

UNCRD's Approach to Resilient Urban Development through Smart Solutions

**The Second Half of Achieving the SDGs:
Halfway to 2030**

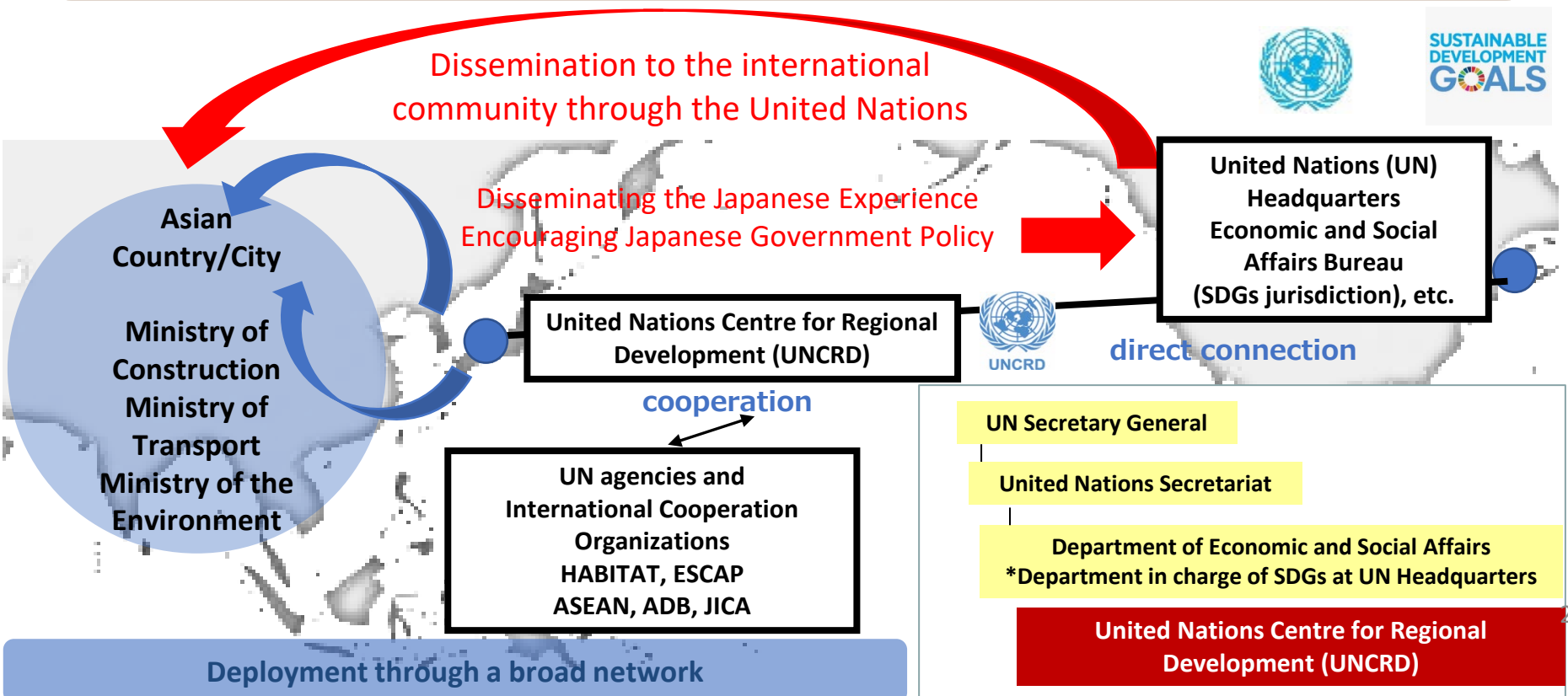
Kazushige Endo

Director

United Nations Centre for Regional Development

About United Nations Centre for Regional Development (UNCRD)

- * The only agency within the United Nations dedicated to supporting sustainable regional development in developing countries;
- * Disseminate Japanese experience and policies around the world through global and local networks, in addition to providing training, advice, surveys and research, and international meetings for administrative officials from various countries;
- * The technology, know-how, and experience of the Chubu region and other parts of Japan have been identified as SDG targets; and
- * Contribute to the resolution of regional issues and promote Japan's international contribution.



SDG Summit 2023

As the turn toward 2030 approaches, heads of state and government discuss the SDGs in light of progress

SDG Summit 2023."

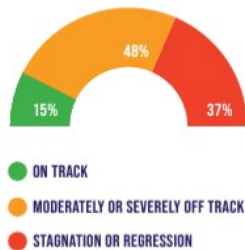
(September 18-19, 2023, UN Headquarters, New York)

"Today, **only 15% of our goals** are on track, and many are going backwards."

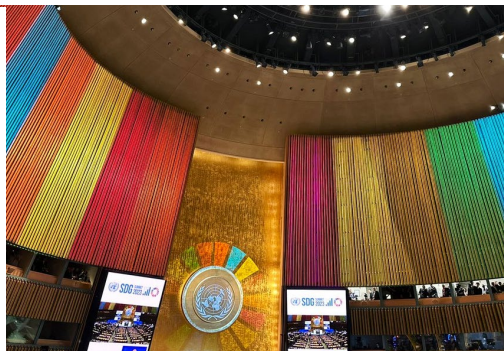
"Instead of "leaving no one behind," we risk **leaving the SDGs behind.**

"The SDGs need a **global rescue** plan." UN Secretary-General Guterres

A CONCERNING PICTURE OF SDG PROGRESS AT THE MIDPOINT:



BASED ON AN ASSESSMENT OF SDG TARGETS WITH TREND DATA.



UNCRD introduces public-private partnership efforts to accelerate local SDG promotion

SDG Action Weekend 2023."

(UN Headquarters, New York, September 16, 2023)

UNCRD presents the activities of the Municipal SDG Monitoring Study Group at the SDG Action Weekend 2023.

- First release of "Halfway to 2030: Japan SDGs Local and Regional Report 2023" (Japan SDGs Local and Regional Achievement Assessment 2023)



Screen shows UNCRD speakers





Current State of Progress Toward The SDGs Based on Selected Targets

GOAL	INDICATOR	DISTANCE FROM TARGET (2023) ¹					TREND OF SDG PROGRESS (2023) ¹	CHANGE IN TREND OF SDG PROGRESS BETWEEN 2020 AND 2023 ²
		1	2	3	4	5		
1	1.1.1 Eradicate extreme poverty	1	1	1			Limited or no progress	← Backward
	1.3.1 Implement social protection systems	1	1	1			Fair progress but acceleration needed	N/A
2	2.1.2 Achieve food security	2	2				Deterioration	None
	2.2.1 End malnutrition (stunting)	2	2				Fair progress but acceleration needed	None
3	3.1.2 Increase skilled birth attendance	4	4	4	4		Fair progress but acceleration needed	← Backward
	3.2.1 End preventable deaths under 5	1	1	1			Fair progress but acceleration needed	← Backward
	3.3.3 End malaria epidemic	2	2				Limited or no progress	None
	3.b.1 Increase vaccine coverage	1	1	1			Deterioration	← Backward
4	4.1.2 Ensure primary education completion	1	1	1			Limited or no progress	← Backward
5	5.3.1 Eliminate child marriage	1	1	1			Fair progress but acceleration needed	None
	5.5.1 Increase women in political positions	1	1	1			Fair progress but acceleration needed	None
6	6.1.1 Universal safe drinking water	1	1	1			Limited or no progress	None
	6.2.1 Universal safe sanitation and hygiene	1	1	1			Fair progress but acceleration needed	None
7	7.1.1 Universal access to electricity	1	1	1			Fair progress but acceleration needed	← Backward
	7.3.1 Improve energy efficiency	1	1	1			Fair progress but acceleration needed	None
8	8.1.1 Sustainable economic growth	1	1	1			Deterioration	← Backward
	8.5.2 Achieve full employment	4	4	4	4		Limited or no progress	None
9	9.2.1 Sustainable and inclusive industrialization	4	4	4	4		Limited or no progress	None
	9.5.1 Increase research and development spending	1	1	1			Fair progress but acceleration needed	→ Forward
	9.c.1 Increase access to mobile networks	4	4	4	4		Substantial progress/on track	None

Source: UN Global Sustainable Development Report 2023

Current State of Progress Toward The SDGs Based on Selected Targets (Continued)

 GOAL	 INDICATOR	DISTANCE FROM TARGET (2023)¹ ■ Very far from target ■ Far from target ■ Moderate distance to target ■ Close to target ■ Target met or almost met	 TREND OF SDG PROGRESS (2023)¹	 CHANGE IN TREND OF SDG PROGRESS BETWEEN 2020 AND 2023²
10	10.4.2 Reduce inequality within countries	■ ■ ■	Fair progress but acceleration needed	N/A
11	11.1.1 Ensure safe and affordable housing	■ ■	Fair progress but acceleration needed	➔ Forward
12	12.2.2 Reduce domestic material consumption	■ ■ ■	Limited or no progress	N/A
13	12.c.1 Remove fossil fuel subsidies	■ ■ ■	Deterioration	➔ Backward
13	13.2.2 Reduce global greenhouse gas emissions	■ ■	Deterioration	None
14	14.4.1 Ensure sustainable fish stocks	■	Deterioration	N/A
14	14.5.1 Conserve marine key biodiversity areas	■ ■ ■	Limited or no progress	N/A
15	15.1.2 Conserve terrestrial key biodiversity areas	■ ■ ■	Limited or no progress	None
15	15.4.1 Conserve mountain key biodiversity areas	■ ■ ■	Limited or no progress	N/A
15	15.5.1 Prevent extinction of species	■ ■ ■	Deterioration	None
16	16.1.1 Reduce homicide rates	■ ■	Limited or no progress	➔ Backward
16	16.3.2 Reduce unsentenced detainees	■ ■	Deterioration	None
16	16.a.1 Increase national human rights institutions	■ ■ ■	Fair progress but acceleration needed	None
17	17.2.1 Implement all development assistance commitments	■ ■	Fair progress but acceleration needed	➔ Forward
17	17.8.1 Increase internet use	■ ■ ■ ■	Substantial progress/on track	None
17	17.18.3 Enhance statistical capacity	■ ■ ■	Limited or no progress	None

State of the World "Sustainable Development (SDGs) Report Special Edition 2023"

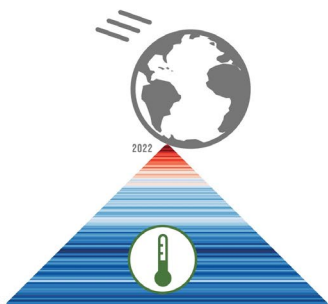
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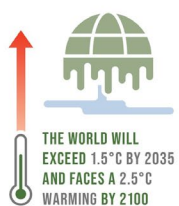
TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

EARTH'S TIPPING POINT

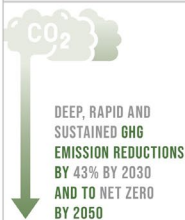
STANDING AT THE BRINK OF CLIMATE CALAMITY



WHERE WE ARE



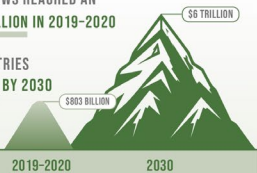
WHAT WE NEED



BILLIONS TO TRILLIONS:

GLOBAL CLIMATE FINANCE FLOWS REACHED AN ANNUAL AVERAGE OF \$803 BILLION IN 2019-2020

HOWEVER, DEVELOPING COUNTRIES REQUIRE NEARLY \$6 TRILLION BY 2030



THE RATE OF SEA-LEVEL RISE HAS **DOUBLED** IN THE LAST DECADE



HIGHLY VULNERABLE REGIONS

EXPERIENCE **15X HIGHER MORTALITY RATES** FROM DISASTERS COMPARED TO VERY LOW VULNERABILITY REGIONS (2010-2020)



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CONSERVE AND SUSTAINABLY USE THE OCEANS, SEA AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

PRESERVE THE BLUE, PROTECT THE EARTH:

URGENT ACTIONS NEEDED TO SAFEGUARD THE PLANET'S **LARGEST ECOSYSTEM**

OCEAN EMERGENCY



COASTAL EUTROPHICATION:
CAUSING ALGAL BLOOMS AND DEAD ZONES



OCEAN ACIDIFICATION:
30% HIGHER THAN IN PRE-INDUSTRIAL TIMES



OCEAN WARMING:
SEA-LEVEL RISE AND AFFECTING MARINE ECOSYSTEMS



PLASTIC POLLUTION:
17 MILLION METRIC TONS IN 2021-2-3X MORE BY 2040



OVER-FISHING:
MORE THAN A THIRD OF GLOBAL FISH STOCKS ARE OVERFISHED

CITIZEN SCIENCE BEACH CLEAN-UPS

SHED LIGHT ON THE MAGNITUDE OF OCEAN PLASTIC POLLUTION



SUFFOCATING SEAS

COASTAL EUTROPHICATION TRIGGERS CRUSTACEAN WALKOUTS



OCEAN ACIDIFICATION

REPORTING STATIONS HAVE TRIPLED WORLDWIDE

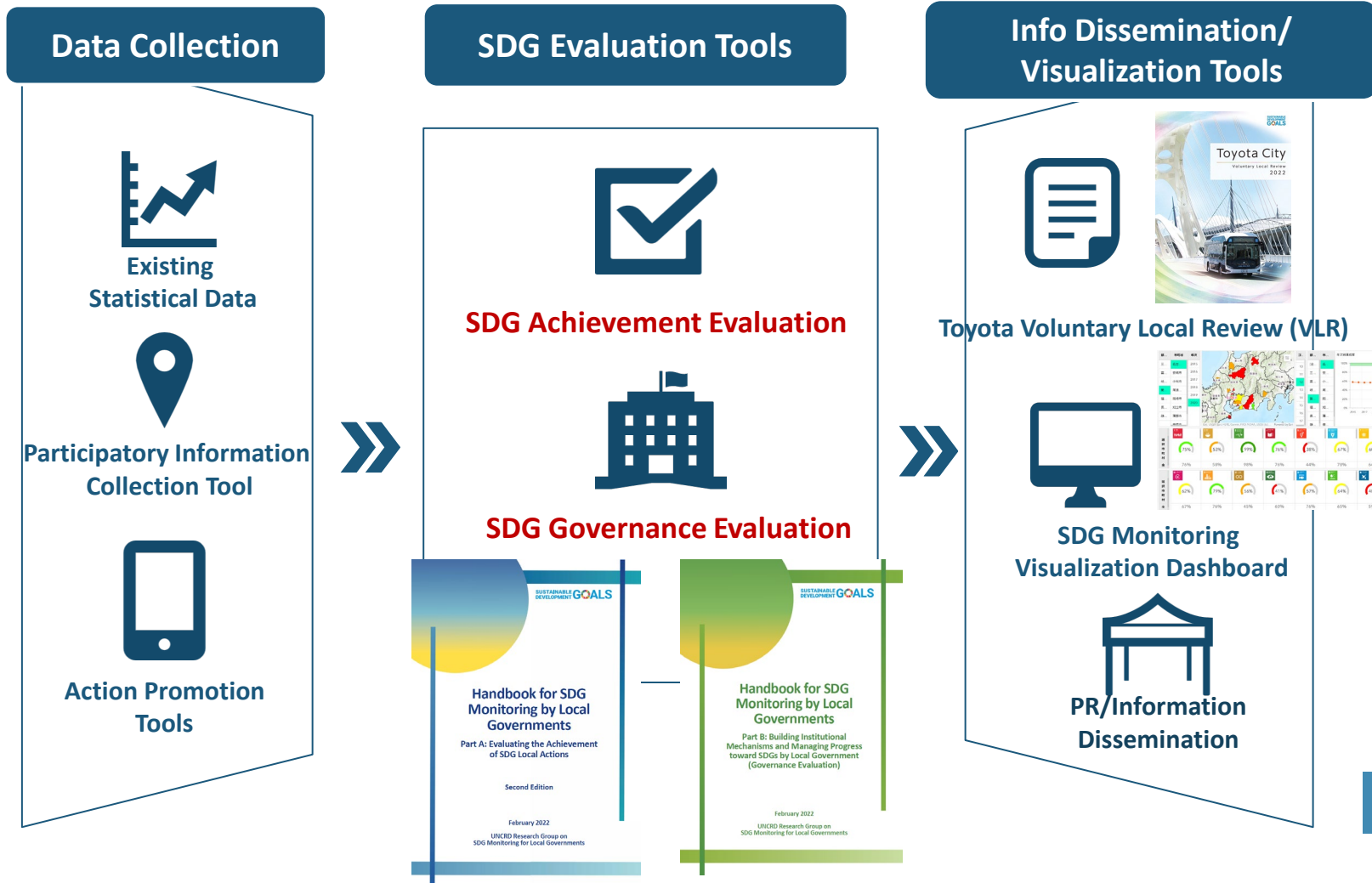


2021: 178 STATIONS
2022: 308 STATIONS
2023: 539 STATIONS

1 IN 5 FISH CAUGHT ORIGINATES FROM ILLEGAL, UNREPORTED AND UNREGULATED FISHING

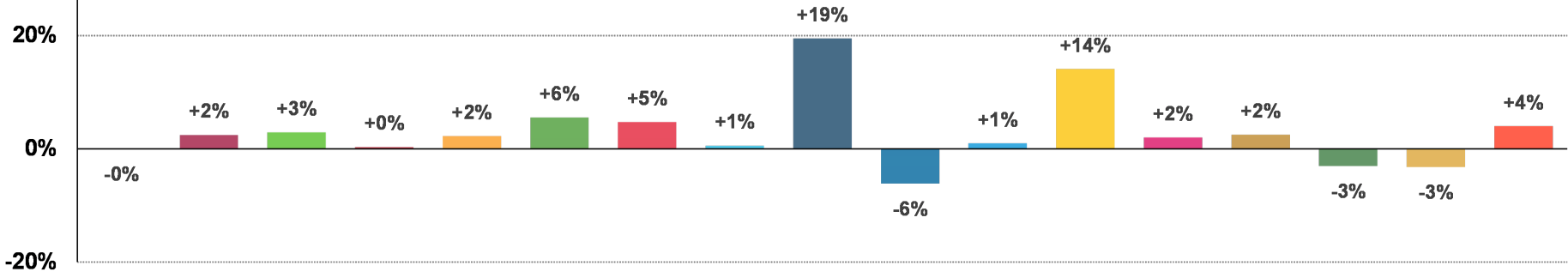
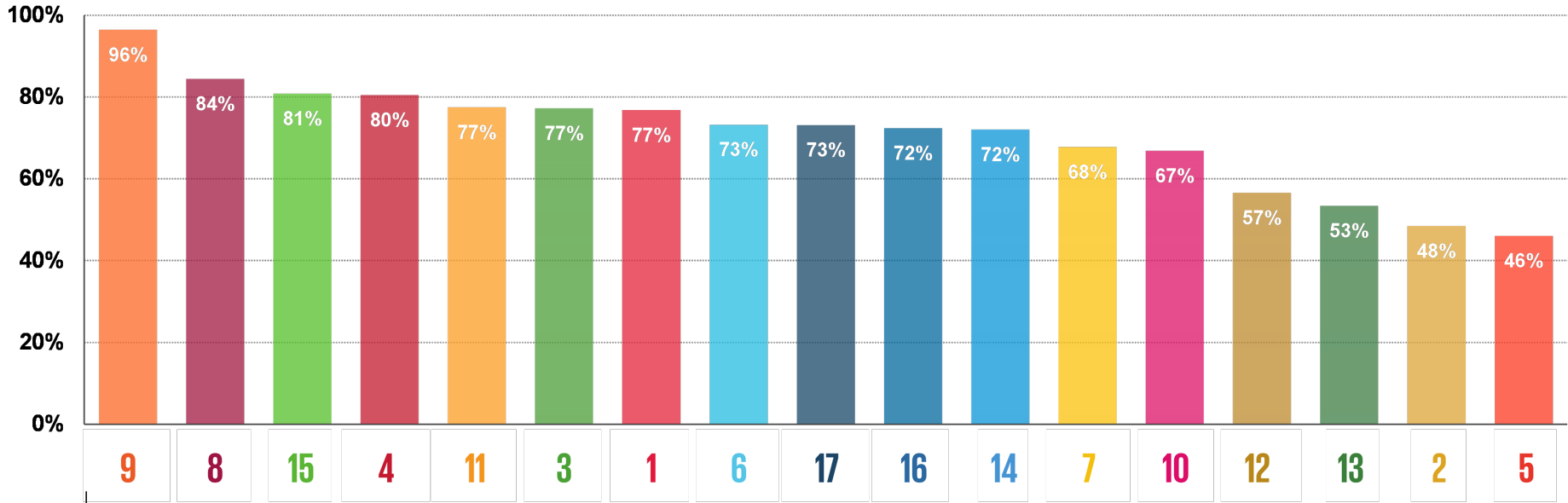


UNCRD has developed the package of SDG monitoring & evaluation with Nagoya City, Toyota City, and the private sector, which is designated as “SDG Acceleration Action”.



SDG Achievement Level in 2022 and Change between 2015 and 2022

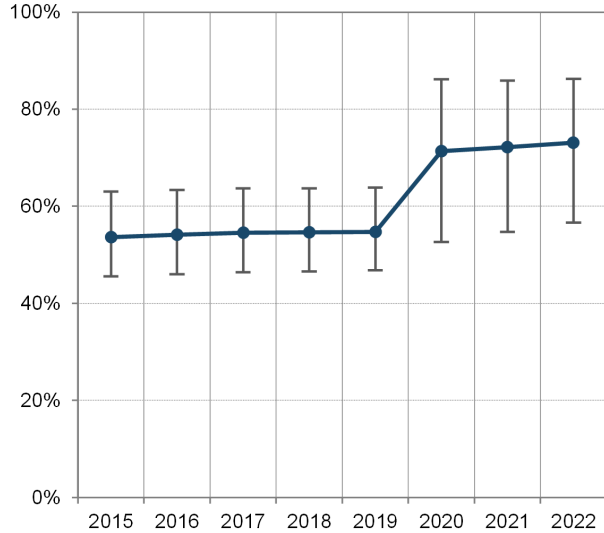
SDG Achievement Level 2022



SDG Achievement Trend 2015-2022

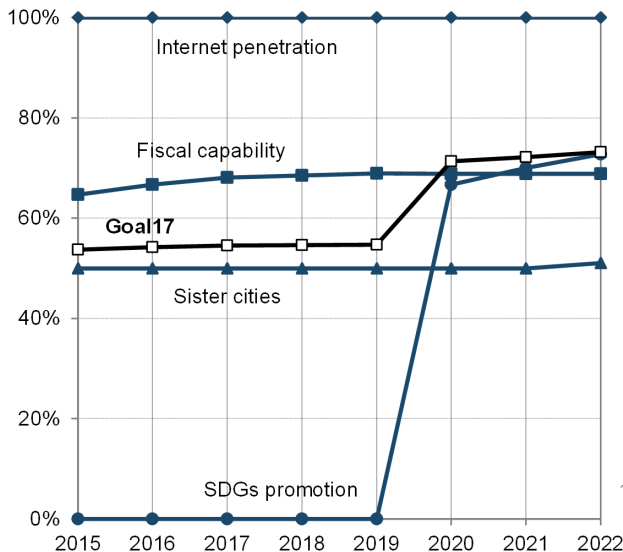
Analysis of SDG Achievement by Goal - Goal 17

■ Change and distribution of achievement level (2015→2022)

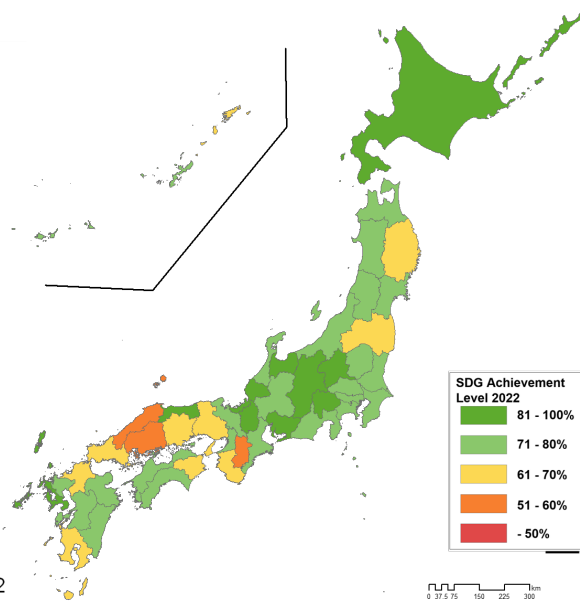


- The achievement level of Goal 17 **improved significantly** between 2015 and 2020.
- The achievement level **does not differ much among prefectures**, but it remains low in certain areas in the Tohoku, Kinki, and Chugoku regions.
- The change in the achievement level **greatly improved nationwide**.

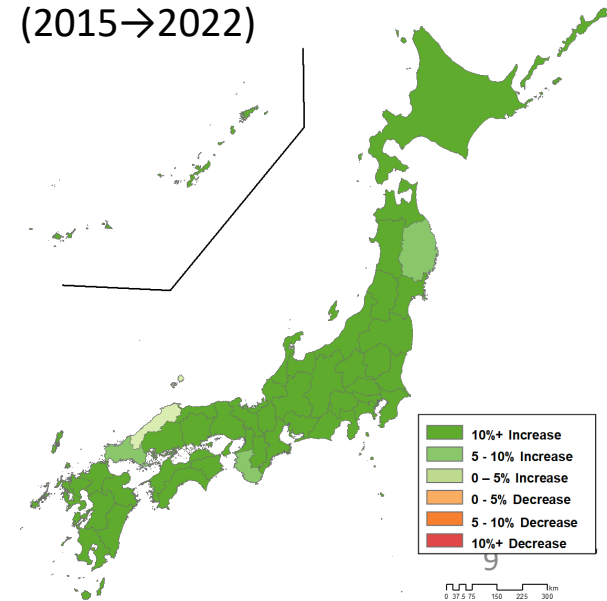
■ Change by indicator (2015→2022)



■ Distribution of achievement level in prefectures (2022)

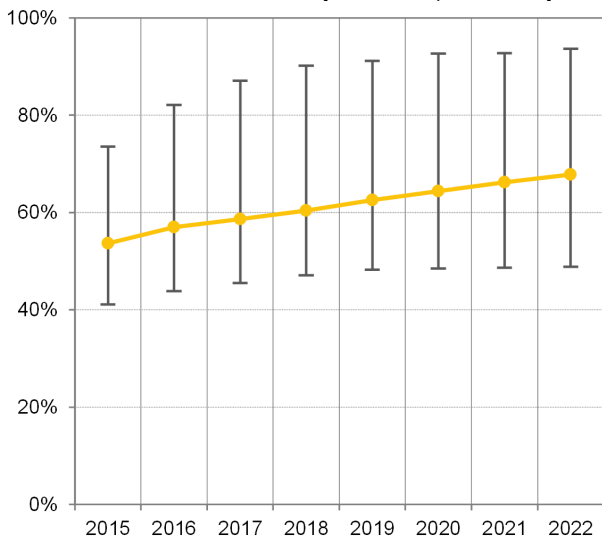


■ Distribution of change in achievement level in prefectures (2015→2022)



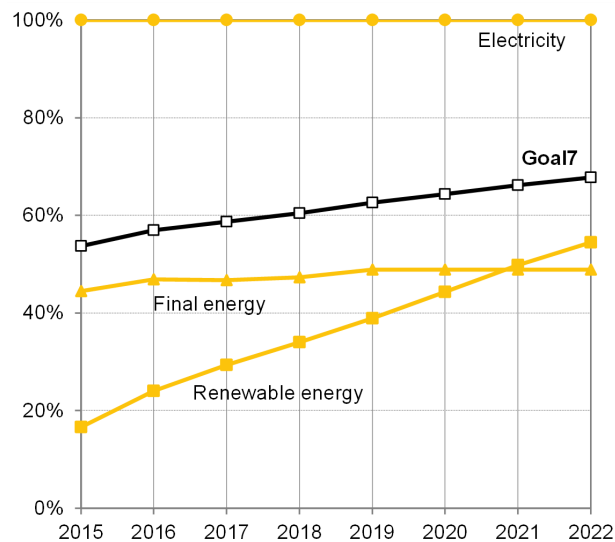
Analysis of SDG Achievement by Goal - Goal 7

Change and distribution of achievement level (2015→2022)

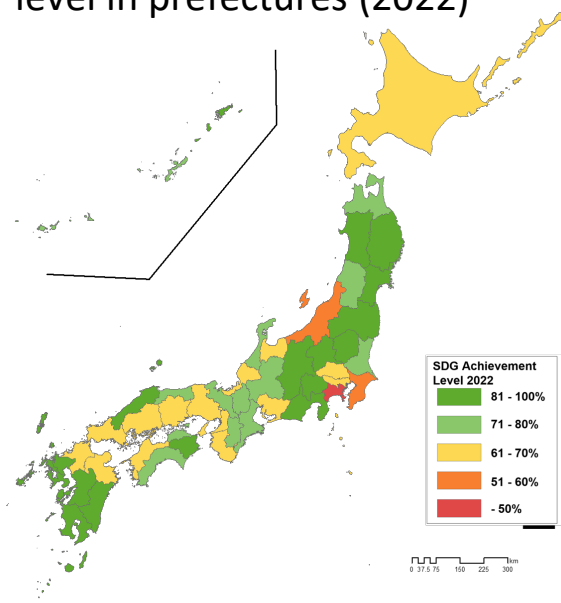


- The achievement level of Goal 7 shows a trend of **improvement** between 2015 and 2022, but **the disparity among prefectures slightly increased**. The achievement level is high in eastern Japan and the coastal regions, while it is low in large urban areas and around the Seto Inland Sea.
- **Renewable energy has been promoted** for the change by indicator, and the goal achievement level shows a trend of **significant improvement**.

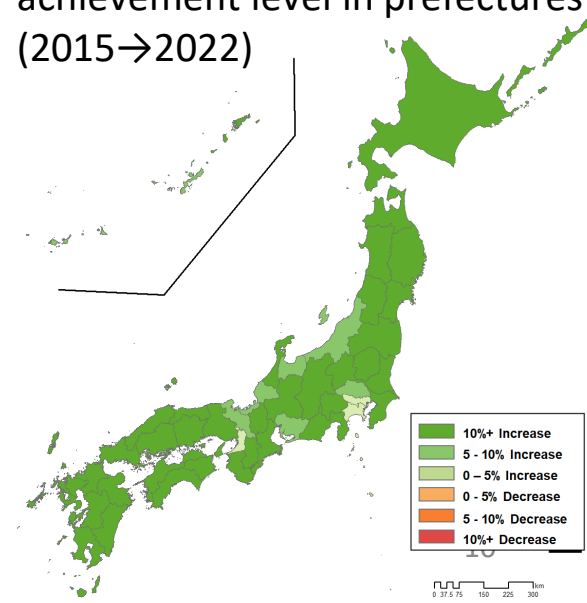
Change by indicator (2015→2022)



Distribution of achievement level in prefectures (2022)

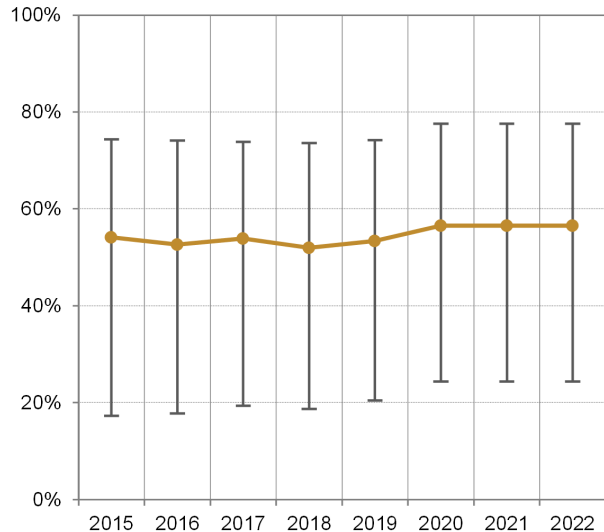


Distribution of change in achievement level in prefectures (2015→2022)



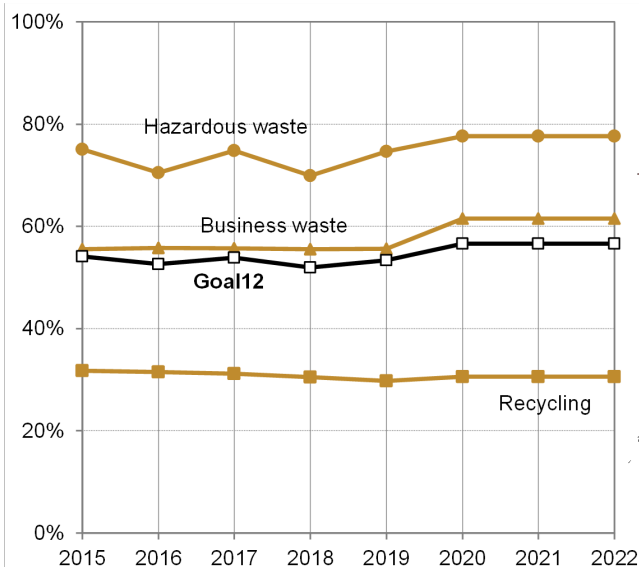
Analysis of SDG Achievement by Goal - Goal 12

■ Change and distribution of achievement level (2015→2022)

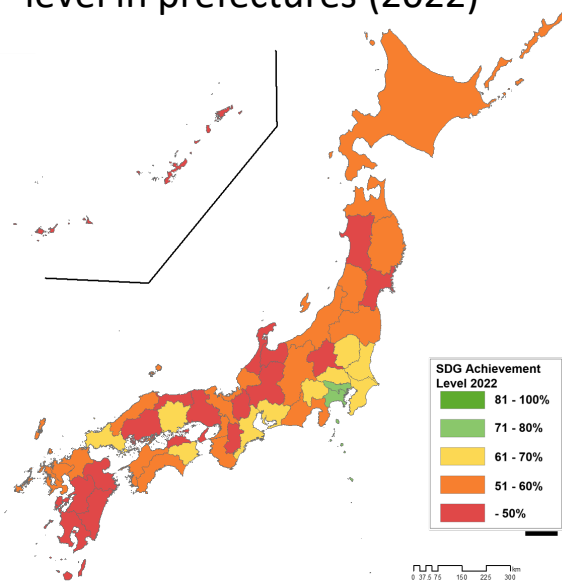


- The achievement level of Goal 12 was stable or **slightly decreased between 2015 and 2018** but has started to **show a trend of improvement since 2019**.
- For the change by indicator, the hazardous waste disposal rate and the amount of business waste generated show a positive trend while **the recycling rate is around 50%**.
- There is **a large difference** in the change in the achievement level among prefectures.

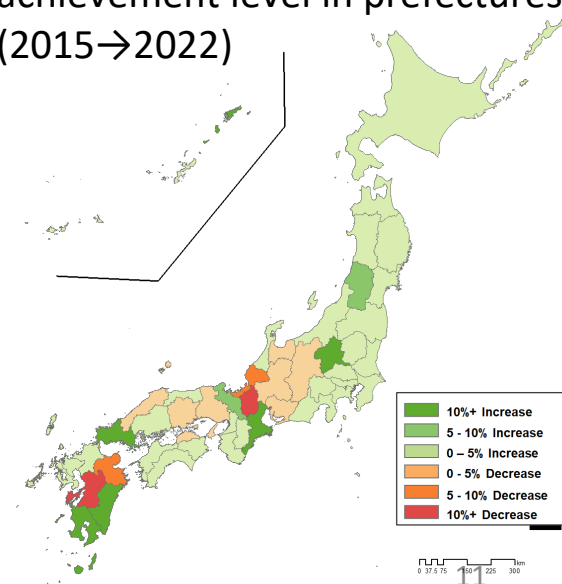
■ Change by indicator (2015→2022)



■ Distribution of achievement level in prefectures (2022)



■ Distribution of change in achievement level in prefectures (2015→2022)



SDGs Achievement in Samoa

Samoa's commitment to realizing the Agenda 2030 is evident since it is one of the SIDS countries that have submitted voluntary national reviews (VNRs) on SDGs achievement.

Samoa

Oceania



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SDG Dashboards and Trends

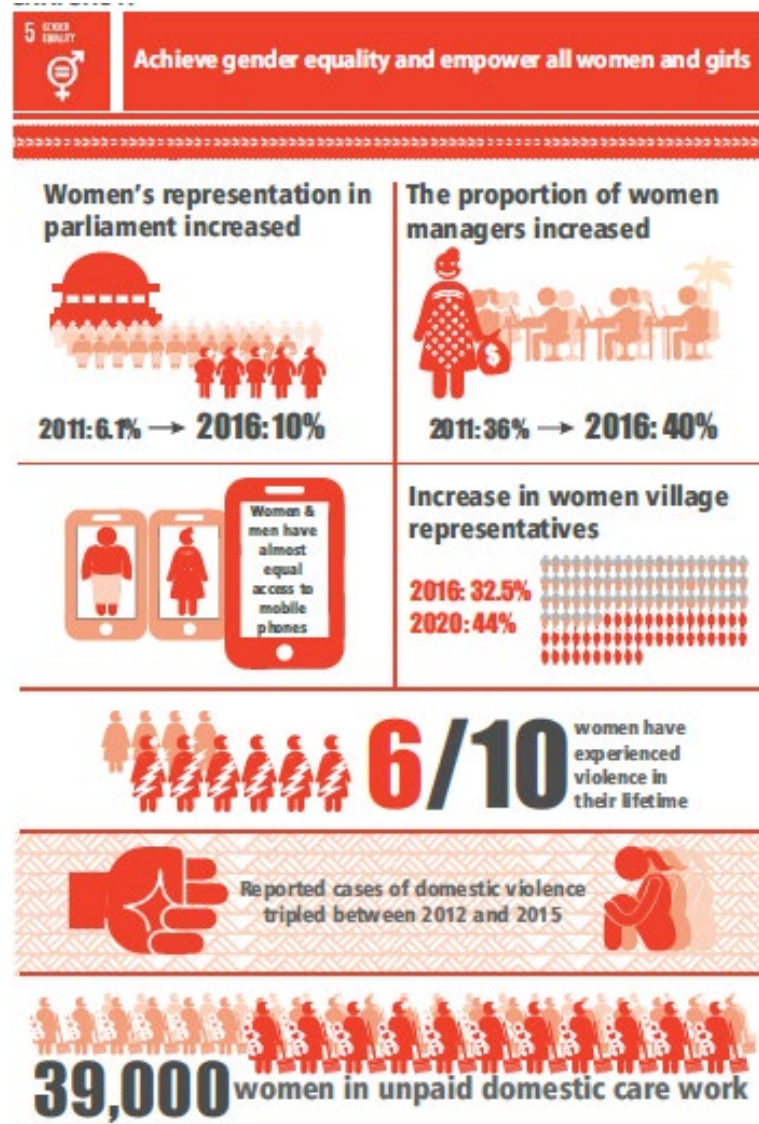
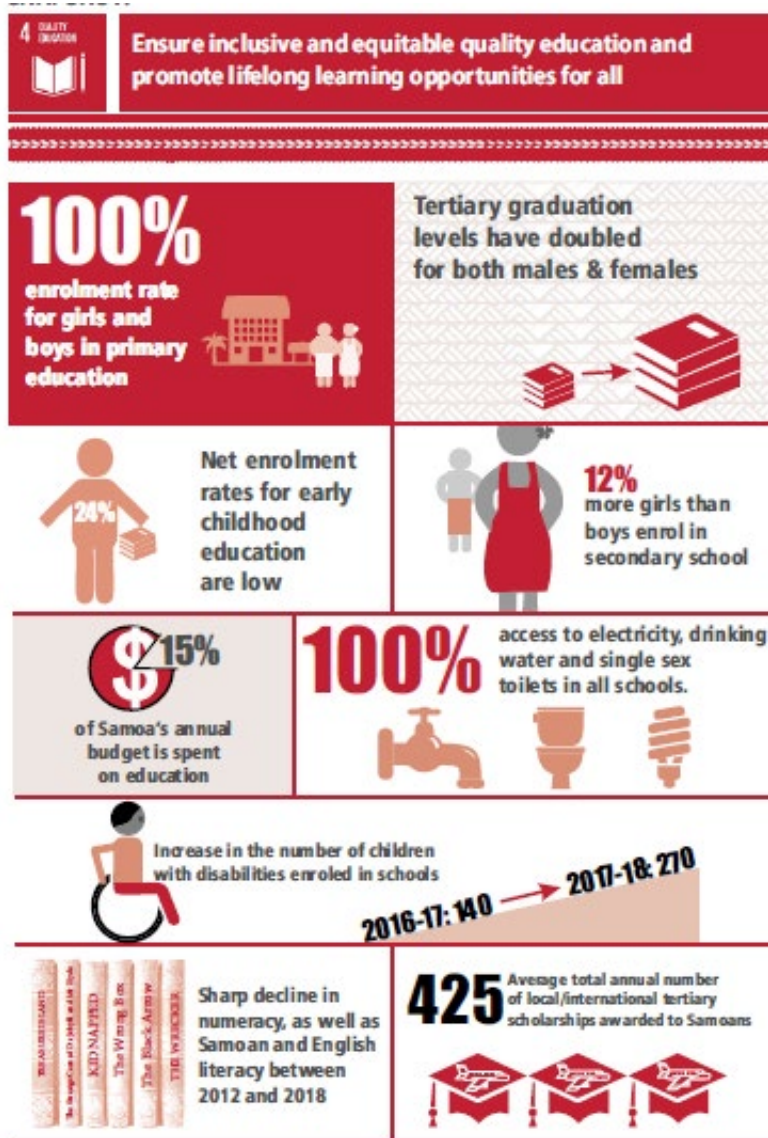


Dashboards: ● SDG achieved ● Challenges remain ● Significant challenges remain ● Major challenges remain ● Information unavailable

Trends: ↑ On track or maintaining SDG achievement ↗ Moderately improving → Stagnating ↓ Decreasing ** Trend information unavailable

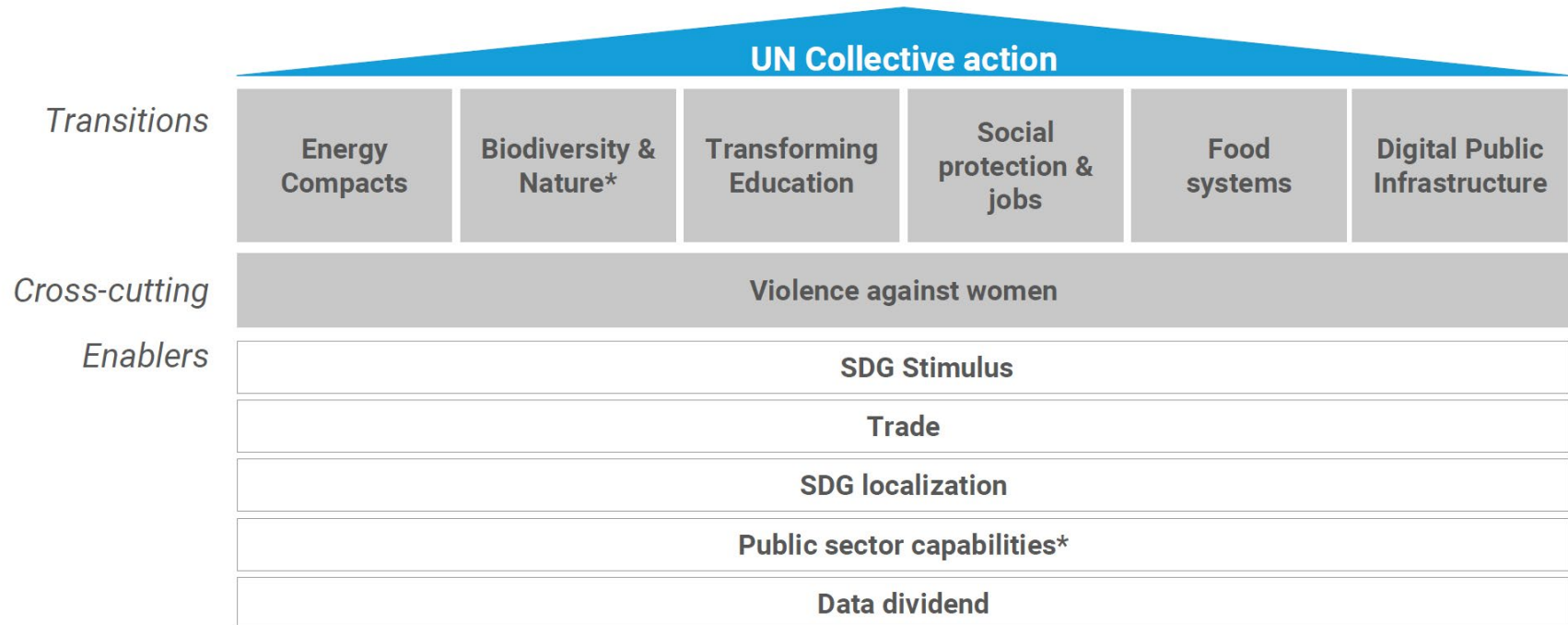
SDGs Achievement in Samoa

- Samoa **either on track or has achieved 47%** of the selected global and national indicators used to measure progress on implementing the Sustainable Development Goals (SDGs).



Achieving the SDGs: Second Halfway to 2030

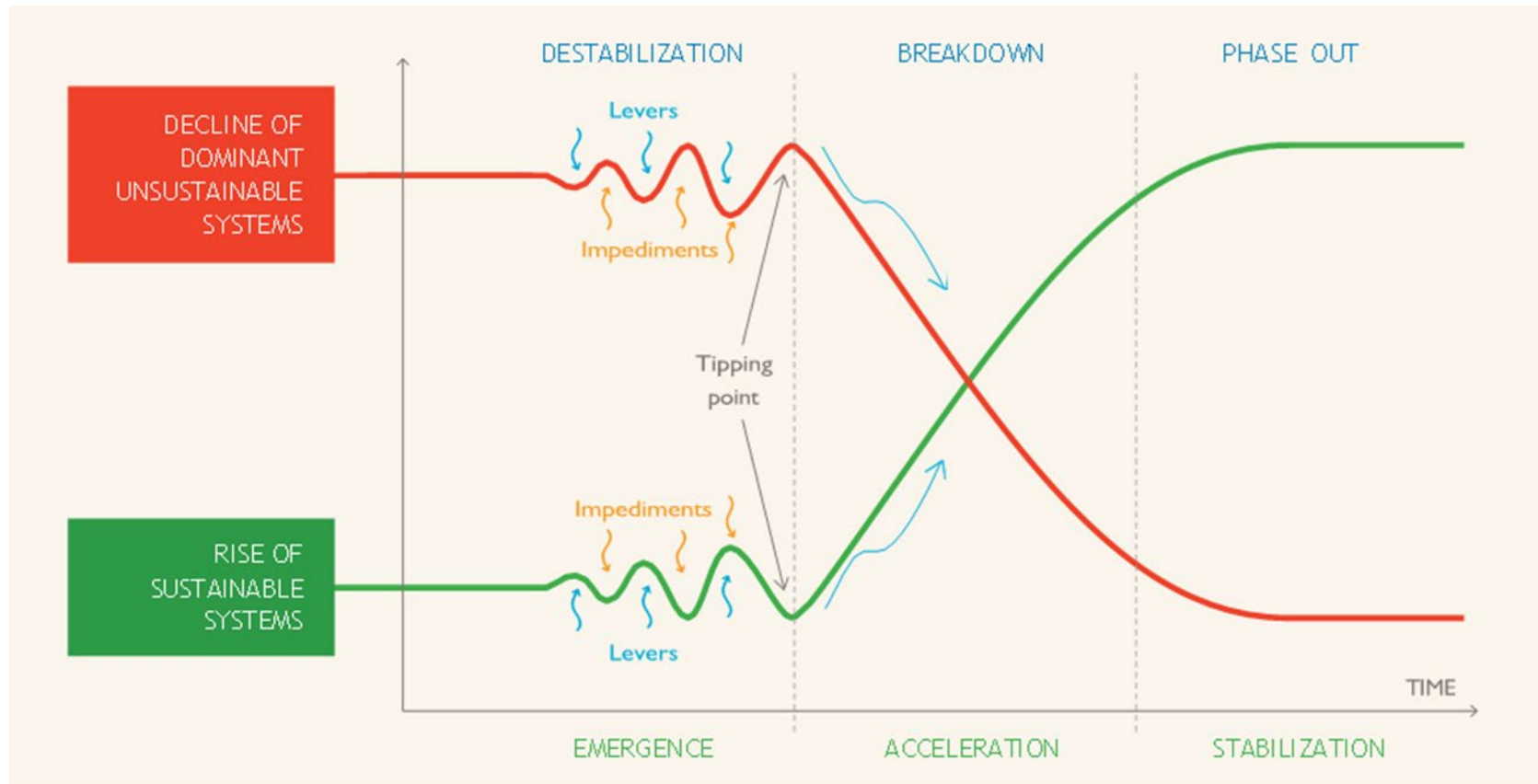
The selected initiatives address 6 transitions, 1 cross-cutting topic, and 5 enablers that will be key to driving progress on SDGs



Source: UN SDG Summit 2023 - Announcement on initiatives to accelerate the SDGs

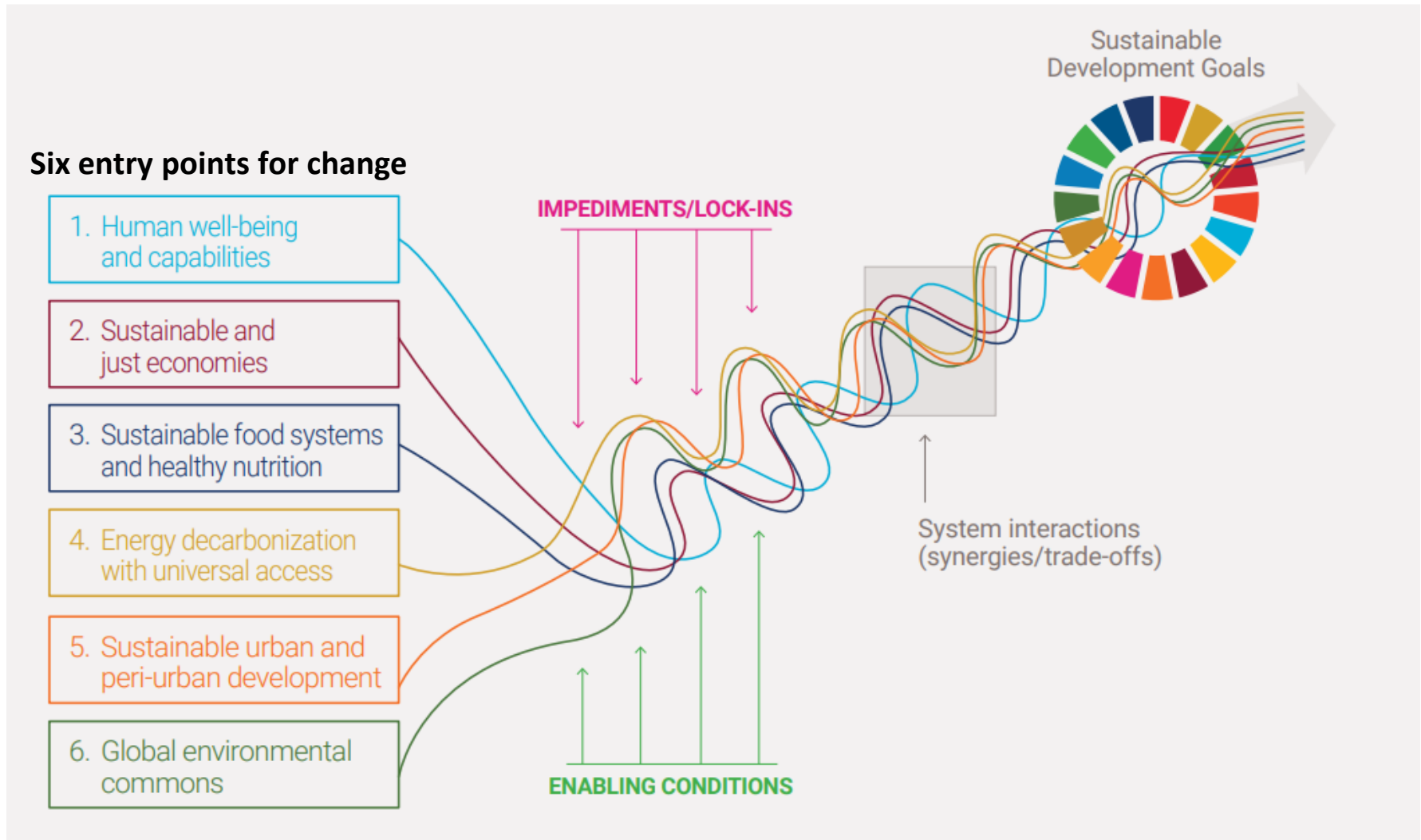
2023 Global Sustainable Development Report presents “S-Curve Transformations”

Achieving the SDGs requires transformations



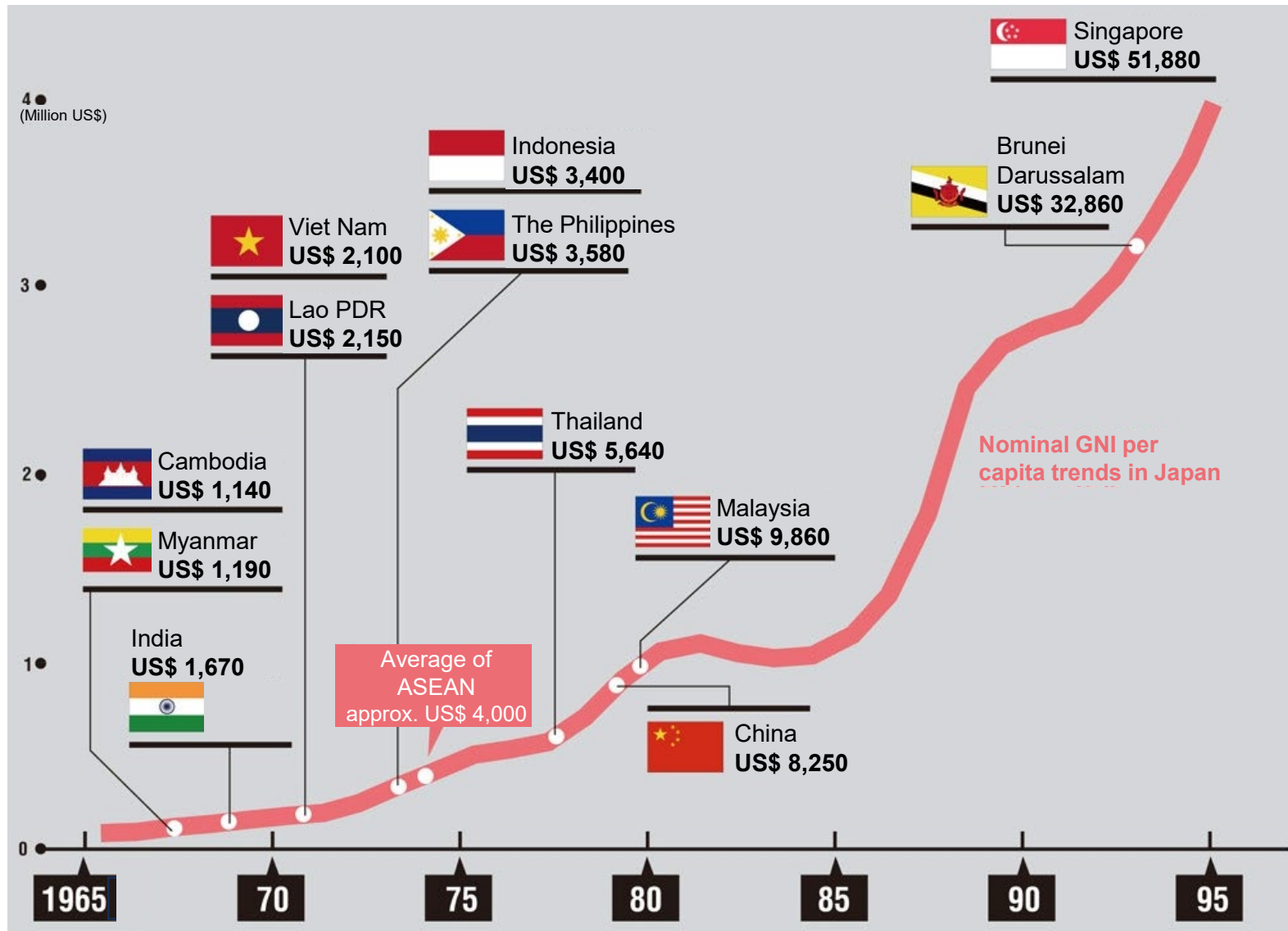
Source: United Nations, *Times of Crisis, Times of Changes: Science for accelerating transformations to sustainable development* (2023 Global Sustainable Development Report) (UN, 2023)

2023 Global Sustainable Development Report presents “S-Curve Transformations”



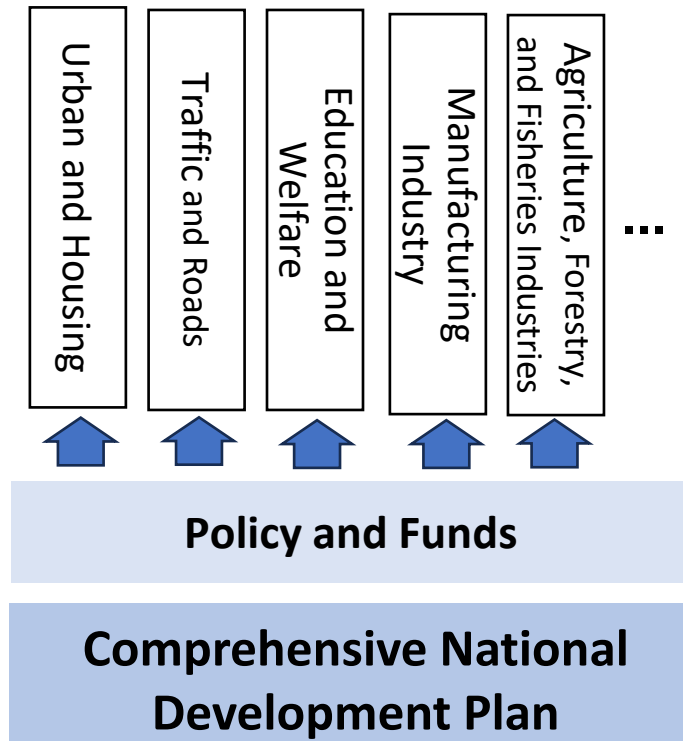
Source: United Nations, *Times of Crisis, Times of Changes: Science for accelerating transformations to sustainable development (2023 Global Sustainable Development Report)* (UN, 2023)

Comparison of Gross National Income (GNI) of Japan and Other Asian Countries in 2016



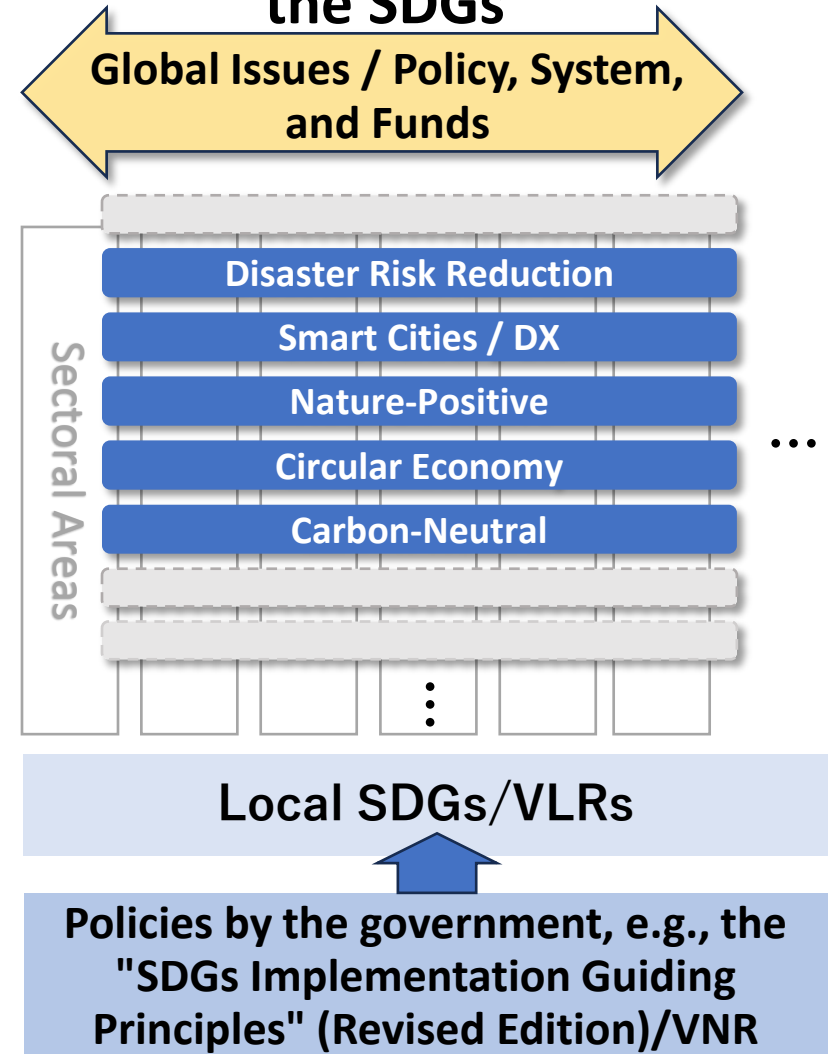
Development During Japan's High Growth Period and Sustainable Development

Regional development in Japan during the period of rapid economic growth



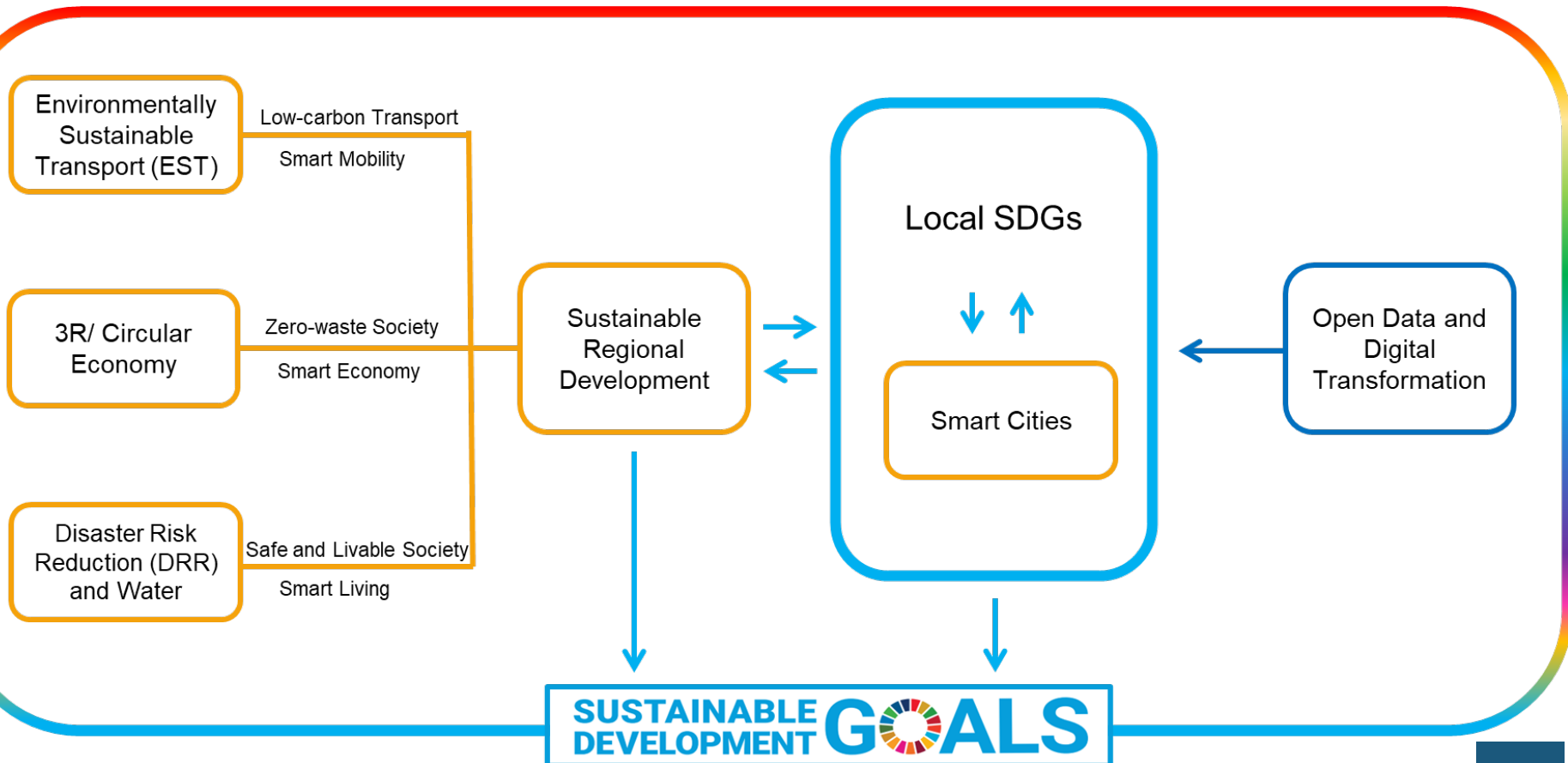
The long-term development plans for cities, roads, and social infrastructures were formulated under the Comprehensive National Land Development Act (1962-)

Approach to achieving the SDGs



UNCRD Activities for Promoting SDGs at Local Level

The United Nations Centre for Regional Development (UNCRD), which is a project of UN DESA, organizes/conducts the International Mayors Forum (IMF) in collaboration with UN DESA and UNOSD and Smart Cities Training Workshops to promote “Local SDGs” while working in UNCRD’s main thematic areas of EST, 3R/Circular Economy, and Water-related DRR in an integrated manner.



REGIONAL EST FORUM AND AICHI 2030 DECLARATION

Envisioning sustainable transport for Asia

Regional EST Forum

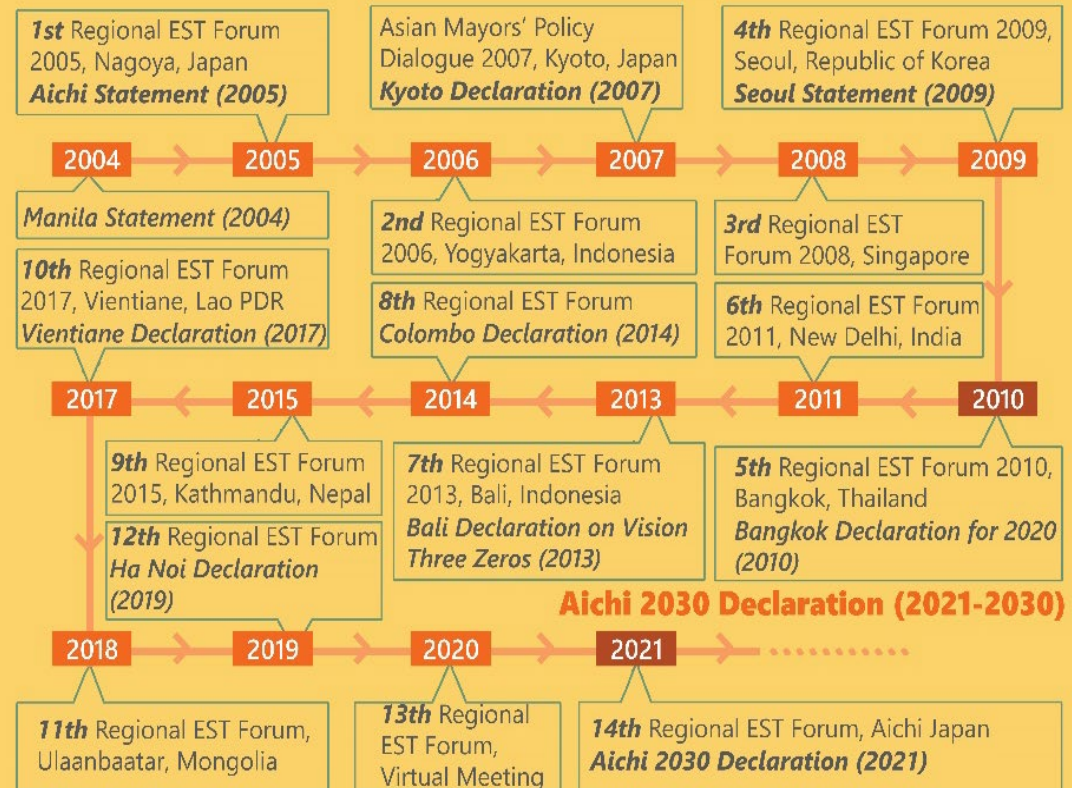
- Venue for high-level governmental decision-makers from Asian countries
- UNCRD, the secretariat of the EST Forum
- Currently there are 25 member countries of the EST Forum



Aichi 2030 Declaration

- A non-legal, non-binding declaration
- Adopted in 2021 at the 14th Regional EST Forum

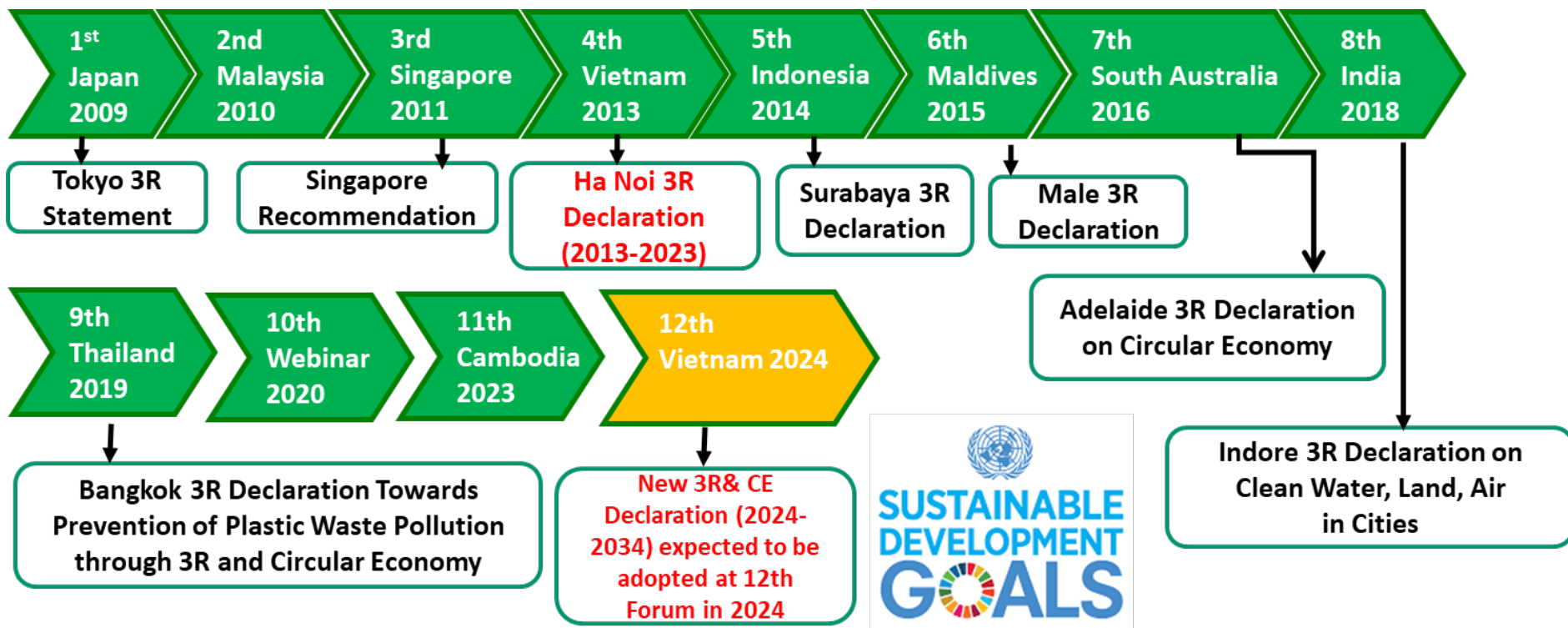
Regional EST Forum History



UNITED NATIONS CENTRE FOR REGIONAL DEVELOPMENT

Regional 3R and Circular Economy Forum in Asia and the Pacific

UNCRD brings up both the policy, scientific & research community & private sector to convene on an annual basis the high-level Regional 3R & Circular Economy Forum in Asia-Pacific to strengthen the science-policy interface in addressing 3R & resource efficiency as the basic for economic growth, pollution prevention and strengthening resilience of cities & communities to achieve the international agendas & agreements – SDGs, Paris Agreement, NUA, among others.



Disaster Risk Reduction and Water

Objective: To facilitate the efforts of DESA in coordinating and following-up the implementation of the water-related disaster risk reduction for the achievement of the SDGs and other related goals.

20th Meeting of the High-level Experts and Leaders Panel on Water and Disasters (HELP) and G20 Special Event in November 2022 in Bali, Indonesia



Handing over of the HELP Message to G20 Leaders

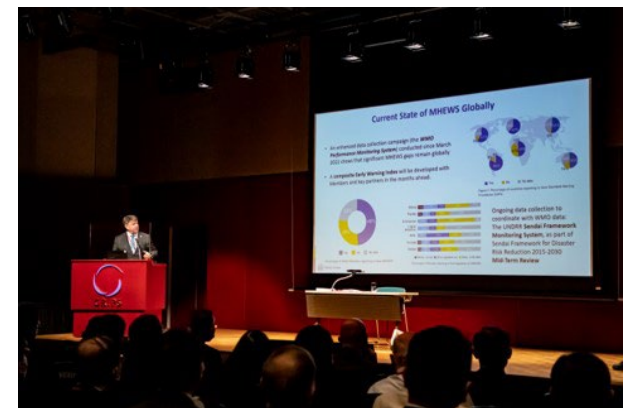
High-level Symposium on “Integrated Water Cycle Management in the post-COVID-19 era” at the 9th International Conference on Flood Management (ICFM9) in February 2023 in Tokyo, Japan



HM the Emperor of Japan



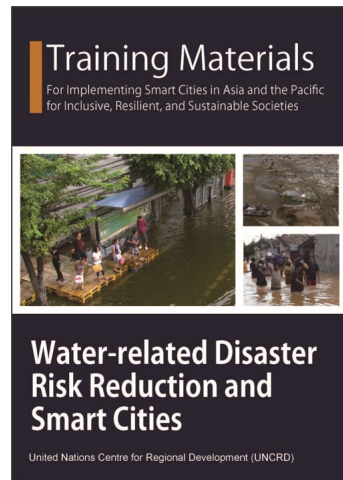
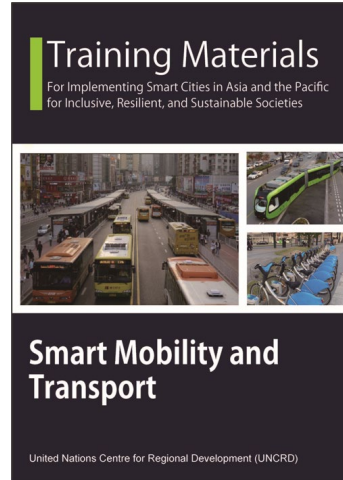
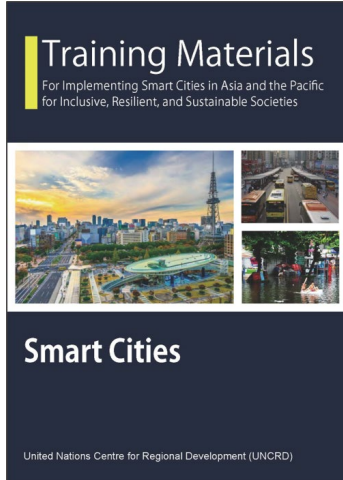
Video Message from DESA USG Li



Presentation by WMO SG Taalas

Smart Cities

Smart Cities Training Materials for Implementing Smart Cities in Asia and the Pacific for Inclusive, Resilient, and Smart Communities (August 2022)



Training Material on Eco Cities will be released soon.

International Training Workshop on Smart Cities for Building Inclusive, Resilient, Livable, and Sustainable Cities and Communities in Asia and the Pacific

(29 August-1 September 2023, Nagoya, Japan)



20 participants from 17 cities in 9 countries in Asia and the Pacific



Learning from initiatives of Toyota City

Thank

You

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**United Nations
Centre for Regional
Development
(UNCRD)**

