

Disaster Risk Reduction

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UNDRR

UN Office for Disaster Risk Reduction



SENDAI FRAMEWORK

FOR DISASTER RISK REDUCTION 2015-2030

Concepts defined (1/2)

- **Disaster** - a serious disruption of the functioning of a community/ society at any scale due to hazardous events interacting with conditions of exposure, vulnerability and capacity
- **Risk** - potential loss of life, injury, or destroyed or damaged assets which could occur to a system, society or a community in a specific period of time, determined probabilistically as a function of hazard, exposure, vulnerability and capacity

Concepts defined (2/2)

- **Disaster risk reduction** - concept and practice of reducing disaster risks through systematic efforts to analyse and reduce the causal factors of disasters
- **Prevention** - activities and measures to avoid existing and new disaster risks
- **Resilience** -ability of a system exposed to hazards to resist, absorb, accommodate, adapt to, transform and recover from the effects of a hazard in a timely and efficient manner

Moving from managing disaster to managing risk

- Review of DRR progress (prior to Sendai Framework adoption) highlighted need to **shift from managing disasters to managing underlying risk** driving disaster events
- Many **drivers of disaster events**: poverty, location, gender, weak institutions, lack of financial resources to undertake risk-informed development
- Key element of managing disaster risk is to **reduce poverty**

CURRENT CONTEXT

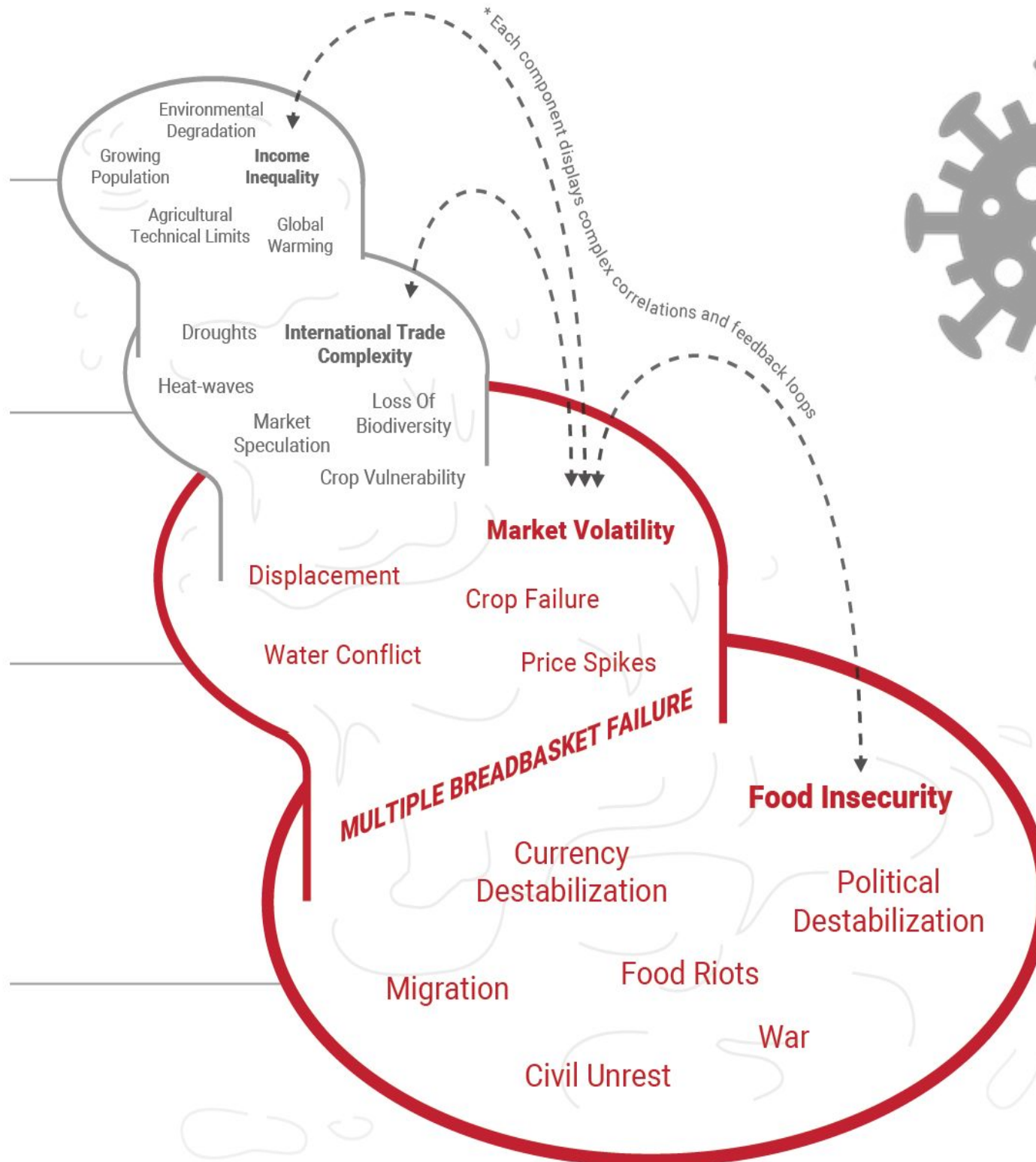
Capacity to absorb negative events is being reduced slowly (e.g. population growth pushing the limits of agricultural technology)

BUILDING STRESSORS

SUDDEN AND GRADUAL TIPPING POINTS

An event of great magnitude or multiple failures at the same time could suddenly exceed all remaining capacity

SYSTEMIC FAILURE



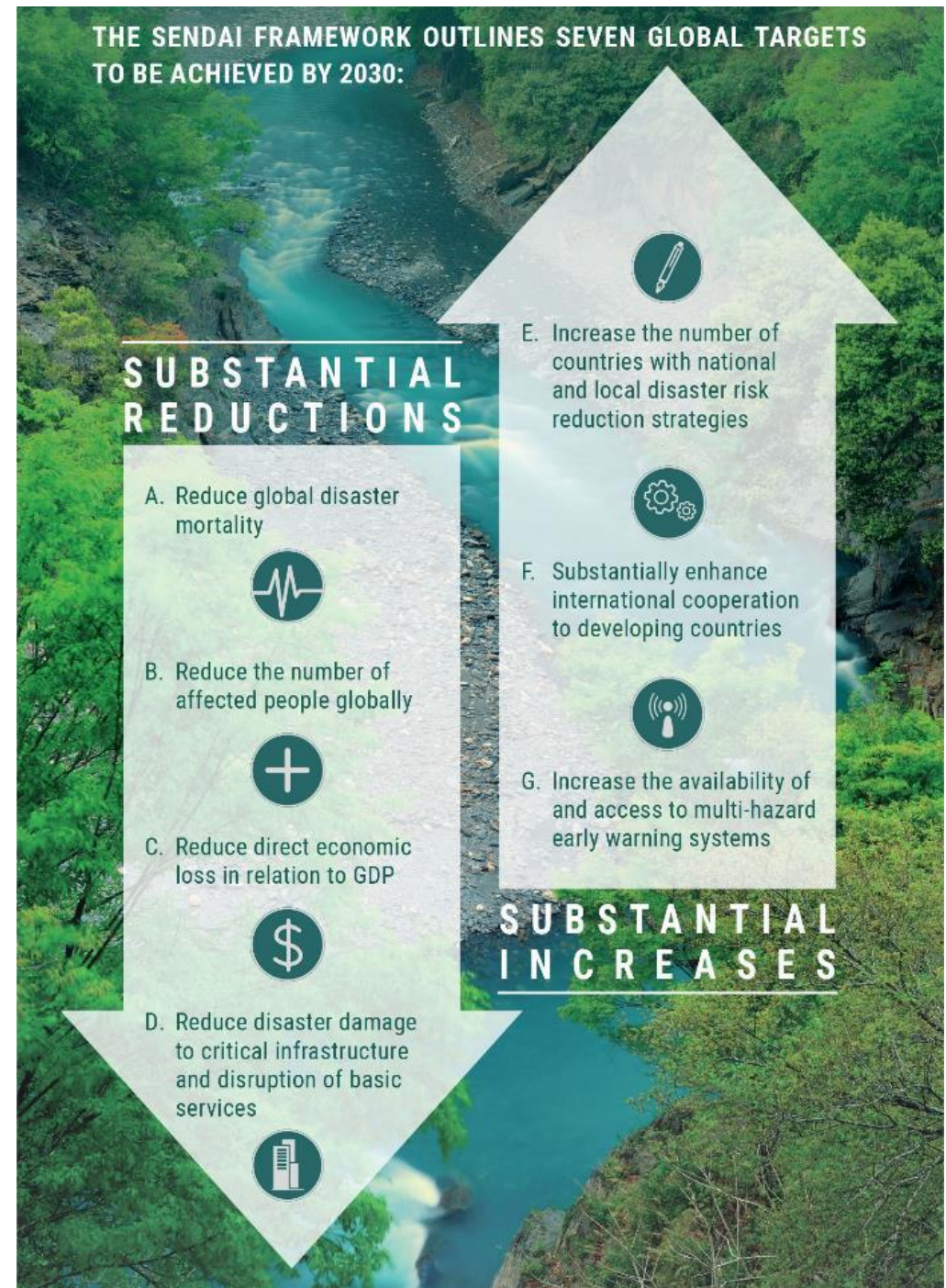


The Sendai Framework (1/2)

- A detailed blueprint for how the world can achieve a substantial reduction in disaster risk and loss by 2030
- Priorities for action include:
 - Improved **understanding of disaster risk**
 - Strengthening disaster **risk governance** to manage disaster risk
 - Investing in **disaster risk for resilience**
 - Improving **disaster preparedness** for more effective emergency response and building back better

The Sendai Framework (2/2)

- **Seven global targets** to be achieved by 2030
- **Sendai Seven Campaign - 7 Targets in 7 Years (2016-2022)**



Climate Change and DRR

- **Extreme weather events account for 90% of major disaster events**
- **6th IPCC Assessment Report Findings:**
 - Human-induced climate change is leading to weather and climate extremes in every region.
 - Global warming may increase by 1.5°C by the early 2030s, much earlier than predicted.
 - A warmer climate will result in increased heat waves, longer warm seasons, shorter cold seasons and more intense floods and droughts.
 - With every additional increment of global warming, changes in extremes become larger. For each 1°C of global warming, extreme daily precipitation events may intensify by about 7%.

UNDRR Policy Brief: DRR and Climate Change

■ Challenges

- Current mitigation trajectories are leading to unmanageable disaster risk
- Investment in risk-informed adaptation is lagging
- Action to manage long-term impacts and residual risks is inadequate
- Investment and financial systems are not fit for purpose
- Climate change and disasters are reinforcing inequalities

UNDRR Policy Brief: DRR and Climate Change

■ Policy Recommendations

- Galvanize political leadership and momentum
- Scale up comprehensive disaster and climate risk management
- Empower communities, mobilize society to ensure no one is left behind
- Invest in sustainable, resilient infrastructure systems
- Promote innovative investments and financing mechanisms
- Ensure behavioral change through science, evidence and effective communication

Resources

- The **Global Assessment Report on Risk** (GAR19) is the UN's preeminent publication on risk: what we need to know now, and what is important for the future. For the full report, please visit: <https://gar.unisdr.org/>
- UNDRR manages **PreventionWeb**, the world's only online DRR knowledge hub. Visited by more than 100,000 users/month, it hosts a range of up-to-date resources: articles, training courses, education materials, etc. that explore the many facets of DRR. For background reading materials on the DRR and humanitarian nexus from leading academics and institutions, please visit:
<https://www.preventionweb.net/collections/humanitarian-DRR>
- UNDRR publishes the **Words Into Action** series, a series of practical guidebooks to implementing the Sendai Framework, co-developed with our partners. For the latest WiA publications, including "Displacement and Disaster Risk", please visit:
<https://www.preventionweb.net/sendai-framework/wordsintoaction>

Thank you

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