SUTRI NAMA & INDOBUS for collaborating with Kemenhub in holding this useful activity, and hoped BTS bus driver training can help increase the quality of sustainable transport in Indonesia. 'This training activity is a very good opportunity to increase the capacity of BTS bus

drivers. I advise TransMamminasata BTS drivers to absorb all knowledge from this activity and apply it in their daily work so that more people take the BRT because it feels safe and comfortable,' he said.

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Renewable Energy/Energy Efficiency

100% RE 2050 vision announced to the public

By ICLEI-Local Governments for Sustainability, 100% Renewable Cities and Regions Roadmap (100% RE)

Despite its abundant potential for renewables, West Nusa Tenggara (NTB) province is facing challenges in realising this potential with concrete low carbon projects due to financial and funding constraints.

Through the 100% RE project, ICLEI is helping governments in NTB explore local potential that can be actualised into bankable projects. As a preliminary step, a renewable energy/energy efficiency (RE/EE) Identification and Prioritization Workshop was held on 20 April 2022 with stakeholders from Mataram City and Sumbawa district invited as project partners. The event gathered relevant local stakeholders including representatives from energy and mineral resources offices (DESDM), regional development planning agencies (Bappeda), transportation offices, industry offices, environment and forestry offices (DLH) and agriculture and plantations offices, as well as from Mataram University. The activity aimed to help the local governments map their regions' underdeveloped resources.

In doing so, the following key elements were considered: existing policies at the national, provincial, and city/district levels; the viability of proposed project locations and allotment of space; and potential support from various parties.



Mataram City group discussion facilitated by Rosmaliati from Mataram University



Wahyu Indrajaya from Sumbawa District Bappeda conveying his views during a group discussion

Resource sustainability, technology availability, and practicality aspects were also taken into consideration.

In his opening address, NTB Provincial Energy and Mineral Resources Office Head, Ir. Zainal Abidin, M.Si claimed the 100% RE 2050 target could be achieved through attractive financing schemes, by saying, 'Depending solely on the current allocation funds at the provincial and city levels will not be sufficient to realise a fully renewable energy system. Though, support from third parties can provide hope for the region to develop RE and EE projects thereby increasing the clean energy share'.

Further, Dr Ir. Hj. Sitti Rohmi Djalilah, M.Pd., stated that electric vehicles (EVs) such as electric buses are in the region's interest and are seen as promising projects. Furthermore, she expected the implementation of energy efficiency in government buildings to be achieved with the help of external parties.

As a result of the workshop, several RE/EE projects in Mataram City and Sumbawa district have been identified. These highlight the use of solar PV technology, which aligns with the [initial status report](#) and [energy modelling](#).



Renewable Energy/Energy Efficiency

Other than ground-mounted, rooftop installed, and floated types, best practices PV-based technology is used practically in many areas such as public street lighting, agriculture, and EV charging stations. Other RE/EE projects discussed included biogas, waste to energy, micro hydropower plants, biomass plants and building retrofitting.

As an important note, the projects identified during the workshop will serve as a reference for developing bankable projects, which in the next stage will support the implementation of the 100% RE 2050 Roadmap.



Participants in the RE/EE Identification and Prioritization Workshop in Mataram, 20 April 2022

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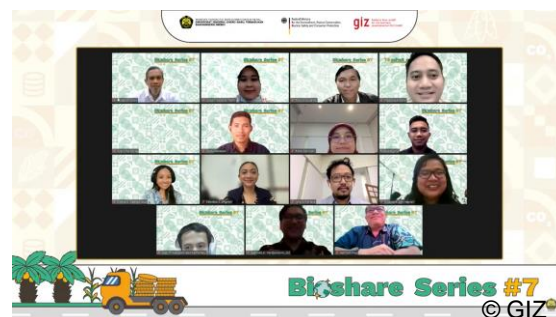
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Exploring potential benefits of a carbon mechanism for the bioenergy sector

By GIZ, Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE)

Following the well-received implementation of the Bioshare Series webinar in 2021, GIZ through the ExploRE Project and the Directorate General of New Renewable Energy and Energy Conservation (Ditjen EBTKE) of the Indonesian Ministry of Energy and Mineral Resources organised the Bioshare Series #7 on 24 May 2022. The event highlighted the topic of Carbon Mechanism in Bioenergy Sector: Implementation and Potential Benefits. This

seventh webinar was attended by more than 350 participants, including from government agencies, private companies and academic institutions as well as members of the general public. Resource persons from various backgrounds reviewed applicable regulations related to the Carbon Economic Value (NEK) mechanism, the preparation of the mandatory carbon market, and its implications for bioenergy sector actors. The carbon mechanism is still a relatively new conversation topic in the Indonesian energy sector. Only in 2021 did President Joko Widodo sign Presidential Decree No. 98/2021 on NEK, which is currently the main regulation for the implementation of carbon mechanisms such as carbon tax, cap and trade, offsets, and results-based payments. Director of Bioenergy, Edi Wibowo said implementation of the carbon mechanism in Indonesia will focus on coal-fired power plants during the early stage, but will also be developed in other sectors, including bioenergy. The carbon mechanism, said Edi, is also becoming an attractive incentive for actors in the bioenergy sector and can encourage wider utilisation of bioenergy.



Bioshare Series #7 webinar on Carbon Mechanism in Bioenergy Sector: Implementation and Potential Benefits, 24 May 2022

Several bioenergy industries in Indonesia have experience in the carbon market, one of which is state-owned plantations company PT Perkebunan Nusantara (PTPN) V. During the discussion session with panellists, PTPN V Director, Jatmiko Krisna Santosa revealed that involvement in the carbon market can be seen as costly. However, with its International Sustainability and Carbon Certification (ISCC), PTPN V has actually managed to secure economically attractive incentives through its involvement in the carbon market.



Renewable Energy/Energy Efficiency

Bioshare Series #7 highlighted that the application of carbon mechanisms in the bioenergy sector has potential benefits for industry players that will further contribute to achieving national emissions reduction targets.

A recording of the Bioshare Series #7 webinar is available on Ditjen EBTKE's YouTube Channel, and can be accessed [here](#).

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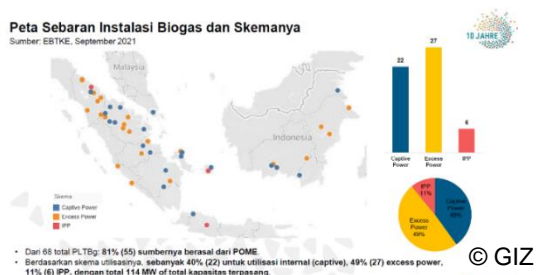
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Optimising palm oil waste utilisation to achieve national energy mix targets

By GIZ, Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE)

As the largest producer and exporter of palm oil, Indonesia has a massive area of oil palm plantations and many palm oil mills. In 2018, the country had at least 12.8 million hectares of palm oil plantations and more than 850 palm oil mills, mainly concentrated in the Sumatra and Kalimantan regions. In the energy sector, palm oil waste can be used as a carbon neutral energy source, including for biogas which can be produced through processing palm oil mill effluent (POME) using anaerobic digester (AD) technology.



Biogas distribution map and schemes presented in the meeting

A study on POME utilisation in Indonesia has been carried out in collaboration with the Directorate General of New, Renewable Energy and Energy Conservation (Ditjen EBTKE) with the German Ministry of Environment, Nature Conservation, Nuclear Security and Consumer Protection (BMUV) through the GIZ

implemented project, ExploRE. The study explained progress made in producing biogas from POME, which as of 2021 had reached 28.39 million m³. This figure represents only 5.9 per cent of the 489.8 million m³ biogas target for 2025 laid out in the General National Energy Plan (RUEN). To increase the use of palm oil products for renewable energy, Ditjen EBTKE and GIZ invited stakeholders to a monitoring and evaluation meeting on the implementation biogas utilisation from palm oil industry waste, which was held on Tuesday, 15 March 2022. Held in a hybrid format from Medan, North Sumatra, the meeting involved representatives from various institutions, including relevant ministries, PT PLN, palm oil mills and companies, bioenergy project developers, related associations and cooperatives, as well as provincial-level agencies from all over Indonesia.

The meeting aimed to disseminate information on RE development from palm oil waste as stated in the National Action Plan for Sustainable Oil Palm Plantations (RAN KSB); monitor progress, implementation status and challenges in utilising biogas from POME; monitor and verify climate change mitigation actions carried out by the palm oil industry; and open opportunities for dialogue and synergy between governments and the private sector. According to Director of Bioenergy, Edi Wibowo, 'The achievement of biogas power plants is still quite low, only at 120 MW. Through 2022 to 2024, we expect to develop 50 MW of biogas'. Edi not only expected biogas use in power plants to increase, but also expected biogas to be integrated with the gas network to meet household needs.

For monitoring purposes, a total of 157 oil palm plantations submitted their input through questionnaires distributed prior to the meeting. Sixty-seven of them already have biogas installations for electricity generation and non-electricity uses. Through the questionnaire, four main obstacles to the use of POME were identified: regulations, policies, internal factors and finances.

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Renewable Energy/Energy Efficiency

Training on financial modelling for RE projects

By GIZ, Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE)

Identifying key economic factors in assessing the feasibility of RE projects as well as stipulating supportive policies are among the most essential steps to accelerate the growth of RE development in Indonesia. However, finances have proved a major challenge to Indonesia achieving its energy mix target and further developing renewable energy. These financial aspects include the economic feasibility of RE projects, available RE financing options, and associated risks in RE projects. Understanding and analysing the determining factors is essential for evaluating the financial attractiveness of RE projects. It is necessary to understand what fiscal and non-fiscal support is available for RE projects as a strategic option to broaden access to RE financing. Doing so entails understanding the business schemes and roles of related institutions in obtaining both fiscal and non-fiscal support.



Training on financial modelling for renewable energy projects, April 2022

To support the government in addressing this challenge, through the ExploRE Project GIZ organised a 6-day training programme on financial modelling for renewable energy projects in March and April this year. Combining online and offline formats, the training was attended by a total of 27 participants from the Directorate General of New, Renewable Energy and Energy Conservation (Ditjen EBTKE) under the Ministry of Energy and Mineral Resources (ESDM) and stakeholders in various projects under the GIZ Energy Programme. The training served as a

follow up to similar training conducted early last year, and attended by representatives from ESDM's Directorate General of Electricity and PT PLN.

The training aimed to improve participants' knowledge and understanding of basic financial modelling concepts and their application to RE project business schemes. The training team from the Centre for Accountancy Development under University of Indonesia's Faculty of Economics and Business (PPA FEB UI) guided participants to improve their understanding of factors determining the economic feasibility of RE projects, to help policy-makers boost attractiveness for RE investment. Through coaching and practical application, training participants' analytical capacity was enhanced in using financial parameters, models and tools for assessing the economic feasibility of RE projects. The training also allowed participants to practice formulating, using and analysing financial models to assess RE project economic feasibility through group work on various case studies. Through the training, participants deepened their knowledge of the economic aspects of and financial models for RE projects. This increased knowledge is necessary to better equip policy-makers to evaluate the feasibility of RE projects and formulate a supportive regulatory framework which can create an enabling environment for RE development and unlock more investments for RE projects.

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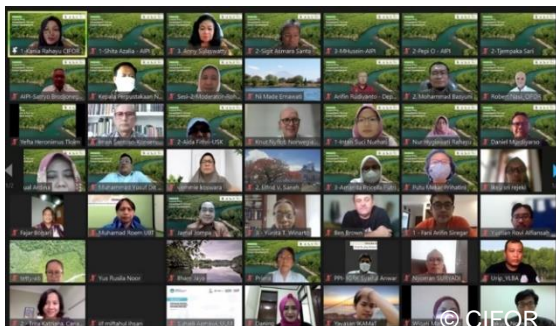
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Webinar: Coastal Zone Rehabilitation for Low Carbon Development

By CIFOR, Mitigation and Adaptation through Conservation and Sustainable Livelihoods in Indonesia's Peat and Mangrove Ecosystems

A webinar entitled Coastal Zone Rehabilitation for Low Carbon Development was held in collaboration with the Coordinating Ministry for Maritime Affairs and Investment, the Indonesian Academy of Sciences (APII) and the Center for International Forestry Research (CIFOR) on 31 March 2022. The webinar, aimed at helping to achieve low carbon development goals, was also supported by Yayasan Konservasi Cakrawala Indonesia (YKCI), the German Embassy representing the Federal Ministry for Environment, Nature Conservation and Nuclear Safety and Consumer Protection (BMUV) through the IKI-PME Project, as well as Ministry of National Development Planning (Bappenas).



Coastal Zone Rehabilitation for Low Carbon Development webinar

The webinar, which was attended by 306 participants via a Zoom Meeting room and YouTube livestream, involved key stakeholders from relevant ministries, academic institutions and non-governmental organisations, including Bappenas, the Coordinating Ministry of Maritime Affairs and Investment (Kemenko Marves), Ministry of Environment and Forestry (KLHK), Ministry of Maritime Affairs and Fisheries (KKP), Indonesian Academy of Young Scientists (ALMI), Wetlands International, Indonesia Mangrove Society, The Nature Conservancy (TNC), Bogor Agricultural University, North Sumatra University and Hasanuddin University. Keynote speakers during the event were Bappenas Deputy for

Maritime Affairs and Natural Resources, Dr Arifin Rudianto; Kemenko Marves Deputy for Environmental and Forestry Management Coordination, Dr Nani Hendriarti; and KLHK Director General of Climate Change Control, Ir. Laksmi Dhewanthi M.A. They outlined a long-term strategy for mangrove management and low carbon development, national policies, mangrove blue carbon rehabilitation, and the economic value of blue carbon for climate change mitigation and adaptation.

This webinar was aimed at obtaining the latest information and data; facilitating discussions on climate change in Indonesia, Indonesia's NDC 2030 target and rehabilitation of coastal areas, especially mangroves in Indonesia; and low carbon development (LCD) initiatives through interaction between parties. The event was divided into three topics, which were discussed in parallel sessions on: (i) the direction of national strategy for mangrove ecosystem management; (ii) mangrove rehabilitation for climate change mitigation at the sub-national level; and (iii) climate change adaptation in coastal areas and NDCs.

The webinar showed positive insights from its inter-sectoral discussions for enabling coastal area rehabilitation to take place properly and effectively. It ended with the expectation of government and non-governmental organisations working together to provide concrete ideas for coastal area rehabilitation to support sustainable peat and mangrove ecosystem (PME) management.

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SCT-WM meet to review national strategy on wetlands management

By the Strategic Coordination Team on Wetlands Management, Mitigation and Adaptation through Conservation and Sustainable Livelihoods in Indonesia's Peat and Mangrove Ecosystems

The IKI-PME Project continued its support for the Bappenas Strategic Coordination Team for

Wetlands Management (SCT–WM) in its development of a National Peat and Mangrove Ecosystems (PME) Roadmap. SCT-WM has decided to change the document’s name from a roadmap to a national strategy document. The team continues to develop a national strategy for wetlands management, which is reviewed by an internal team comprising Bappenas and strategic partners during regular weekly meetings.



SCT-WM coordination meeting to review national strategy on wetlands management

SCT-WM conducted several coordination meetings involving various stakeholders during 2021 in order to gather and synchronise information and data relating to wetlands management in Indonesia. In addition, the SCT-WM team conducted a meeting with the Peat and Mangrove Restoration Agency (BRGM) on 20 January 2022 to gain insight and discuss document development. On 24–25 March, the team held a coordination meeting with experts to gather additional input on the draft for revising it to become a comprehensive national strategy document. The coordination meeting was attended by Bappenas directorates of Environment; Forestry and Water Resources Conservation; and Maritime and Fisheries, as well as experts from strategic partners including Yayasan Konservasi Indonesia, CIFOR and Wetlands International. The final national strategy draft is expected to be completed by the end of May for a workshop with related ministries and agencies. After which the team will launch the final national strategy and promote it at the national and regional levels from the middle of June.

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Dissemination Workshop: Peat Mangrove Ecosystem Management in South Tapanuli, North Sumatra

By Yayasan Lahan Basah (YLBA), Mitigation and Adaptation through Conservation and Sustainable Livelihoods in Indonesia’s Peat and Mangrove Ecosystems

A workshop on sustainable peat management was held in the PTPN III Batang Toru meeting room in South Tapanuli district on 15 March 2022 at the end of the IKI-PME Project in North Sumatra. The workshop was conducted in collaboration with the South Tapanuli Environment Office, Yayasan Konservasi Indonesia (YKI) and Yayasan Lahan Basah (YLBA) as part of the IKI-PME Project in North Sumatra, which was implemented from 2019–2022 in Muara Manompas ward, South Tapanuli district, North Sumatra province.



Dissemination workshop on PME management in South Tapanuli

Sustainable peat restoration activities involving various parties, including the South Tapanuli District Government and local communities, have been carried out with the 3R principles of rewetting, revegetation and revitalisation. The rewetting approach has involved constructing canal blocks, drilling wells, installing a forest/land fire and flood early warning system (EWS), and observing wells to monitor peatland water levels. Local community collaborative revegetation activities involved paludiculture by planting native peatland species such as jelutong, rattan and sago. In order to support revitalisation, the IKI-PME Project developed economic enterprises and strengthened local community capacity. The local community agreed to carry out activities using Bio-Rights, which is a funding mechanism that provides

conditional financial support for communities as an incentive for their involvement in environmental protection and rehabilitation activities, and disaster risk reduction efforts.

Related local government agencies will follow up the 3-year project by providing technical assistance to the local community to preserve and manage Muara Manompas' peatlands sustainably.

The IKI-PME Project will continue supporting the South Tapanuli District Government in disseminating information and initiate further discussions to identify potential programmes for joint development to continue supporting the Muara Manompas community, and start replicating activities in other locations.

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SUPA/REPEAT Component 1 organises webinar on development of new ASEAN Peatland Management Strategy 2022–2030

By GIZ, Sustainable Use of Peatland and Haze Mitigation in ASEAN (SUPA/REPEAT)

SUPA/REPEAT Component 1 Work Area 1 supports state actors in ASEAN Member States (AMS) in their implementation of the ASEAN Programme on Sustainable Management of Peatland Ecosystems (APSMPE), ASEAN Peatland Management Strategy (APMS) and National Action Plans for Peatlands (NAPPs) at local, national and regional levels through capacity development and identification of ASEAN peatland areas.

The ASEAN Peatland Management Strategy (APMS) 2006–2020 was developed in 2005 and adopted by ASEAN in 2006. Based on the final review of the APMS completed in January 2021 and agreed by ASEAN Member States, a new APMS 2022–2030 is being developed with the support of SUPA/REPEAT Component 1.

As part of the formulation of APMS 2022–2030, a webinar on development of a new ASEAN Peatland Management Strategy 2022–2030

was conducted on 13 May 2022. The purpose of the webinar was to provide an opportunity for a wide range of stakeholders, including experts, national authorities and NGOs, to give their input and expert opinions for APMS 2022–2030.

'For ASEAN, peatland management is critical in addressing transboundary haze pollution. Today's webinar is extremely important to get your views, advice, and guidance for sustainable management of peatlands in our region, especially considering all the differences in management, priorities, needs, and condition of peatlands,' said ASEAN Secretariat Environment Division Head, Dr Vong Sok in his opening remarks.

Consultants from Asian Management Consulting (AMC) gave a presentation on the focal areas for the new APMS, which was followed by a questions and answers session. Participants were then divided into four breakout sessions on different topics, where they discussed and gave technical feedback through a Mural board.

Input from the webinar was wide ranging and provided invaluable insight for development of a new ASEAN Peatland Management Strategy for 2022–2030.



Webinar on development of a new ASEAN Peatland Management Strategy 2022–2030

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Two years of #PahlawanGambut: Exploring knowledge and encouraging shared learning in South Sumatra and West Kalimantan

By World Agroforestry (ICRAF) Indonesia, Peat-IMPACTS Indonesia

To gain knowledge, share information and encourage learning between regions in Indonesia that have peatlands, World Agroforestry (ICRAF) Indonesia through Peat-IMPACTS Indonesia held a national seminar bringing together policy-makers from the national level and provincial and district governments in South Sumatra and West Kalimantan.



The national seminar was attended by several key invitees

The national seminar, which was a reflection of Peat-IMPACTS' journey over the past two years, also involved speakers from the Ministry of Environment and Forestry (KLHK), Ministry of Agriculture (Kementan) and the Peat and Mangrove Restoration Agency (BRGM).

ICRAF Indonesia Director, Dr Sonya Dewi said she expected the seminar to provide an opportunity for participants from South Sumatra and West Kalimantan to get to know each other so the two regions can share experiences, knowledge and lessons learned. The seminar was important for ICRAF Indonesia, which has 80 researchers and an ambitious vision and mission to achieve healthy peatland ecosystems where farmers, communities and other stakeholders can secure maximum benefits and knowledge through the intercropping of trees with other commodities.

The ambition to work on peatlands presents its own challenges. Peatland biophysical, social, cultural and economic conditions need to be explored to create better impacts. By emphasising partnership and collaboration, the gathering of two provinces and three districts was expected to build an effective learning process as each has its own unique and valuable experiences. The hope was that through the seminar, regional participants could learn relevant lessons and synergise with national policies and programmes.

In his address, Deputy Governor of South Sumatra, H. Mawardi Yahya expressed his pride and honour with ICRAF choosing Palembang as the venue for the national seminar. He explained that the Provincial Government of South Sumatra has designed and implemented development programmes to address the challenge of improving community welfare in peat areas and maintaining peat sustainability. He welcomed the presence of Peat-IMPACTS and its partners as the province shares common goals for rural communities to benefit from increased earnings, and for sustainable peatlands.

Kubu Raya District Head, Muda Mahendrawan said the district government also appreciated Peat-IMPACTS choosing Kubu Raya for its research activities in West Kalimantan, and hoped the cooperation and concern of stakeholders outside the government would continue to build synergy to protect and manage peatland ecosystems and other natural resources to achieve comprehensive development goals in Kubu Raya district.

He explained that various peatland utilisation practices continue to be pursued in the district through community empowerment. He also said the establishment of a working group in Kubu Raya has been a good start in collaborating with development partners, to discuss and disseminate media for the adoption of best practices, and for conducting work mapping and creating innovative financing for regional development.

Also present were West Kalimantan Provincial Environment and Forestry Office Head, Ir. Adi Yani, and South Sumatra Province Bappeda



Forestry/REDD+

Infrastructure and Regional Development Head, Regina Ariyani, together with district government representatives from Ogan Komering Ilir and Banyuasin.

Ministerial-level speakers from KLHK's Directorate of Peat Degradation Control, Kementan's Centre for Land Resources and Agriculture, BRGM and the Centre for Standardisation of Disaster Resilience and Climate Change Instruments (Pustandpi) emphasised the importance of lesson learned locally being disseminated and upscaled to the national level, and collaboration initiatives being promoted intensively to support Indonesia's FoLU Net Sink 2030.

During the seminar, Peat-IMPACTS Indonesia outlined achievements made since 2020 at the national, provincial and district levels, as well as at the peat hydrological unit (KHG) and village levels in Ogan Komering Ilir and Banyuasin districts in South Sumatra, and Kubu Raya district in West Kalimantan. Further information on #PahlawanGambut is available [here](#).



A portrait of all participants attending the national seminar, bringing positive energy to build synergy for the protection and sustainable management of peatland ecosystems

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Biodiversity

Seagrass Ecosystem Service (SES) assessments, Bahoi, North Sulawesi

By UNEP/CMS and YAPEKA, Conservation of biodiversity, seagrass ecosystems and their services - Safeguarding food security and resilience in vulnerable coastal communities in a changing climate

A major output of the project is to [assess the seagrass ecosystem services](#) (SES) at specific sites in North Minahasa, North Sulawesi. To achieve this, YAPEKA is working with [Seagrass Watch](#) to analyse the ecology of local seagrass meadows using Baited Remote Underwater Video (BRUV) cameras.

YAPEKA has procured three Open Ocean Cameras (OOCam) which it will place at strategically chosen seagrass sites, each programmed to film at a range of specified times to capture footage of species abundance at various times of the day.

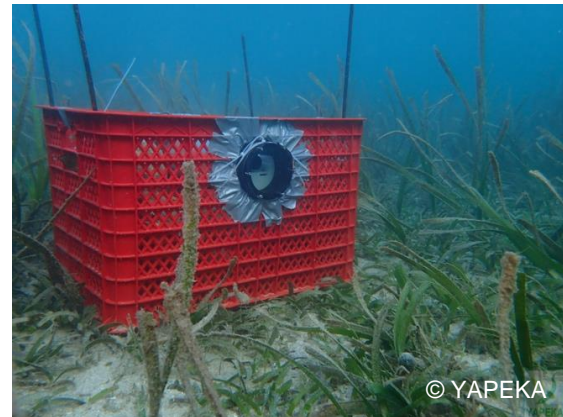


Installing BRUV cameras at a test site in Bahoi, North Minahasa

This exercise aims to understand the relative value of seagrass meadows in the area, in relation to fisheries, tourism, culture, livelihoods, water cleanliness and coastal protection. The BRUV footage provides comparative data on species and abundance in healthy and degraded seagrass sites. This information is used to influence policy change towards protecting seagrass meadows.

In 2021–2022, Project Seagrass provided remote training and capacity building sessions to YAPEKA on how to operate the OOCams. Following the set-up phase, YAPEKA set up a pilot test to trial the cameras in Bahoi village

(17–18 May 2022), which clarified the best camera frame is a plastic box secured to the seagrass bed using iron bars, with the camera secured inside with cable ties and duct tape.



Pilot testing OOCam frames in seagrass beds

Following this period of remote training, capacity building and testing, YAPEKA is ready to deploy the cameras and start data collection, with a view to finalising in July 2022.

This data is a crucial element of the Seagrass Ecosystems Project, which aims to improve conservation of seagrass meadows and the biodiversity they support in Indonesia, Thailand, Malaysia, the Philippines and Timor Leste by integrating SES into policy frameworks and business models.

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BioFrame Tengkwang Pilot Project: Restoring forest biodiversity and adding value to the tengkwang value chain in the Labian Watershed

By GIZ, Supporting the design and first implementation steps of the new global framework for biological diversity (BioFrame)

The global BioFrame project focuses on the protection, restoration and sustainable management of biodiversity, while creating or securing jobs and incomes for the local population and ensuring equal participation



Biodiversity

rights and benefits for women, indigenous people and other marginalised groups.

The fruits of the Borneo tallow nut or tengkawang tree, once common in the rainforests of Kalimantan, contain an oil that has been used by the indigenous Dayak people for centuries for cooking, cosmetics and traditional rituals. In recent years, local community incomes from selling tengkawang fruits have fallen, and tengkawang trees are increasingly being cut down for their timber. Tengkawang is now listed as threatened on the IUCN Red List.

The overall aim of the Tengkawang Pilot Project is to focus on the planting and protection of tengkawang trees in the Labian Leboyan Watershed in Kapuas Hulu district, West Kalimantan while creating additional income for local communities through value added to the tengkawang nut and oil value chain.

GIZ is collaborating with the local NGO Riak Bumi in the implementation of the pilot project. Activities in the target area began with several meetings between the target community and Riak Bumi. An agreement was reached with communities to develop small nurseries and produce tengkawang seedlings; and to plant the resulting seedlings in suitable areas identified and allocated by the four participating villages.

As a first step, villagers were trained by Riak Bumi in seedling production and planting, and small community nurseries were established for the production of tengkawang seedlings. The villagers then planted the seedlings in the field during April and May 2022. A total of some 10,500 seedlings have been planted so far, representing almost 70% of the target. The seedlings were planted in village forest areas in the Labian watershed, and on the private land of community members.

The experience generated will be documented in a manual on tengkawang tree planting and maintenance as the first of several planned knowledge products.

Once the planting of the tengkawang seedlings is complete, the project will support the target communities in pre-processing and processing tengkawang fruits to produce tengkawang oil

and butter. These activities will be combined with market studies, licensing and certification, matchmaking initiatives with companies demanding these products (predominantly from the cosmetics industry) and a community based tengkawang group.



Planting tengkawang seedlings in the field


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Knowledge Products


By UNEP/CMS and YAPEKA, Conservation of biodiversity, seagrass ecosystems and their services - Safeguarding food security and resilience in vulnerable coastal communities in a changing climate

<p>Dugong & Seagrass Hub</p>	<p>A community hub for practitioners, researchers and coastal communities working on the conservation of seagrass ecosystems and dugongs, the Dugong & Seagrass Hub is an online platform designed to share our collective tools, experiences and lessons learned whilst working to conserve seagrass ecosystems in dugong range states.</p> <p>https://www.dugongseagrass.org/</p>	
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By GIZ, Clean, Affordable and Secure Energy for Southeast Asia (CASE)

<p>CASE Insights: Germany's Coal Phase-Out and Australia's Practical Implementation to Support Energy Transition in Indonesia</p>	<p>When talking about energy transition, it is commonly understood that the processes are complex and specific to national circumstances. These circumstances provide different starting positions for a coal phase-down in each country, but there are also lessons learned that can be shared globally. With these considerations in mind, the Indonesian chapter of the Clean, Affordable, and Secure Energy for Southeast Asia (CASE) programme published a knowledge product synthesizing lessons learned from Germany and Australia on their coal phase-out strategies. Published in April 2022, this CASE Insight outlines further evidence of how Indonesia could follow these transformational steps to enable energy transition.</p> <p>https://caseforsea.org/post_knowledge/case-insights-coal-phase-out-germany-and-australias-practical-implementation-to-support-energy-transition-in-indonesia/</p>	
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By GIZ, Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE)

<p>Proceedings from Bioshare Series 2021</p>	<p>This publication is a compilation of six Bioshare Series webinars conducted in 2021, which highlighted various topics on bioenergy development in Indonesia. The events during the Bioshare Series and this publication were jointly organised and prepared by the Directorate of Bioenergy under the Directorate General of New Renewable Energy and Energy Conservation (Ditjen EBTKE) of the Ministry of Energy and Mineral Resources (ESDM) and GIZ ExploRE. The publication is available in Bahasa Indonesia.</p> <p>https://ebtke.esdm.go.id/flippdf/elibrary.html#pdfflip-PDF-22</p>	
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