



Achieving SDGs:

Can fishery certifications help India?

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5th January 2024, NITI Aayog/ DOF-GOK/CMFRI
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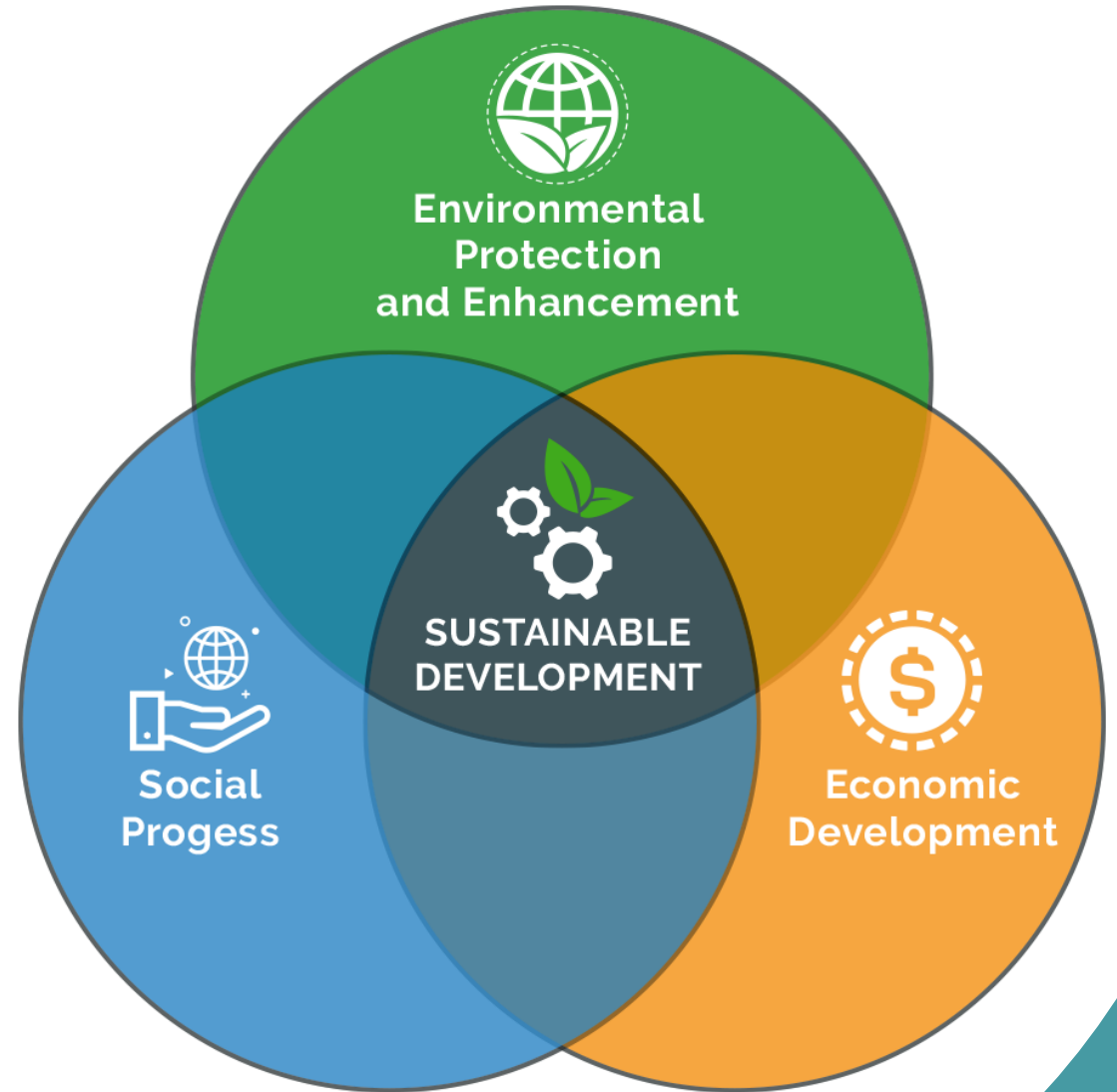
SUSTAINABLE DEVELOPMENT GOALS



SUSTAINABLE DEVELOPMENT GOALS (SDGs)

- Adopted in 2015 as a universal call-to-action to achieve peace and prosperity for all by 2030
- MDGs were about lifting developing countries out of poverty
- SDGs also focus on our own need to transform unsustainable lifestyles, promote equality, human rights, and justice

**Sustainable
development meets
the needs of the
current generation
without compromising
the needs of future
generations**

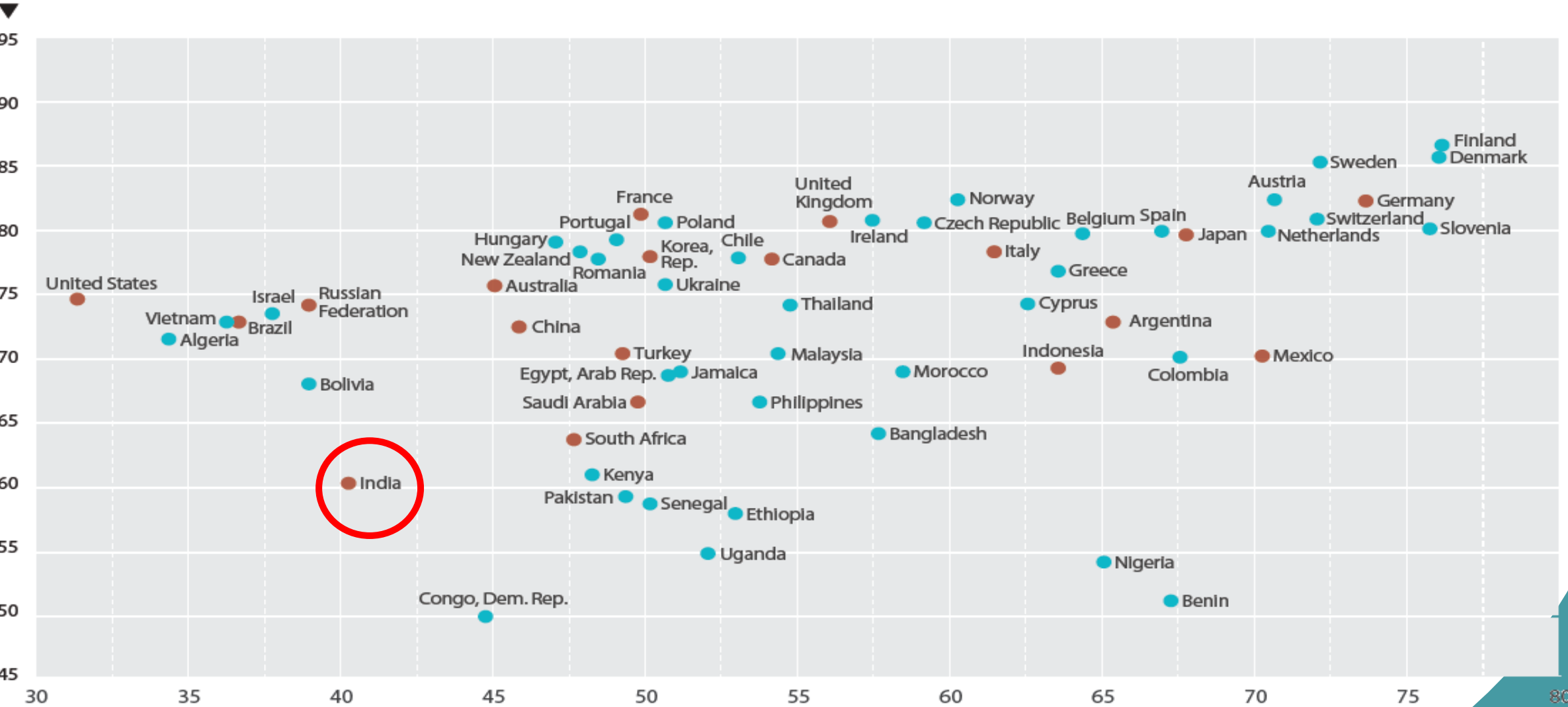


SUSTAINABLE DEVELOPMENT GOALS



Governments' Commitment and Efforts for the SDGs Score (pilot version) versus SDG Index Score

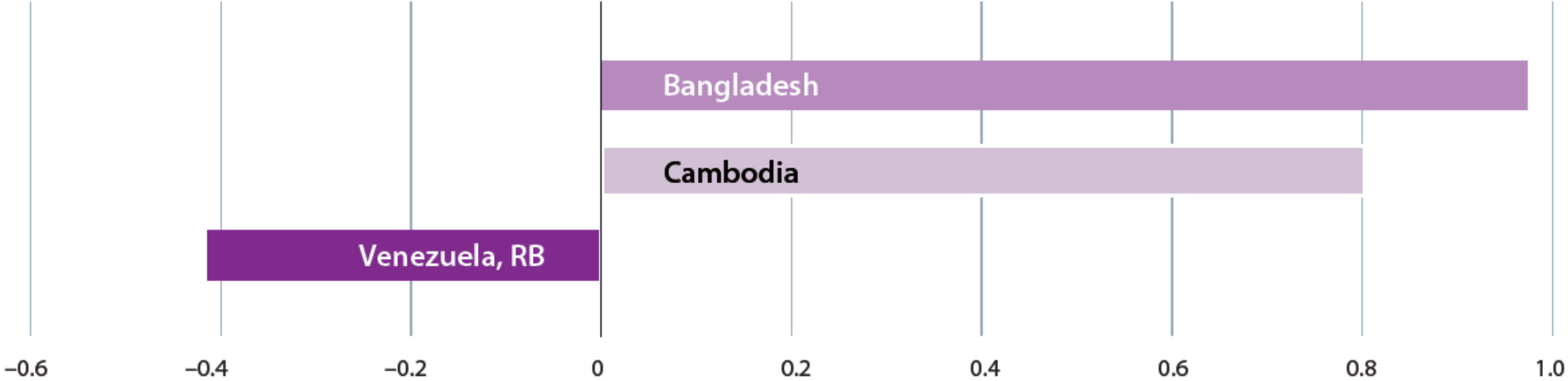
SDG Index Score 2022 (0 worst–100 best)



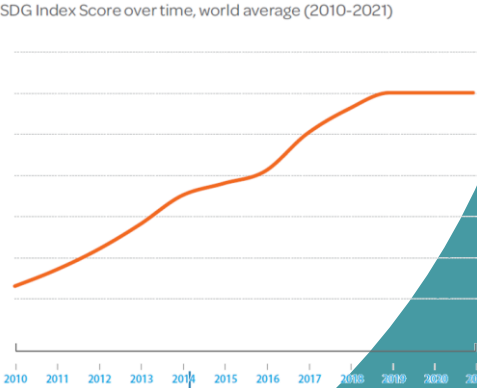
- G20 countries
- Non-G20 countries

Governments' Commitment and Efforts for the SDGs Score (pilot version), 2022 (0 worst–100 best)

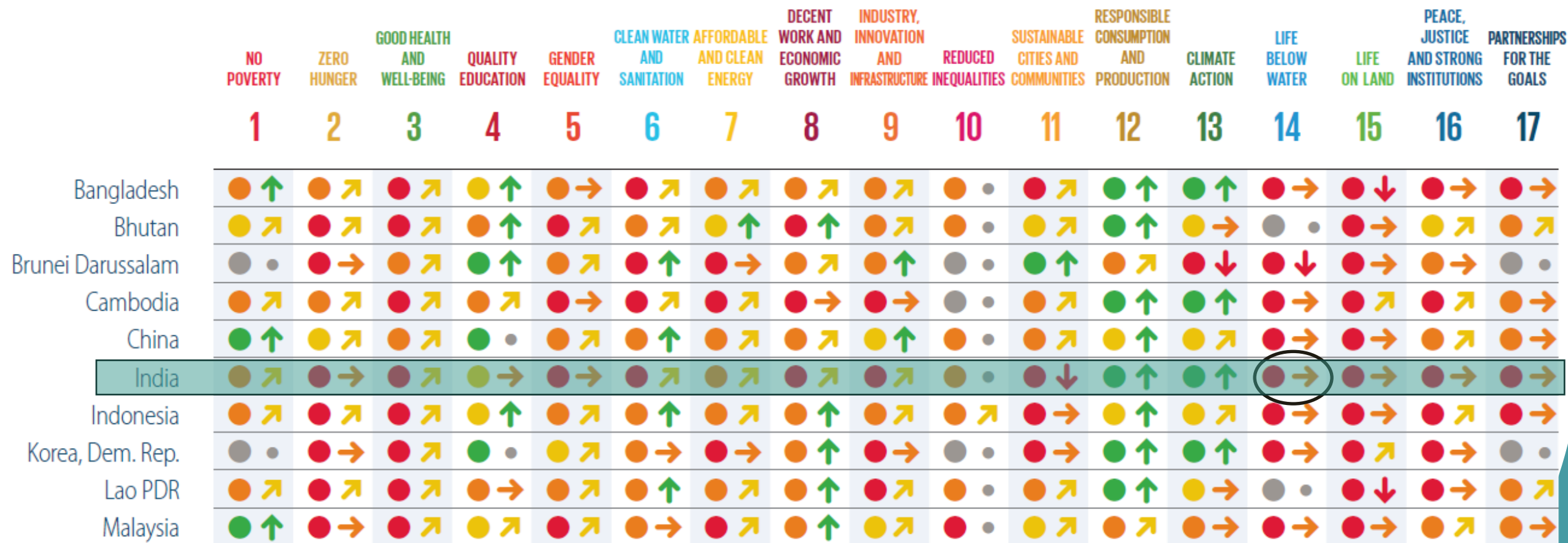
Countries with the greatest change in SDG Index score between 2015 and 2021 (annualized point changes)



Source: Authors' analysis



2022 SDG dashboards for East and South Asia (levels and trends)



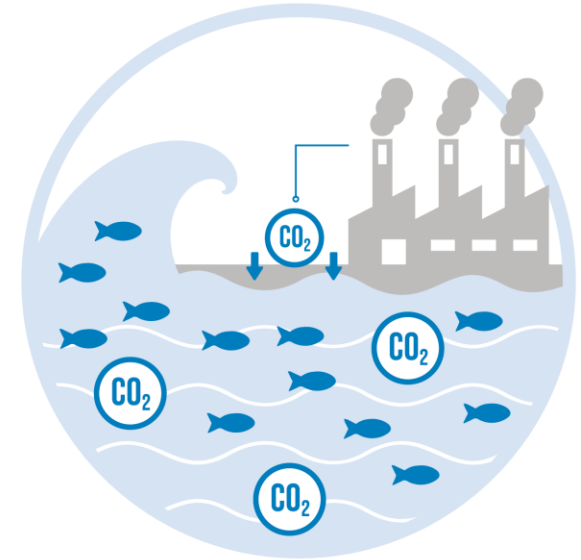
Sustainable Development Report 2022 From Crisis to Sustainable Development:
the SDGs as Roadmap to 2030 and Beyond

OUR OCEAN

THE PLANET'S LARGEST ECOSYSTEM

IS ENDANGERED

PLASTIC/MARINE POLLUTION



INCREASING ACIDIFICATION
IS THREATENING MARINE LIFE AND
LIMITING THE OCEAN'S CAPACITY
TO MODERATE CLIMATE CHANGE

THE OCEAN ABSORBS AROUND 1/4

How SDG 14 targets are scored?

SDG	Indicator	Optimum (value = 100)	Green	Yellow	Orange	Red	Lower bound	Justification for optimum
14	Mean area that is protected in marine sites important to biodiversity (%)	100	≥ 85	$85 > x \geq 75$	$75 > x \geq 65$	< 65	0	Technical Optimum
14	Ocean Health Index: Clean Waters score (worst 0–100 best)	100	≥ 80	$80 > x \geq 75$	$75 > x \geq 70$	< 70	28.6	Technical Optimum
14	Fish caught from overexploited or collapsed stocks (% of total catch)	0	≤ 25	$25 < x \leq 37.5$	$37.5 < x \leq 50$	> 50	90.7	Technical Optimum
14	Fish caught by trawling or dredging (%)	1	≤ 7	$7 < x \leq 33.5$	$33.5 < x \leq 60$	> 60	90	Average of 5 best performers
14	Fish caught that are then discarded (%)	0	≤ 5	$5 < x \leq 10$	$10 < x \leq 15$	> 15	20	Technical Optimum
14	Marine biodiversity threats embodied in imports (per million population)	0	≤ 0.2	$0.2 < x \leq 0.6$	$0.6 < x \leq 1$	> 1	2	Technical Optimum

SDG 14 > 10 Targets... 14.1, 14.2...

TARGET 14.1



REDUCE MARINE POLLUTION

By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution.

TARGET 14.2



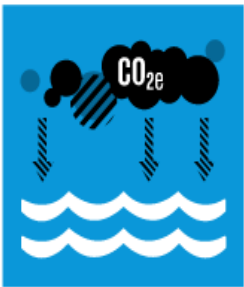
PROTECT AND RESTORE ECOSYSTEMS

By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans.



SDG 14 > 10 Targets... 14.3 & 14.4...

TARGET 14.3



REDUCE OCEAN ACIDIFICATION

Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels.



TARGET 14.4



SUSTAINABLE FISHING

By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield as determined by their biological characteristics.



SDG 14 > 10 Targets... 14.5 & 14.6...

TARGET 14.5

CONSERVE COASTAL AND MARINE AREAS

By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information.

TARGET 14.6

END SUBSIDIES CONTRIBUTING TO OVERFISHING

By 2020, prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing, eliminate subsidies that contribute to illegal, unreported and unregulated fishing and refrain from introducing new such subsidies, recognizing that appropriate and effective special and differential treatment for developing and least developed countries should be an integral part of the World Trade Organization fisheries subsidies negotiation.

SDG 14 > 10 Targets... 14.7 & 14.8...

TARGET 14.7



INCREASE THE ECONOMIC BENEFITS FROM SUSTAINABLE USE OF MARINE RESOURCES

By 2030, increase the economic benefits to small island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism.

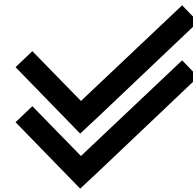


TARGET 14.8



INCREASE SCIENTIFIC KNOWLEDGE, RESEARCH AND TECHNOLOGY FOR OCEAN HEALTH

Increase scientific knowledge, develop research capacity and transfer marine technology, taking into account the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology, in order to improve ocean health and to enhance the contribution of marine biodiversity to the development of developing countries, in particular small island developing States and least developed countries.



SDG 14 > 10 Targets... 14.9 & 14A

TARGET 14.9

SUPPORT SMALL SCALE FISHERS

Provide access for small-scale artisanal fishers to marine resources and markets.



TARGET 14.A

IMPLEMENT AND ENFORCE INTERNATIONAL SEA LAW

Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in the United Nations Convention on the Law of the Sea, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158 of “The future we want”.



A key global analytical paper



Ocean & Coastal Management

Volume 227, 1 August 2022, 106273



Sustainable development goal 14: To what degree have we achieved the 2020 targets for our oceans?

M. Andriamahefazafy^a  , G. Touron-Gardic^a, A. March^a, G. Hosch^b,
M.L.D. Palomares^c, P. Failler^a

- ^a Centre for Blue Governance, University of Portsmouth, Winston Churchill Avenue, Portsmouth, Hampshire, PO1 2UP, United Kingdom
- ^b DIATOM Consulting, 21 rue Adolphe Omlor, L-2262, Luxembourg
- ^c Sea Around Us, Institute for the Oceans and Fisheries, University of British Columbia, Vancouver, British Columbia, V6T 1Z4, Canada

14.2



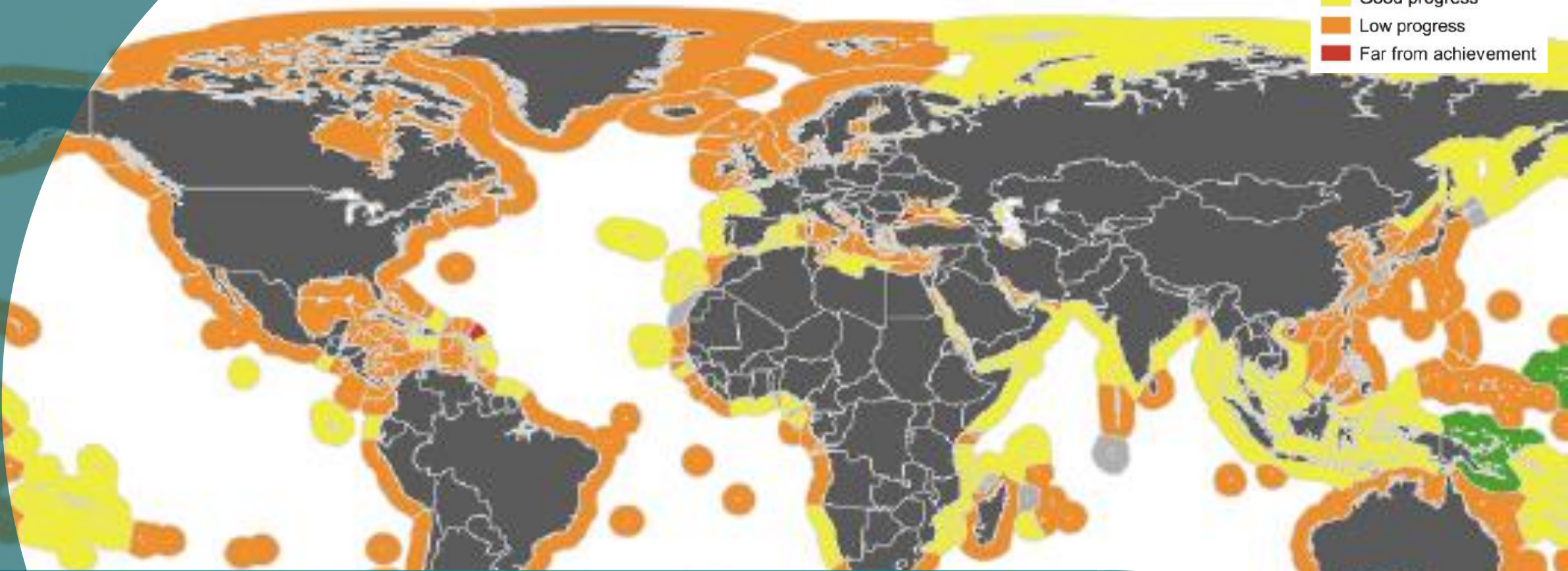
Andriamahefazafy et al. 2022

Progress in 14.2... protect & restore ecosystems

14.4

SDG Achievement:

- Achieved
- Good progress
- Low progress
- Far from achievement



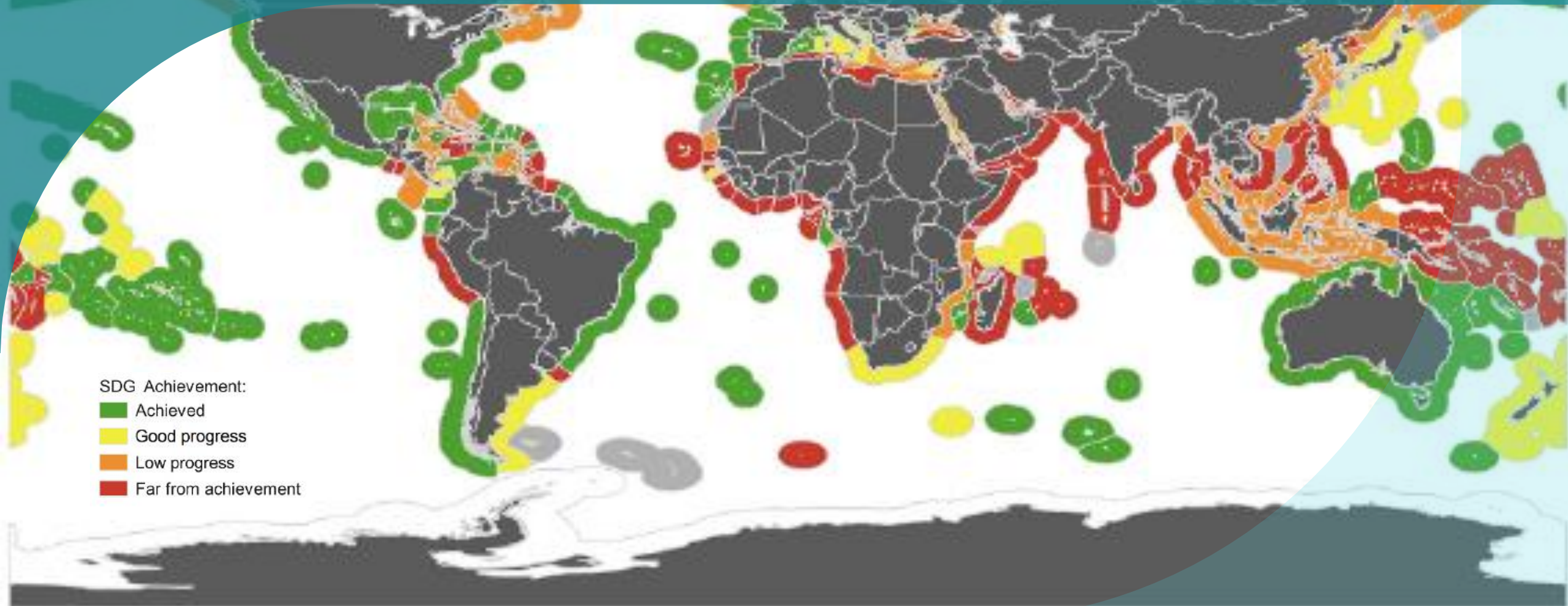
Andriamahefazafy et al. 2022

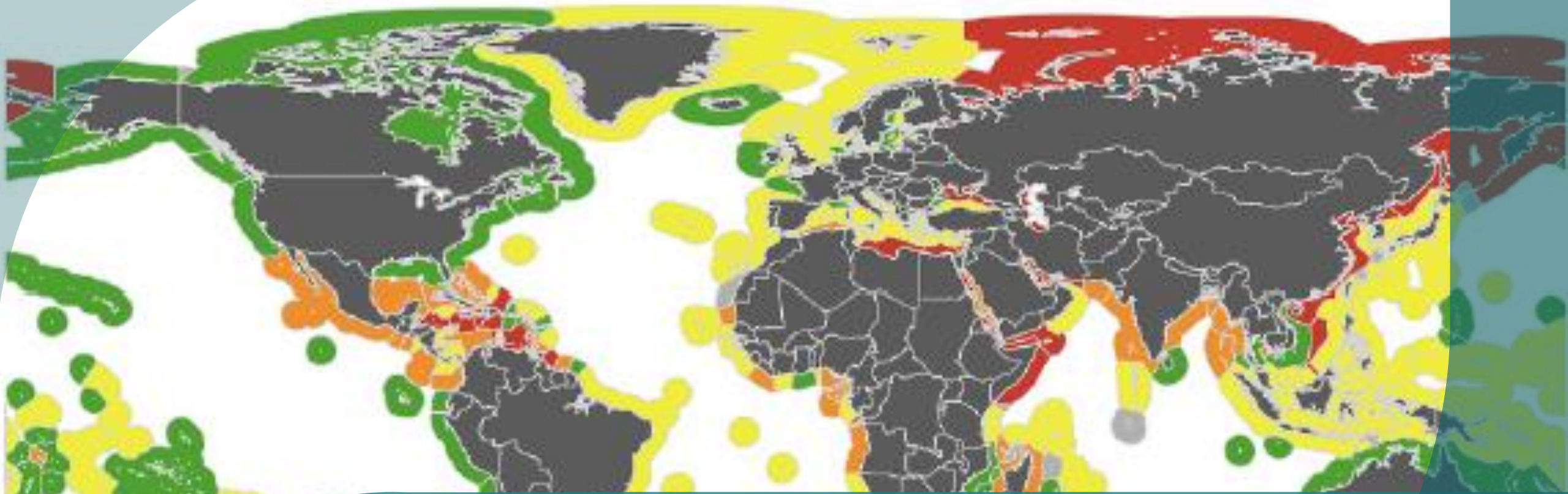
Progress in 14.4... sustainable fishing

14.5

Progress in 14.5... conserve coastal and marine areas

Andriamahefazafy et al. 2022



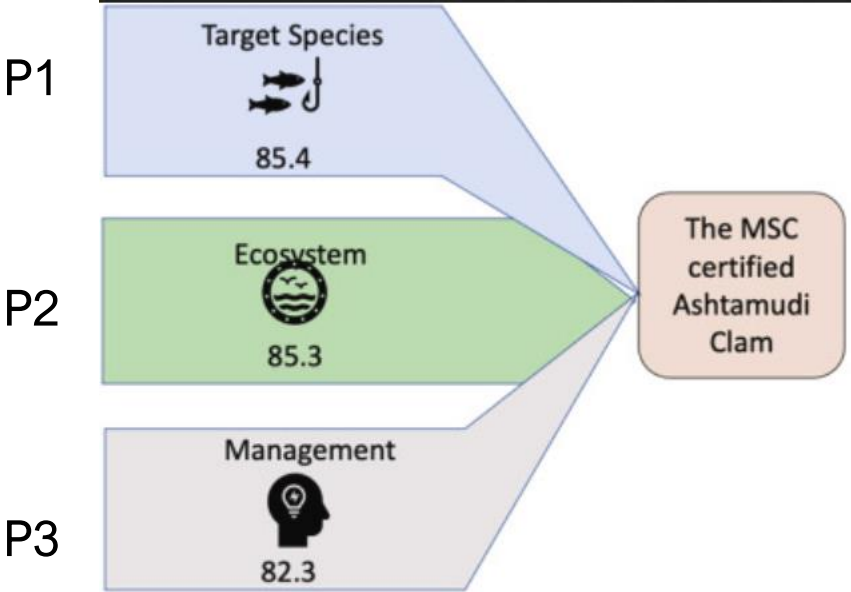
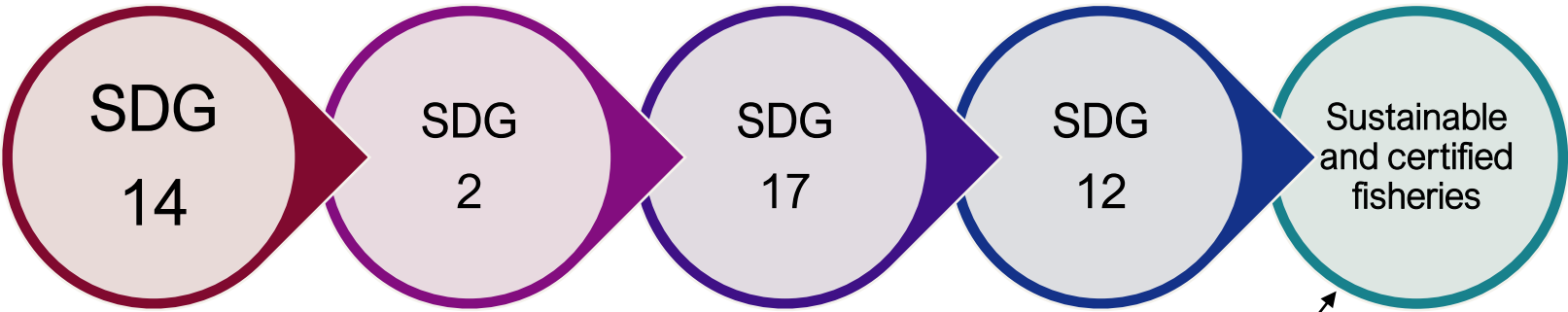


Progress in 14.6... end subsidies contributing to overfishing

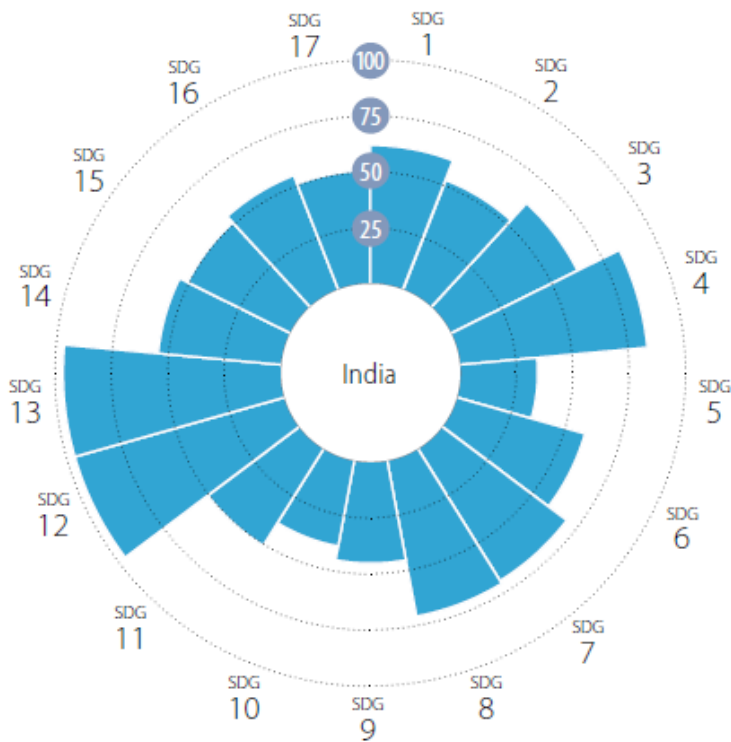
SDG Achievement:

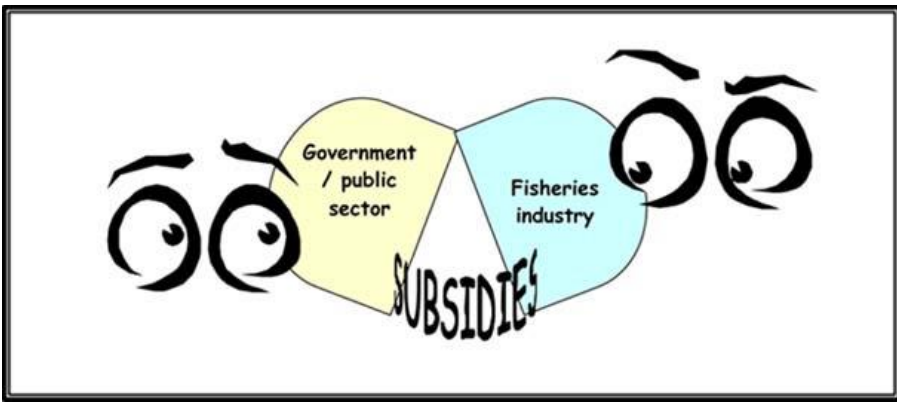
- Achieved
- Good progress
- Low progress
- Far from achievement

Fisheries certification can play a key role in realization of the SDGs



▼ AVERAGE PERFORMANCE BY SDG





Incentivizing subsidies SDG 14.6



Port construction
& renovation



Fuel tax
exemptions



Boat construction
& modernisation

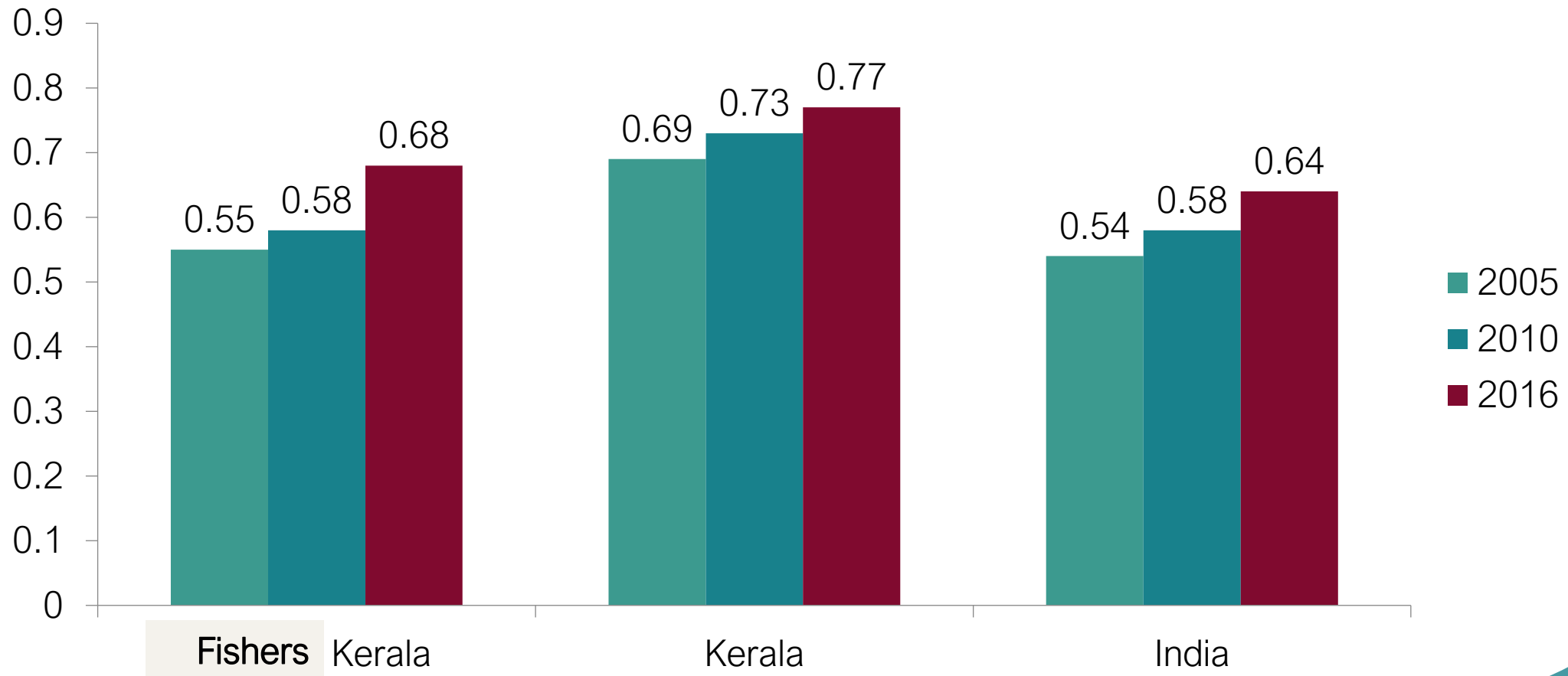
Many harmful subsidies, such as those for fuel and those promoting overcapacity

Can be incentivized – rewarding fishers for following closed season (ban) as this is a sacrifice of their livelihood for conservation of resources (national wealth)

This amount can be kept high and equal to current total subsidies per fisher

Incentives for those following rules and regulations only

Kerala fishers – Human Development Index (HDI)



Strategies for using certification as an SDG achievement tool

Recognize

- That sustainability certification can lead to better SDG scores – already done...

Translate

- Communicate the work of researchers – results to reach the SDG monitoring cells of the state

Create

- An advisory network across disciplines

Foster

- New research and projects in sustainability, including projects linked to SDG

Focus

- On the importance of the SDGs as the cornerstone of global learning and development



Thank you