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NATURE COUNT\$

Investing in ecosystems and biodiversity for sustainable development

Foreword

'Not everything that counts can be counted...'

'And not everything that can be counted counts.' So goes the often-quoted adage by Albert Einstein.

Through UNDP ecosystem and biodiversity (EBD) work, we are learning that "not counting what counts" is much more serious than a mere oversight. Not counting the value of nature and what it provides to us and not including it in the cost-benefit calculus of businesses and development work has been the driver behind many calamities—massive biodiversity loss and ecosystem compensation payouts in the form of increased intensity of natural disasters, water scarcity, food insecurity, and fisheries collapse, among others.

For the world to achieve the Sustainable Development Goals (SDGs), we cannot keep 'not counting.'

Nature Count\$ showcases evidence of the development and economic impact of our large EBD portfolio in Asia and the Pacific with over 100 projects and US\$378 million in grants from the Global Environment Facility (GEF) and other donors. While we have selected only one example to illustrate how EBD contributes to each SDG, online key sheets corresponding to each goal further articulate the links between conservation actions and development impact. Where possible we used economics to "visualize" the development impact with powerful numbers, showing what nature conservation action in small communities or in

protected areas actually means for local and national economies, and to women and men on the ground.

We urge readers to ensure that ecosystem and biodiversity management becomes an integral part of national and local strategies to accelerate actions to achieve the 2030 Agenda for Sustainable Development.

Ecosystem and biodiversity management is the foundation of sustainable development. Increased investment in EBD actions and accelerated implementation of National Biodiversity Strategies and Action Plans will yield benefits beyond conservation, moving us ever closer to a just, equitable and prosperous future for all. As you explore the figures on these pages, we invite you to follow the link to the online Key Sheet to discover more evidence to support the fact that nature counts when investing in sustainable development.



Haoliang XuAssistant Administrator and Director
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NATURE COUNT\$

Scaling up integrated rice-fish practices demonstrated in Lao

PDR to 25% of seasonally

flooded rice fields in Asia

could sustainably produce

10.36 million tons

Of fish, providing better

income and nutrition for

more than 100 million

tarmers.

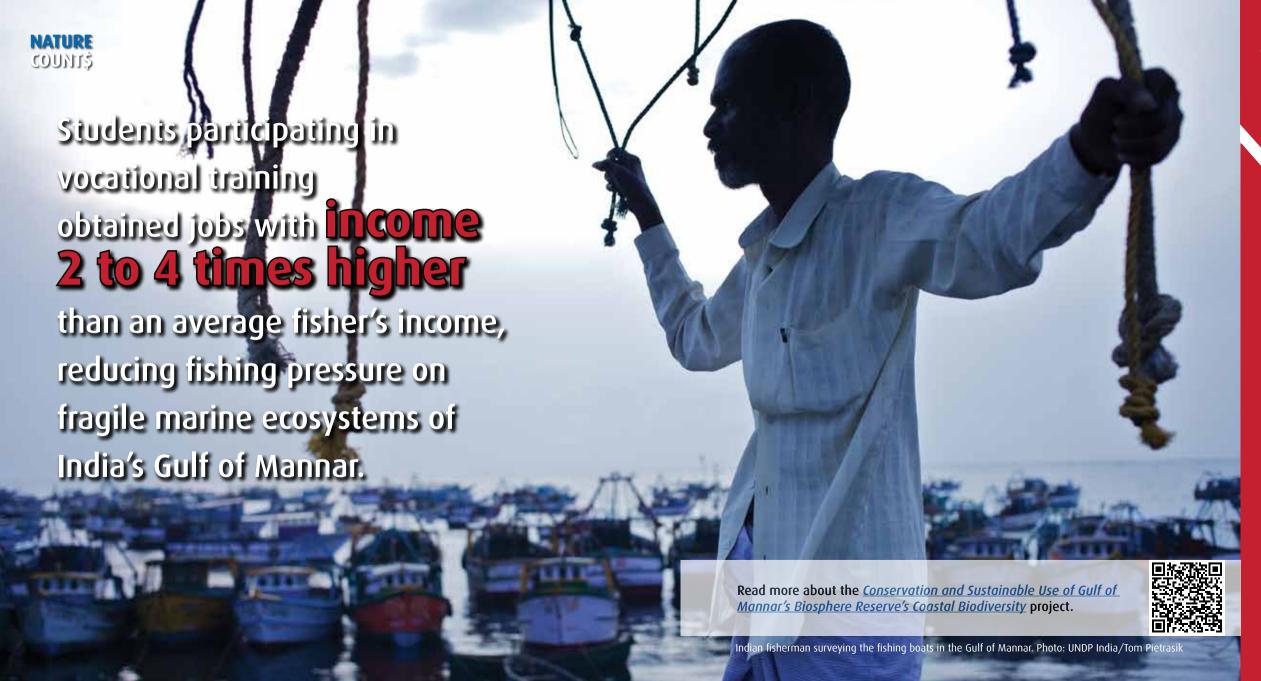
Read more about the <u>Mainstreaming Biodiversity in Lao PDR's</u>
<u>Agricultural and Land Management Policies, Plans, and Programmes</u>
project.



The protection and cultivation of medicinal plants in three Indian States guarantees their sustainable use for traditional plant-based medicine, relied upon by 830 million Indians for primary health care.

> Read more about the <u>Mainstreaming Conservation and Sustainable</u> <u>Use of Medicinal Plants in Three Indian States</u> project.







Read more about the <u>Establishing Integrated Models for Protected Areas and their Co-management in Afghanistan</u> project.

NATURE

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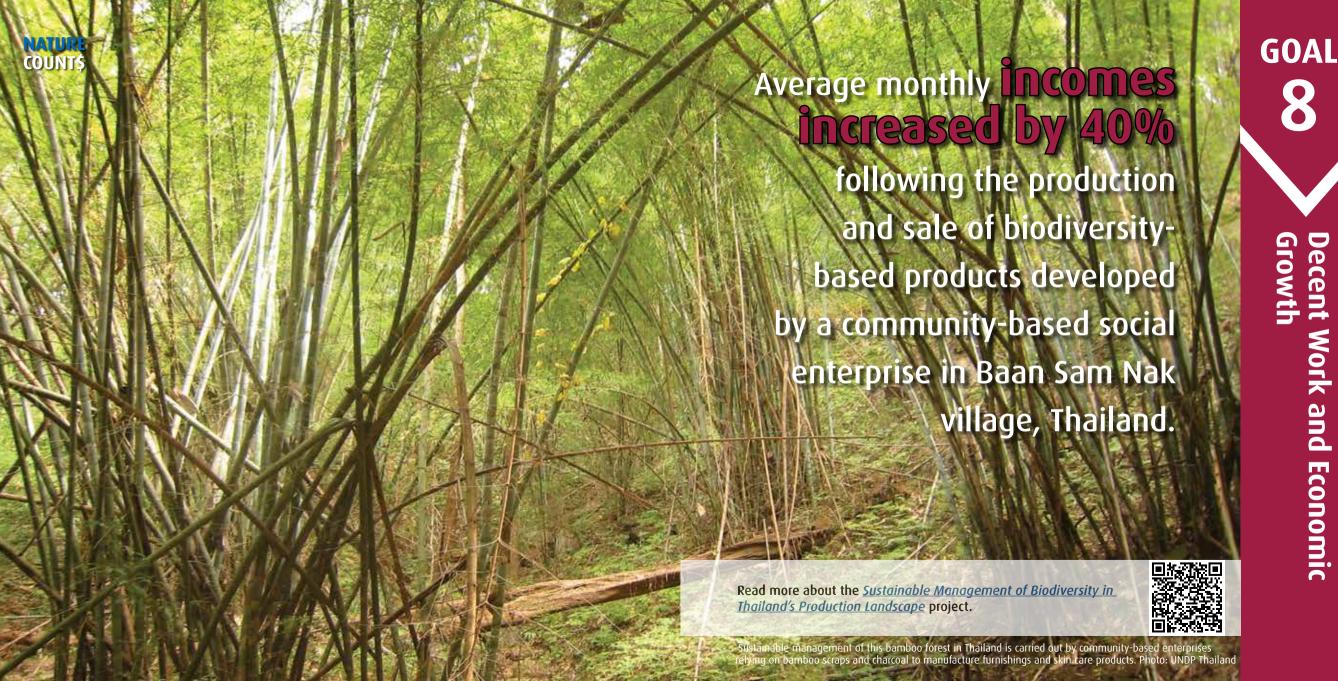




Read more about the <u>Payment for Watershed Services in the Chishui</u> <u>River Basin for the Conservation of Globally Significant Biodiversity</u> project.







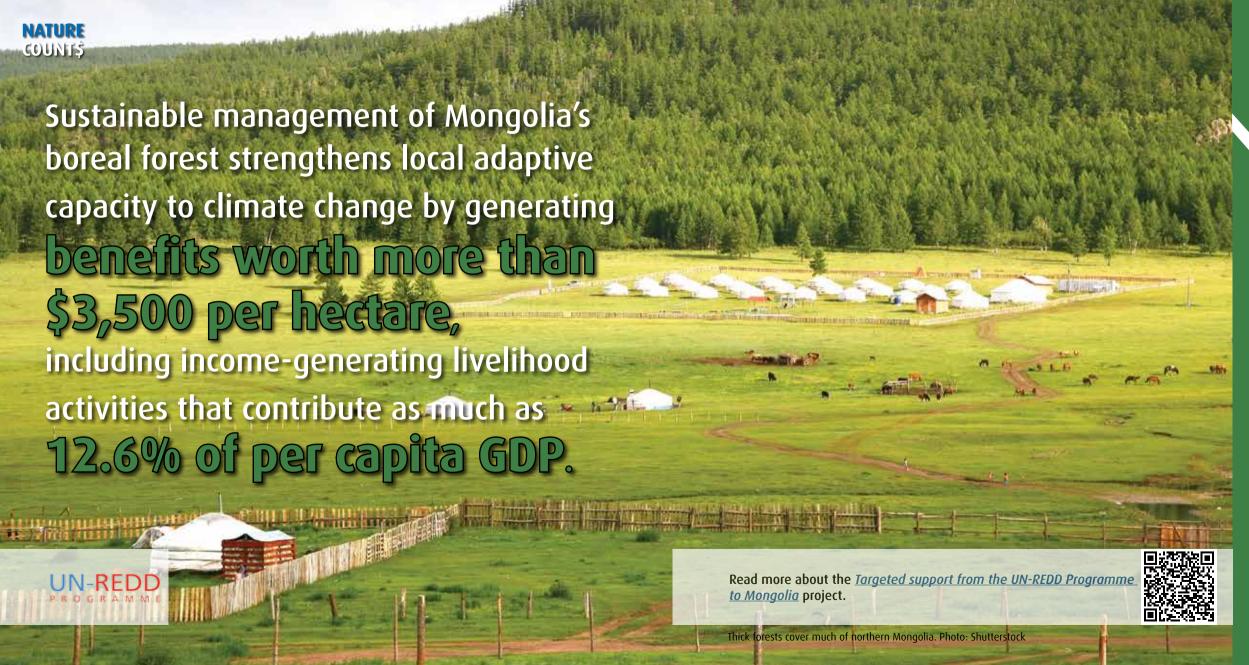








COUNTS



Establishing an integrated management system for ecosystem conservation in Baa Atoll, Maldives, enhanced locals' capacity to safeguard marine and coastal ecosystem services Worth US\$195 million per year in direct uses by local communities and the private sector.

Read more about the <u>Atoll Ecosystem-based Conservation of Globally</u>
Significant Biological Diversity in the Maldives' Baa Atoll project.









COUNTS

The 16 projects presented in this book alone involve MOFe than 150 distinct Partners working towards the SDGs.

Read more about the <u>Partnership and Co-financing in the Asia-Pacific Region</u>.

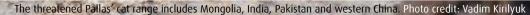




Beyond this booklet...

Learn more about how investing in biodiversity and ecosystems can bring multiple dividends across the SDGs through full access to the Nature Count\$ Key Sheets at:

www.asia-pacific.undp.org/content/rbap/en/home/library/sustainable-development/nature-counts/booklet.html

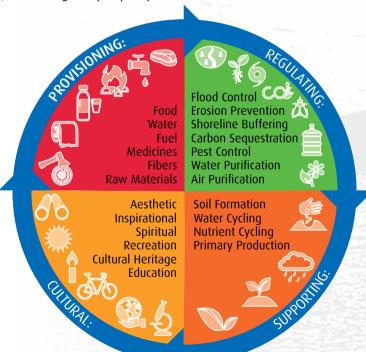




Frequently Asked Questions

What are ecosystem services?

The Millennium Ecosystem Assessment conducted by the United Nations from 2001-2005 defines ecosystem services as the benefits people obtain from ecosystems. These include provisioning services such as food, water, timber, and fibre; regulating services that affect climate, floods, disease, wastes, and water quality; cultural services that provide recreational, aesthetic, and spiritual benefits; and supporting services such as soil formation, photosynthesis, and nutrient cycling. The human species is fundamentally dependent on the flow of ecosystem services for its survival, well-being and prosperity.



What is natural infrastructure?

Infrastructure can be defined as the stock of facilities, services and equipment that is needed for the economy and society to function properly. Conventional infrastructure includes roads and bridges, power lines, communications systems, and wastewater treatment facilities, to name a few. Provision of adequate and accessible infrastructure lies at the heart of economic growth, human development and poverty reduction. Like conventional infrastructure, ecosystems—such as wetlands, forests, grasslands, coral reefs, mangroves and other natural habitats—provide a suite of services that are essential for economic production and consumption, and are required for society to prosper. These naturally occurring systems can be termed 'natural infrastructure.'

Why protect natural infrastructure?

From an economic perspective, natural infrastructure should be considered, accounted for and invested in alongside conventional infrastructure. In order to ensure ecosystems' productivity and continued support to human development, they need to be maintained and improved to meet both today's needs and the intensifying demands and pressures in the future—just like any other component of infrastructure. In contrast, a failure to value ecosystems when choices are made about allocating land, resources and investment funds can incur far-reaching economic costs, and may ultimately undermine many of today's efforts at sustained, equitable and inclusive growth and development.

What is an 'economic valuation of ecosystem services' study?

Independent economic valuation of ecosystem services studies are now regularly incorporated into EBD projects as a way to make visible the economic value of essential natural functions that have previously been unaccounted for in commercial and policy arenas. This data equips planners and other decision makers to more accurately weigh the costs and benefits of land use changes or other decisions affecting natural resource use, avoiding future costs by facilitating the preservation of natural infrastructure and its vital services today.



Empowered lives. Resilient nations

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