



ENVIRONMENT, CLIMATE CHANGE AND BIODIVERSITY

Support to Indian partners in achieving the Sustainable Development Goals



Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is a public-benefit federal enterprise owned by the German Government that provides services worldwide in the field of international cooperation for sustainable development. For over 60 years, GIZ has been working jointly with partners in India for sustainable development. The 11 ongoing projects within the area of Environment, Climate Change and Biodiversity are commissioned by the BMZ* and BMUB*.

Programs and projects

IGEP-RA: Indo-German Environment Programme in Rural Areas

- **CCA-RAI:** Climate Change Adaptation in Rural Areas of India
- **UPNRM:** Umbrella Programme for Natural Resource Management
- **CCA-NER:** Climate Change Adaptation in the North Eastern Region

CCKN-IA: Climate Change Knowledge Network in Indian Agriculture

RIICE: Remote Sensing-based Information and Insurance for Crops in Emerging Economies (SDC*)

MGNREGA-EB: Environmental Benefits through the Mahatma Gandhi National Rural Employment Guarantee Act

GIAE: Green Innovation Centers for the Agriculture and Food Sector

ProSoil: Soil Protection and Rehabilitation for Food Security

NAMA: Development and Management of NAMAs in India

GCM: Global Carbon Market

I-CCC: Supporting the Institutionalisation of Capacities on Climate Change Studies and Actions

CSUB: Conservation and Sustainable Use of Biodiversity

- **ABS:** Access and Benefit Sharing Partnership
- **HP-FES:** Forest Ecosystem Services in Himachal Pradesh
- **TEEB & IBBI:** The Economics of Ecosystems and Biodiversity and India Business Biodiversity initiative

CMPA: Conservation and Sustainable Management of Coastal and Marine Protected Areas

*BMZ - German Federal Ministry for Economic Cooperation and Development

*BMUB - Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

*SDC - Swiss Agency for Development and Cooperation

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Responsible
Ms. Sabine Preuss & Dr. Konrad Uebelhör

For further information:
GIZ Office New Delhi
A2/18 Safdarjung Enclave,
110029 New Delhi

F: 11-4949-5353
I: www.giz.de
E: sabine.preuss@giz.de
konrad.uebelhoer@giz.de

"We welcome the prominence given to environmental goals, especially climate change and sustainable consumption."

Narendra Modi - Prime Minister of India, statement at the UN Summit

India and Germany are global partners with the common mission in achieving the 17 Sustainable Development Goals (SDGs) which guides the international cooperation agenda of both countries.

The objective of the Agenda 2030 is to balance the three interdependent dimensions of sustainable

development: environment, society and economy. Arranging the SDGs to the three dimensions accordingly shows that the environmental dimension is determining human prosperity by its planetary boundaries and therefore a crucial factor for the world's successful transition towards a sustainable future.

Support to Indian partners in achieving the Sustainable Development Goals

Eleven ongoing projects working in the fields of Environment, Climate Change and Biodiversity support India's commitment in achieving 13 SDGs and 46 targets among all three dimensions of sustainable development!



1 NO POVERTY

(contributing to 4 out of 7 targets)

CCA-NER: Promoting resource-efficient, climate-resilient and ecologically sound agriculture in the North-Eastern region to increase household income (1.2)

UPNRM: Improving livelihood of the rural poor through loans (1.4)

CCKN-IA: Providing adaptation advisories towards climate resilient agriculture and sustainable livelihoods (1.5)

MGNREGA-EB: Improving planning processes of natural resources towards poverty alleviation. (1.4, 1.5, 1.b)

RIICE: Enhancing Risk Management in agriculture through digital tools (1.5)

ABS: Supporting communities to participate in negotiations about ABS agreements promotes access and control over land and natural resources (1.4)

HP-FES: Providing best practices on forest ecosystem services contributes to social-economic development of local livelihoods (1.4)

8 DECENT WORK AND ECONOMIC GROWTH

(contributing to 4 out of 12 targets)

RIICE: Providing RIICE insurance solutions to rice producers (8.10)

GIAE: Increasing employment in value chains (8.2, 8.5)

IBBI & TEEB: Mainstreaming biodiversity and ecosystem services into the private sector (8.4)

17 PARTNERSHIPS FOR THE GOALS

(contributing to 6 out of 19 targets)

GIAE: Global exchange of knowledge and expertise on innovations in agriculture value chains (17.6, 17.8, 17.9)

IGEP-RA: Enabling public and private actors implement policies and programmes for climate resilient, resource-saving and pro-poor rural development (17.6, 17.16, 17.17)

CCKN-IA: Knowledge exchange and convergence across agencies and institutions to support adaptation strategies in agriculture (17.8, 17.16)

GCM: Supporting Indian partners towards international recognition as actors in the carbon market (17.6, 17.9, 17.17)

ProSoil: Improving Knowledge Management on soil protection and rehabilitation among stakeholders (17.6, 17.9)

I-CCC: Developing modern internal knowledge management system and public knowledge platform for issues relevant in climate negotiations (17.6, 17.16)

CSUB: The programme addresses all three main goals of the multilateral treaty *Convention on Biological Diversity* (CBD) (17.7)

CMPA: Information and communication technology is used to build Interpretation Centres on marine biodiversity (17.8)

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

(contributing to 2 out of 8 targets)

GCM: Enhancing private sector participation in the development and implementation of carbon market and climate finance instruments (9.3, 9.4)

IBBI: The business led multi-stakeholder platform promotes private sector leadership in order to make businesses efficient and sustainable. (9.4)

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

(contributing to 2 out of 11 targets)

MGNREGA-EB: Improving planning and use of natural resources (12.2, 12.8)

11 SUSTAINABLE CITIES AND COMMUNITIES

(contributing to 1 out of 11 targets)

NAMA: Working towards enhanced usage of alternative waste management solutions to decrease environmental and climate impacts (11.6)

2 ZERO HUNGER

(contributing to 4 out of 8 targets)

ProSoil: Increasing yields through soil protection and rehabilitation measures. (2.4)

GIAE: Increasing income and employment through innovations in the agriculture and food sector. (2.3, 2.4)

CCKN-IA: Providing adaptation advisories towards climate resilient agriculture and sustainable livelihoods (2.4)

RIICE: Enhancing risk management for food security and insurance solution towards improving climate resilience of smallholders (2.3, 2.4, 2.a)

UPNRM: Promoting climate smart and resilient livelihoods for vulnerable and poor through loans (2.3, 2.4)

ABS: Enabling the national, state and community level to monitor the utilisation of ABS gene banks and traditional knowledge inventories. (2.5)

4 QUALITY EDUCATION

(contributing to 3 out of 10 targets)

CMPA: Human Capacity Development for training of trainers and media students for sustainable management of Marine Protected Areas (4.7, 4.c)

CCKN-IA: Providing updated knowledge to farmers towards resilient agriculture (4.4)

6 CLEAN WATER AND SANITATION

(contributing to 3 out of 8 targets)

MGNREGA-EB: Introducing integrated NRM planning approaches for watershed development and maintenance (6.5, 6.6, 6.b)

New way of viewing the SDGs

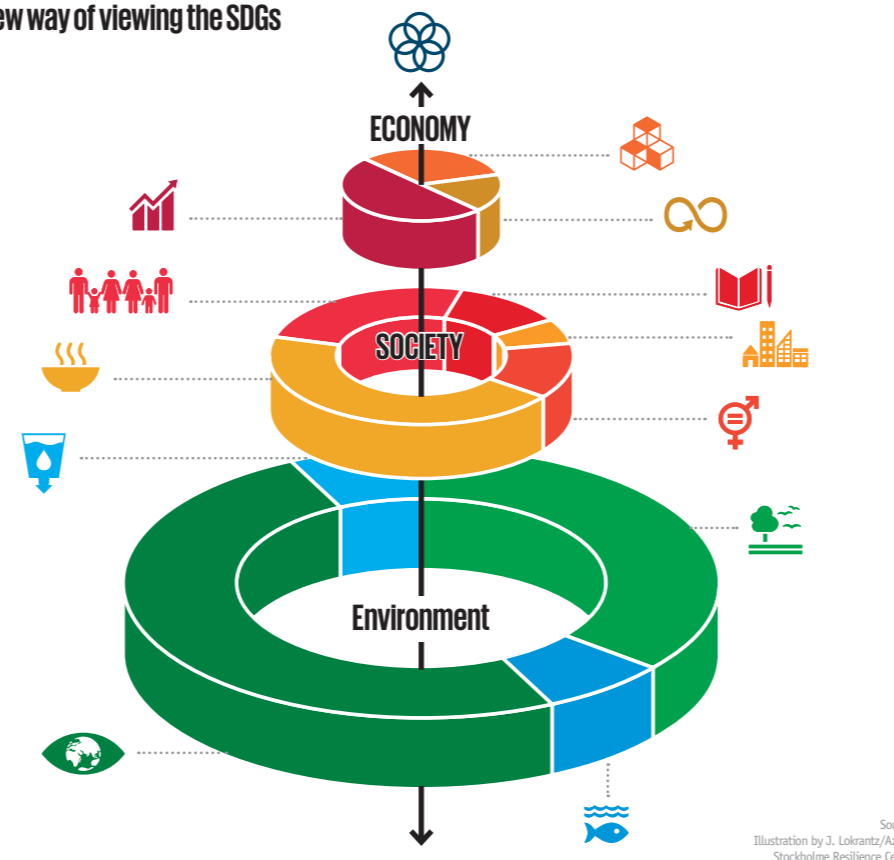


Illustration by J. Lokrantz/Azote, Stockholm Resilience Center

5 GENDER EQUALITY

(contributing to 3 out of 9 targets)

ProSoil: Increasing involvement of female farmers in agricultural training programmes, adoption of sustainable soil management practices and village-level committees (5.5, 5b)

MGNREGA-EB: Increasing women participation in village level natural resources planning (5.5)

UPNRM: Improving status of women towards drudgery reduction, decision making, economic opportunities and nutrition (5.5)

CCA-NER: Ensuring equal gender participation in value chains and capacity building (5.b)

CCKN-IA: Providing access to women to adaptation knowledge and advisories on resilient agriculture (5.b)

CCA-RAI: Ensuring women participation in adaptation interventions and capacity building (5.5, 5.b)

HP-FES: Higher participation of women to be reached via an improved outreach of Forest Ecosystem Services (5.a)

13 CLIMATE ACTION

(contributing to all 5 targets)

ProSoil: Introducing soil and water conservation techniques and adapting cropping patterns to contribute to climate change mitigation and adaptation (13.1)

CCA-RAI: Supporting development and implementation of State Climate Action Plans (SAPCCs) (13.2)

CCA-NER: Supporting implementation of SAPCCs in the North-Eastern Region (13.2, 13.3, 13.b)

NAMA: Developing, promoting and supporting innovative NAMAs for India (13.2, 13.3, 13.a)

GCM: Developing and building capacities towards innovative global market instruments for climate change (13.2, 13.3, 13.a)

I-CCC: Knowledge Management on climate change at national level (13.2, 13.3)

MGNREGA-EB: Improving planning processes of natural resource management (13.2, 13.3, 13.b)

UPNRM: Promoting climate smart and resilient livelihoods for vulnerable and poor through loans (13.2)

CCKN-IA: Introducing ICT for knowledge management towards climate resilient agriculture (13.2)

CSUB: Strengthens the capacity of ecosystems and target groups to adapt and mitigate to climate change (13.1)

14 LIFE BELOW WATER

(contributing to 3 out of 10 targets)

CMPA: The conservation and sustainable use of marine biodiversity benefits the local population being dependent on healthy marine and coastal ecosystems (14.2, 14.4, 14.a)

TEEB: Valuation of coastal and marine ecosystems contributes to decision making for effective regulation of marine fisheries and restore fish stocks (14.4)

15 LIFE ON LAND

(contributing to 6 out of 12 targets)

NAMA: Promoting sustainable management of forest resources by introducing cleaner energy solutions (15.2)

ProSoil: Implementing sustainable approaches of inclusive promotion of soil protection and rehabilitation. (15.3)

ABS: The capacities of governmental agencies and user groups are strengthened to effectively implement the Access and Benefit Sharing mechanisms (15.6)

TEEB & IBBI: Mainstreaming biodiversity and values of ecosystem services into development decision making and businesses at all levels (15.9, 15.a)

HP-FES: The forest ecosystem services approach is integrated in the forest management in Himachal Pradesh (15.2, 15.9, 15.b)