

Partnership for a Green and Resilient Future in Indonesia and ASEAN

Annual Report 2024





Partnership for a Green and Resilient Future in Indonesia and ASEAN

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is Germany's central organisation for international development, and a global service provider in the field of international cooperation for sustainable development. We are dedicated to shaping a future worth living around the world. We have over 50 years of experience in a wide variety of areas, including economic development and employment promotion, energy and the environment, and peace and security. GIZ has been working in Indonesia since 1975 and in ASEAN since 2009.

Indonesia, as the third largest democracy and the fourth largest country in terms of population, has been a partner country of German Development Cooperation since 1958 and one of the Global Partners of the German Federal Ministry for Economic Cooperation and Development (BMZ).

Germany, as ASEAN's development partner, focuses its Development Cooperation with ASEAN on climate and environmental protection, sustainable economic development, institutional strengthening and economic coherence within ASEAN.

ASEAN's regional integration, socio-cultural aspects and centrality serve as interlinkage between ASEAN and Indonesia, and are crucial for Indonesia's development agenda, offering expanded markets and cooperative frameworks for economic, environmental and social progress. Our joint actions with ASEAN are an integral role in this context, providing technical expertise and facilitating sustainable development projects that align with both Indonesian and ASEAN goals.

In 2024, our work with the Indonesian Government and ASEAN covered the cooperation areas of ASEAN, Energy

Achievements at a Glance in 2024

€41.42 million Just Energy Transition Partnership (JETP) funds committed by Germany and implemented by GIZ

433,809 hectares of peatland protected and bolstered regional capacity of over 2,500 officials in ASEAN on implementing National Action Plans on Peatlands and the Circular Economy



Supported the establishment of Indonesia's Renewable Energy Skills Centre

25

knowledge products developed for Digital Transformation

163

digital ecosystem stakeholders and thought leaders engaged

Transition, Resilient Nature, and Urban Development, as well as the topics of Technical Vocational Education and Training (TVET) and Green Jobs, and Digital Transformation.

Indonesia, has a special role to play in implementing common interests, values and international goals – in particular the 2030 Agenda for Sustainable Development, the Paris Climate Agreement and also the Global Framework for Biodiversity – as well as in the protection of global public goods in general.

It is one of the countries with the highest greenhouse gas emissions, has large areas of diverse tropical rainforests (including peatlands and mangrove zones), and enormous greenhouse gas savings potential in the energy and land



"As GIZ embraces 50 years in Indonesia in 2025, we take this opportunity to look back on our vital work and achievements in 2024. Our activities and programmes together with partners from the Indonesian Government and the Association of Southeast Asian Nations (ASEAN) aim to support them in achieving their Sustainable Development Goals and Priorities, for a better life and shaping a future worth living in for the people of this nation, this region, and throughout the world."

Hans-Ludwig Bruns,
Country Director

use sectors. At the same time Indonesia, as an island state, is severely affected by climate change.

Due to its rapid economic development, the G20 and ASEAN member is now an emerging country with increasing regional and global importance, and the World Bank has classified it as an upper-middle-income country.

Energy Transition: Powering Toward a Golden Indonesia

Indonesia's energy system is undergoing a massive change to meet growing demand for power, moving from fossil fuel to renewable energy while keeping the power supply affordable.

The nation's commitment to the energy transition is part of its Golden Indonesia 2045 programme to become an advanced country. President Prabowo Subianto has laid out an ambitious vision for the nation's energy transition: net-zero emissions (NZE) by 2060, 75GW of new renewable energy capacity, and the phasing out of coal by 2040.

Under the umbrella of the Energy Programme, GIZ has been active in Indonesia and ASEAN for more than 25 years. We provide policy advice, develop energy skills and spearhead renewable energy solutions. Today, the Energy Transition cooperation area supports the Indonesian government across five strategic areas:

- **Power System Transformation:** Powering Indonesia's future by shifting from fossil fuel to renewable energy power systems
- **Island Energy Solutions:** Clean power for remote communities for energy equality
- **Industry Decarbonisation:** Driving Indonesia's green economy by integrating renewable energy and energy efficiency
- **Just Energy Transition:** Affordable and green energy for all, leaving no-one behind
- **Sustainable Energy Financing:** Attracting private investors through fiscal policy and financial instruments.

The success of Indonesia's energy transition is crucial for achieving national, regional and global climate and energy goals. GIZ looks forward to continuing its partnership with the Indonesian government, in close collaboration with the private sector, civil society and academia.



Achievements in 2024



452 employees (both public and private) completed energy transition skills training

13 sustainable energy regulations supported

11 sustainable energy regulations enacted

12 company pledges and cooperations for net-zero emissions (NZE) and/or sustainable energy agreed



GIZ and its partners leveraged €2,198,143.79 for supporting Indonesia's energy transition

Resilient Nature: Together We Shape a Future Worth Living

As one of the world's most biodiverse countries, Indonesia plays a pivotal role in preserving the ecological balance which supports human well-being beyond its borders.

Indonesia is also among the world's largest carbon emitters, as its economic growth remains heavily reliant on fossil fuels, exacerbating global greenhouse gas emissions. As a result, the country is already experiencing the negative impacts of climate change and unsustainable development, which include forest and biodiversity loss, habitat degradation, and increased vulnerability to natural disasters.

Striking a balance between economic development and the sustainable management of its natural resources is crucial – not only for Indonesia's future but also in the global fight against climate change.

Through the Resilient Nature cooperation area, GIZ acts as a strategic development partner to Indonesia and ASEAN, bringing in practicable and integrated solutions and building local capacity to enhance resilience to climate change, reduce environmental degradation and improve the livelihood of rural communities.

Together, we shape a future worth living in Indonesia and around the world.

The areas we focus on:

- **Biodiversity:** Mainstreaming biodiversity conservation into government strategies and plans and promoting sustainable practices, in collaboration with the private sector and local communities, and protecting ecosystems
- **Climate Change:** Supporting the planning and implementation of actions toward reducing emissions and adapting human activities to the effects of climate change
- **Agriculture:** Promoting sustainable agricultural practices which increase resilience and improve farmers' livelihoods



Achievements in 2024



7.78 million ha of conservation areas integrated into national planning



99,211 ha for sustainable forest management



21,000 farms and agri-businesses supported in 2024



22 government policies developed on climate and biodiversity.

- **Forestry:** Protecting forests through conservation measures and improved management, while strengthening forest and resource governance
- **Marine Ecosystems and Wetlands:** Strengthening the protection and sustainable management of marine ecosystems and coastal areas, while improving the resilience of communities.

ASEAN's Green and Resilient Future: Driving Sustainable Growth



As ASEAN rapidly becomes a global economic powerhouse and home to over 680 million people, it actively confronts the urgent realities of climate change.

Since 2009, GIZ has partnered with ASEAN to forge a green and resilient path, focusing on:

- **Circular Economy:** Maximising efficient use of resources and minimising waste
- **Climate, Resilient Nature, and Energy:** Championing ambitious climate policies and adaptation
- **Sustainable Economic Development:** Cultivating a skilled workforce, improving agricultural practices, and ensuring a secure digital economy
- **Regional Security:** Fostering peace, inclusivity, and effective disaster management.

We empower ASEAN to achieve sustainable, inclusive, and peaceful growth, ensuring its dynamic future remains both prosperous and responsible.

Achievements in 2024



24,542 participants in training/
capacity-building activities



Euros 30.3 million
business volume 2024 in
ASEAN



Euros 124.5 million managed by
GIZ from 2019-2024 (with some
projects continuing to 2029)



16 projects implemented
in ASEAN



Urban Development: Building Liveable Cities

Indonesia's rapid economic growth and urbanisation is projected to lead to an urban population of over 220 million, or 70% of the total population, by 2045. This presents great challenges for policymakers to provide accessible public services in cities while decarbonising urban infrastructure.

GIZ supports Indonesia in this endeavour, focusing on:

- **Mobility:** Developing sustainable and low-carbon transport solutions which increase the efficiency, effectiveness and equitability of urban mobility
- **Circular Economy:** Reducing and managing material and waste streams throughout the value chain, both in organisational terms and via infrastructure solutions.

Another, but less prominent, area of cooperation is Water and Wastewater Management, with the objective of providing access to drinking water and modern sanitation.

Achievements in 2024

> **70** knowledge products developed and disseminated, including studies, guidelines, factsheets, videos, and more.

15 non-government entities engaged, including business, professional and GEDSI associations; local NGOs, and universities

> **200** national and regional partners from various agencies trained in capacity development measures

10 multisectoral stakeholder dialogues conducted on circular economy and mobility topics



Green Jobs and Vocational Education and Training: Developing Skills for a Green Economy

As Indonesia moves toward a low-carbon, green economy where non-sustainable sectors are shrinking, its labour market welcomes nearly three million new job seekers every year. However, the Vocational Education and Training (VET) system – the backbone of workforce development – is struggling to keep up with the demand in the labour market, leaving a gap between the skills of the labour force and the needs of employers.

To bridge this gap, GIZ supports Indonesia's transition to a competitive, environmentally sustainable, and inclusive economy by focusing on how the shift to green growth can create decent job opportunities for all. New approaches and strategies for adequately skilling, upskilling and reskilling are needed, and our work aims to provide them.

In short, we support the government to help both young graduates and the existing workforce gain the necessary skills to work productively in the green economy.

Contributing to the priorities of Indonesian-German Development Cooperation, we provide green jobs and

Achievements in 2024



430 people who have completed vocational training – 7,404 beneficiaries since 2021*



61 TVET staff who have completed a qualification measure – 358 since 2021*



1,401 people advised on options for regular migration and risks of irregular migration



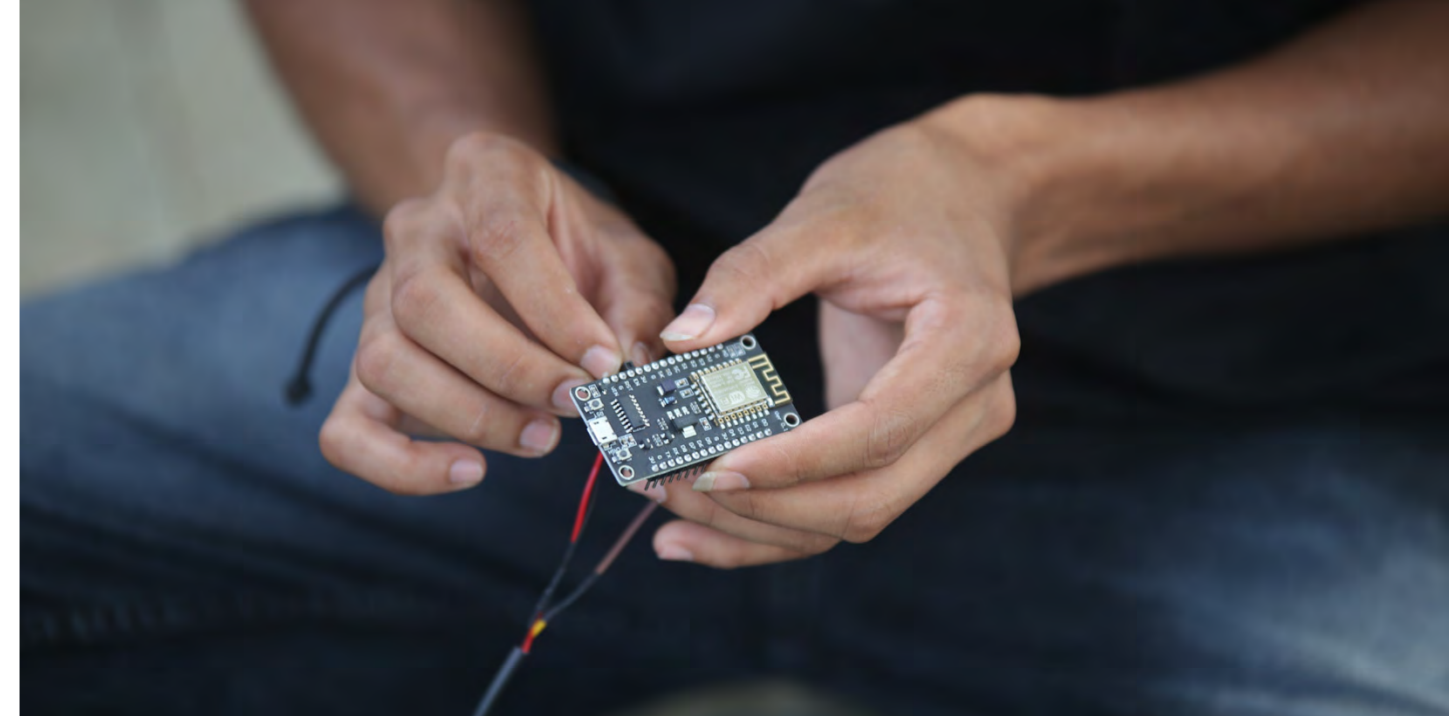
112 Indonesian nurses found employment in German health institutions



355 nurses completed a German language class

* direct and indirect

skills development expertise and international good practices in the fields of renewable energy and energy efficiency, forestry and sustainable land use, sustainable urban development, and the circular economy. This is complemented by advice on safe and regular migration, and by facilitating fair and sustainable labour migration for Indonesian skilled workers to Germany.



Digital Transformation: Greater Connectivity for a Better, Greener Future

Indonesia's digital transformation is accelerating, driven by the rapid adoption of digital services, a dynamic start-up ecosystem, and strong government initiatives. With its growing digital economy, Indonesia has the potential to bridge socio-economic gaps but also faces challenges related to inclusivity, environmental sustainability, and regulatory frameworks.

German Development Cooperation supports Indonesia in achieving a just digital transition by promoting policies and initiatives which ensure equitable access to technology and digital skills. Programmes focus on digital literacy, inclusion of marginalised communities, and fostering responsible AI and data governance.

A key aspect of this cooperation is digital green innovation, aligning digitalisation with climate goals. By supporting smart infrastructure, sustainable digital businesses, and responsible resource use, Germany and Indonesia work together to integrate sustainability into digital growth.

Through multi-stakeholder partnerships, knowledge exchange, and pilot projects, German support contributes

Achievements in 2024



Business volume: €1,000,000



Knowledge products developed: 10 videos, 5 press releases, 1 pager/factsheet, 1 digital hub study, 1 AI policy handbook, 2 start-up profiles, and 5 published articles



Direct engagement: 48 start-ups, 6 ecosystem builders, 1 mass media, 2 universities, 84 private sectors, 15 financiers or venture capitalists, 10 ecosystem builders



863 citizens (considered multipliers) informed on digital policy issues through events such as focus group discussions, workshops, capacity building and business matching. 39.5% are women



9 multi-stakeholder dialogues on digital policy issues and the local digital ecosystem throughout 2024

to Indonesia's vision of a fair, green, and inclusive digital economy, ensuring no one is left behind in the country's digital future.

GIZ Indonesia and ASEAN in 2024 | At a Glance

Where We Work



Our Commissioning Parties and Clients in 2024

All of our projects on bilateral, regional and global levels in 2024 were implemented on behalf of the German Government, with co-funding from the European Union, the Swiss Agency for Development and Cooperation and the Mitigation Action Facility.



GIZ Indonesia and ASEAN in 2024 (as of May 2024)

| | | |
|---|--------------------------------|--|
| 84 ongoing projects | €55 million business volume | 30 provinces we operate in Indonesia |
| 21 Indonesian partner ministries/national-level institutions worked with | 16 projects active in ASEAN | 464 employees in GIZ Indonesia and ASEAN (May 2024) |

GIZ Indonesia and ASEAN Annual Reports 2024

Read more about our work in 2024 in the following reports:

| | | | |
|--|---|--|---|
| | Introduction to GIZ Indonesia and ASEAN Annual Report | | Urban Development |
| | ASEAN | | Digital Transformation |
| | Energy Transition | | Green Jobs and Vocational Education and Training At a Glance 2024 |
| | Resilient Nature | | |

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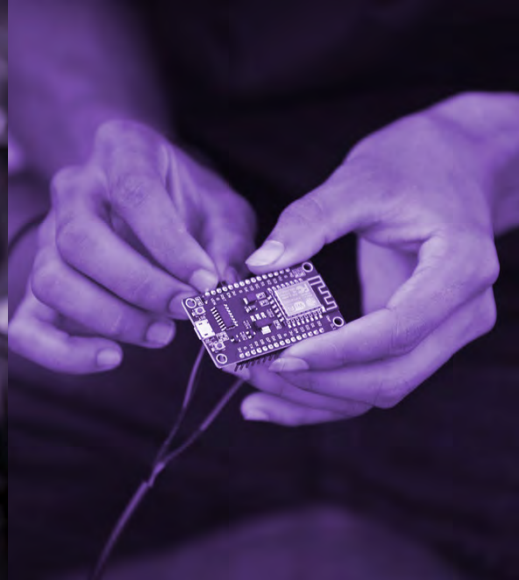
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