Mainstreaming Disaster Risk Management in Government Institutions

Session 2.2 Disaster Risk Reduction (DRR), Climate Change Adaptation (CCA): The Sustainable Development Goals (SDGs) and Paris Climate Agreement

Session Objectives

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At the end of this session, participants should able to:

- Discuss importance of Sustainable Development Goals (SDGs) and Paris Climate Agreement

Outline

- What is the 2030 Agenda for Sustainable Development Goals (SDGs)?
- How are the Sustainable Development Goals linked with DRR?
- What is Paris Agreement on Climate Change?
- How is Paris Agreement linked with DRR?
- Risk-Informed Sustainable Development: Linking Global Agendas
- Connecting Sustainable Development, Climate Change, and DRR

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- What is the 2030 Agenda for Sustainable Development Goals (SDGs)?

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What is the 2030 Agenda for Sustainable Development Goals (SDGs)?

- Adopted by the United Nations in 2015 as a universal call to action to **end poverty, protect the planet**, and ensure that by 2030 all people enjoy **peace** and **prosperity**

- The **17 SDGs** to help end extreme poverty, fight inequality, combat climate change, and **build resilience to disasters**

How are the Sustainable Development Goals linked with DRR? (i)

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TARGET 1.5: By 2030, build **resilience** of the poor and those in vulnerable situations and **reduce** their **exposure** and **vulnerability** to climate-related extreme events and other economic, social and environmental shocks and disasters.

TARGET 2.4: By 2030, ensure sustainable food production systems to implement **resilient** agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, **drought**, **flooding** and other **disasters** and that progressively improve land and soil quality.

How are the Sustainable Development Goals linked with DRR? (ii)

TARGET 3.D: Strengthen the capacity of all countries, in particular developing countries, for **early warning**, **risk reduction** and management of national and global health risks.

TARGET 4.A: Build and upgrade educational facilities that are child, disability and gender sensitive and provide **safe**, non-violent, inclusive and effective environment for all.

How are the Sustainable Development Goals linked with DRR? (iii)

TARGET 6.6: By 2020, **protect** and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes.

TARGET 9.1: Develop quality, reliable, sustainable and **resilient** infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access to all.

How are the Sustainable Development Goals linked with DRR? (iv)

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

TARGET 9.A: Facilitate sustainable and **resilient** infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States.

11 SUSTAINABLE CITIES AND COMMUNITIES

TARGET 11.5: By 2030, significantly reduce the number of **deaths** and the number of people affected and substantially decrease the direct **economic losses** relative to GDP caused by disasters, including **water related disasters**, with focus on protecting the poor and people in **vulnerable** situations.

How are the Sustainable Development Goals linked with DRR? (v)

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11 SUSTAINABLE CITIES AND COMMUNITIES

TARGET 11.B: By 2020 substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion resources efficiency, **mitigation** and adaptation to climate change, **resilience to disasters**, and develop and implement, in line with the SFDRR, holistic **disaster risk management** at all levels.

13 CLIMATE ACTION

TARGET 13.1: Strengthen **resilience** and adaptive capacity to climate-related **hazards** and **natural disasters** in all countries.

TARGET 13.3: Improve education, awareness raising and human and institutional capacity on climate change, **mitigation**, adaptation, impact reduction and **early warning**.

How are the Sustainable Development Goals linked with DRR? (vi)

TARGET 14.2: 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.
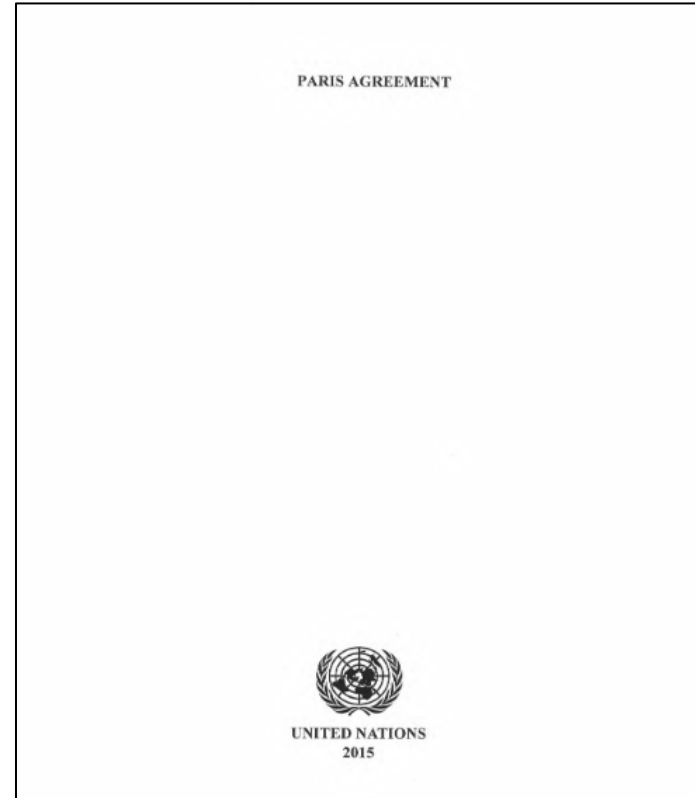

TARGET 15.3: By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, **drought** and **floods**, and strive to achieve a land degradation-neutral world.

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What is Paris Agreement on Climate Change?

- **Legal** binding agreement on the global response to **climate change**; **adaptation**, **mitigation** and finance

- Adoption of the Paris Agreement, Decision 1/CP.21, makes an explicit reference to both the **2030 SDGs Agenda** and the **Sendai Framework**
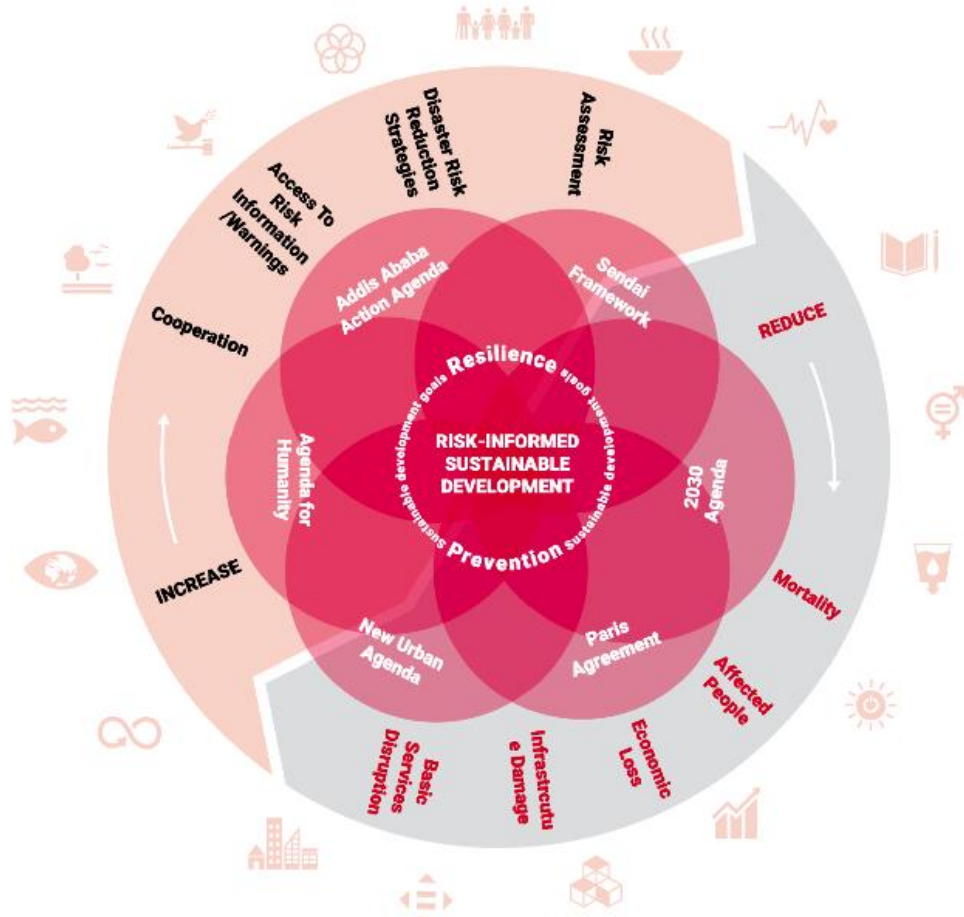
PARIS AGREEMENT

UNITED NATIONS
2015

How is Paris Agreement linked with DRR?

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*Article 7.1 mentions that Parties hereby establish the global goal on adaptation of enhancing adaptive capacity, strengthening **resilience** and reducing **vulnerability** to climate change (United Nations, 2015)*

*Article 8.1 recognizes the importance of averting, minimizing and addressing loss and damage associated with the adverse effects of climate change, including **extreme weather events** and **slow onset events** (United Nations, 2015)*
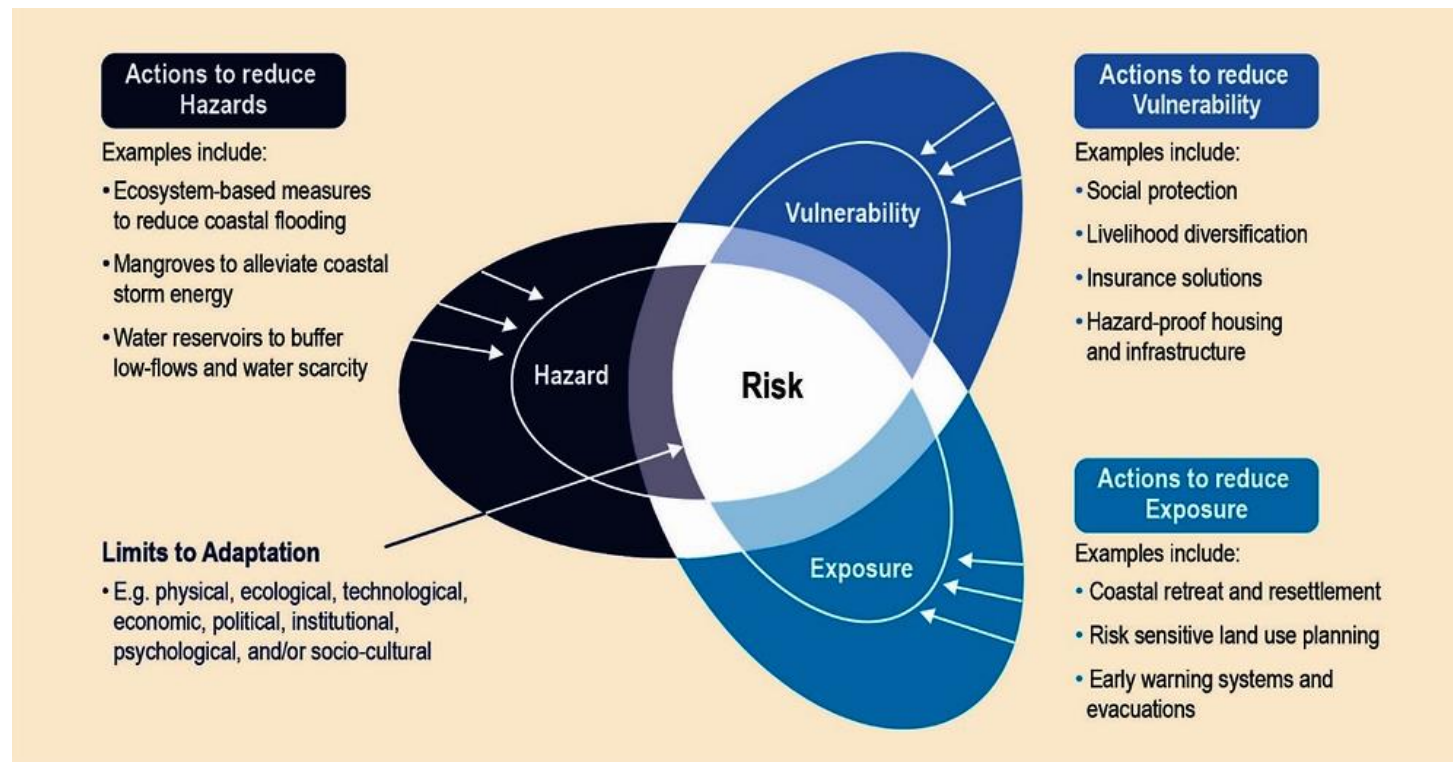
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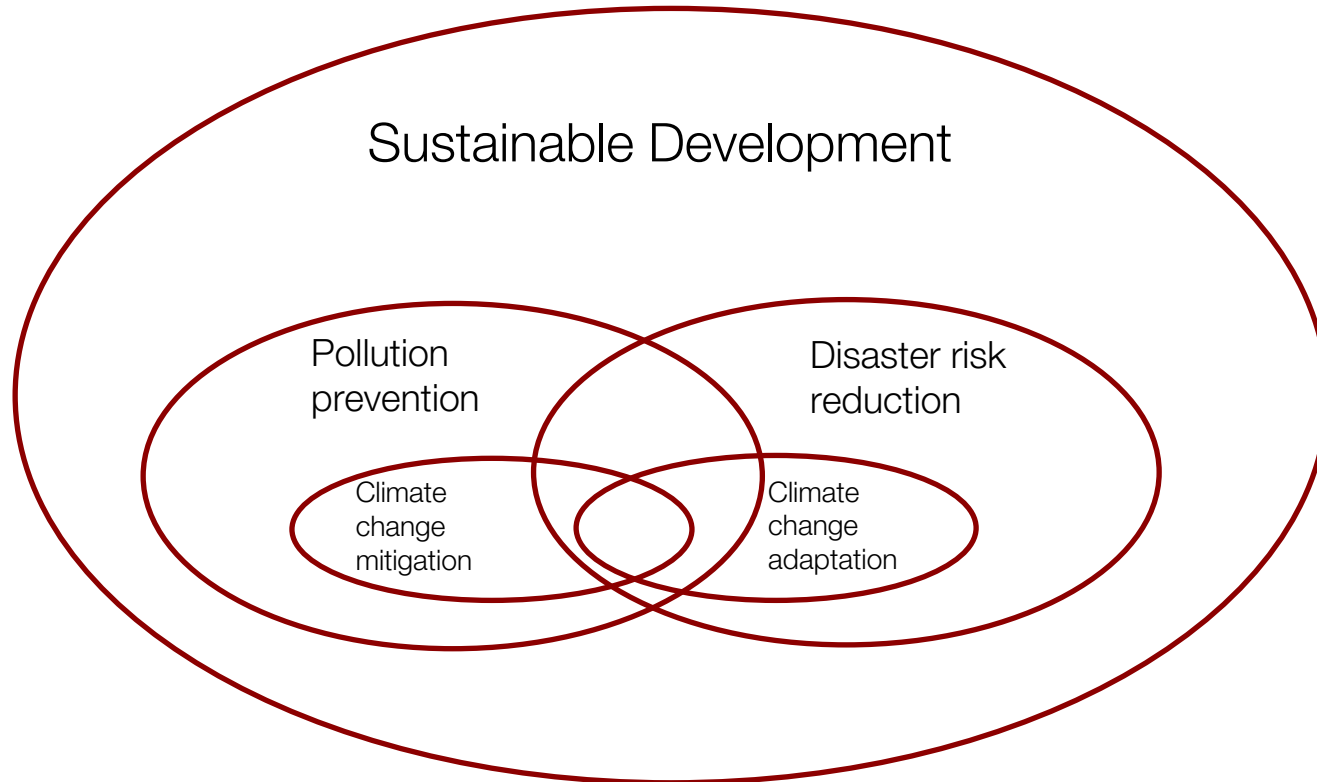# Risk-Informed Sustainable Development: Linking Global Agendas

Source: UNDRR, 2019

Connecting Climate Change and Disaster Risk Reduction

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IPCC risk-based conceptual framework

Connecting Sustainable Development, Climate Change and Disaster Risk Reduction

Sustainable Development

Pollution prevention

Disaster risk reduction

Climate change mitigation

Climate change adaptation

Source: Kelman, 2017

References

- Kelman, I. (2017). Linking disaster risk reduction, climate change, and the sustainable development goals, *Disaster Prevention and Management*, Vol. 26 No. 3, pp. 254-258. https://doi.org/10.1108/DPM-02-2017-0043
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