

ICES Biennial Workshop V

Geneva

3rd December, 2019

Marc Gordon

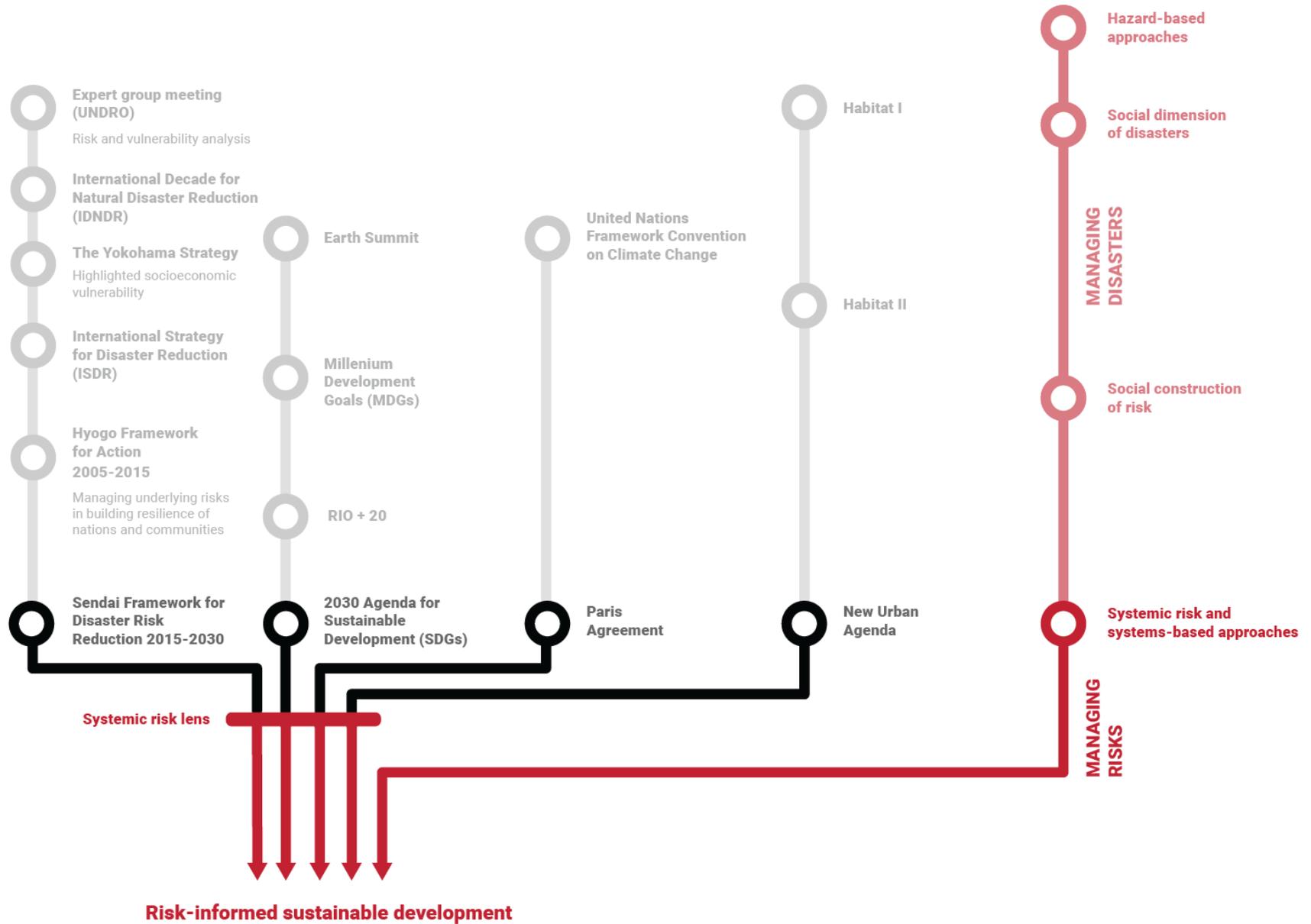
Scott Williams



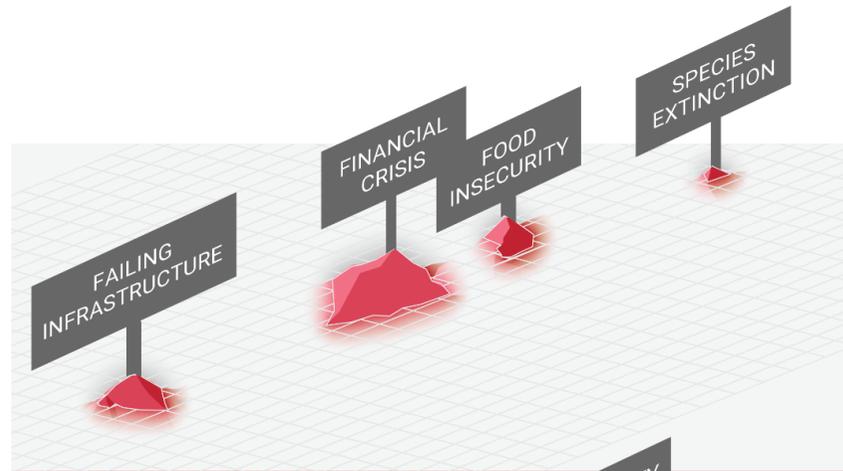

SENDAI FRAMEWORK
FOR DISASTER RISK REDUCTION 2015-2030



1950
1960
1970
1980
1990
2000
2010
2015
2020
2030
2040
2050
2060



**Realization
of risk**



Context



Driven by



CURRENT CONTEXT

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

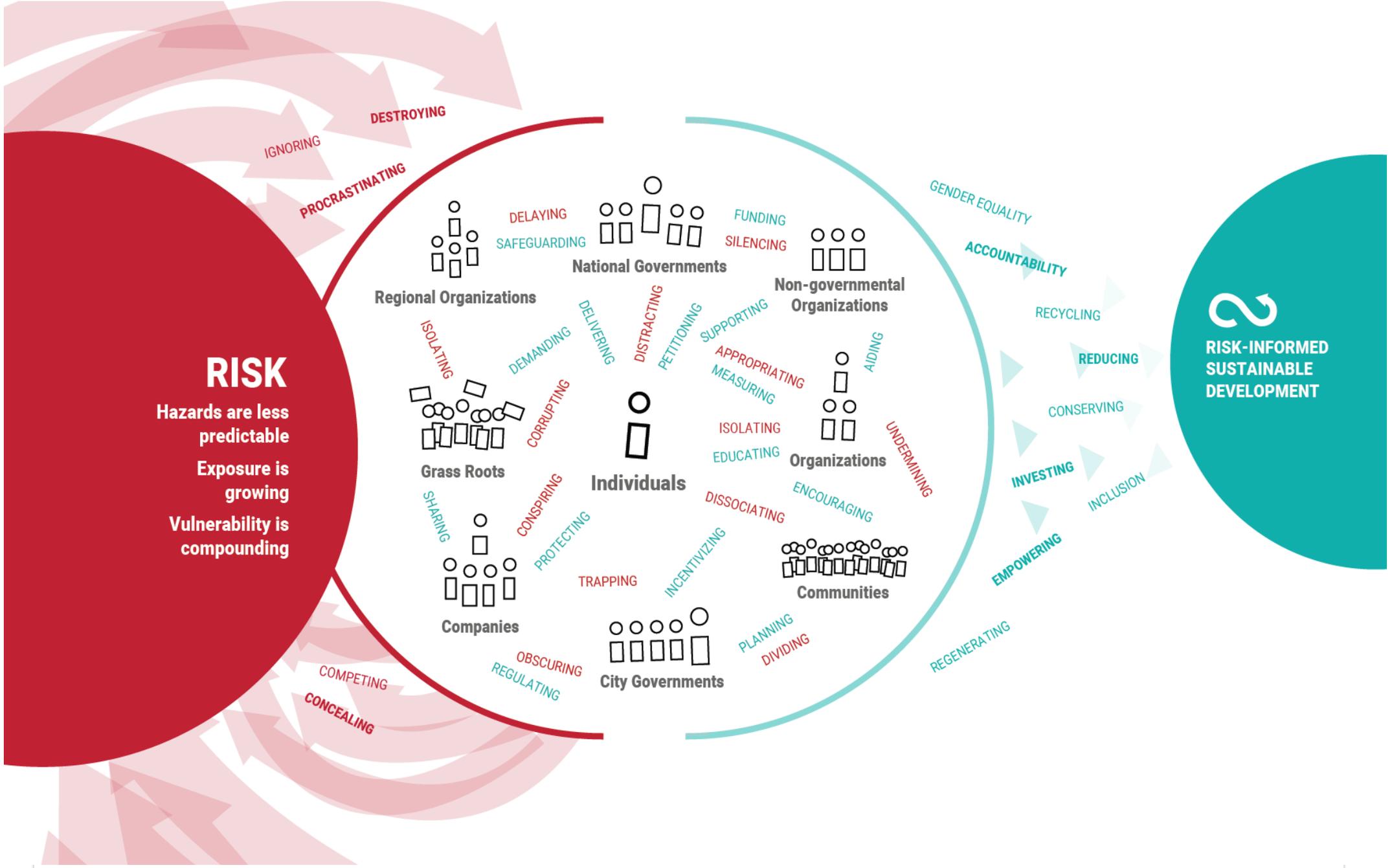
BUILDING STRESSORS

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





RISK

Hazards are less predictable
 Exposure is growing
 Vulnerability is compounding

IGNORING
 DESTROYING
 PROCRASTINATING

COMPETING
 CONCEALING

National Governments
 DELAYING, SAFEGUARDING, FUNDING, SILENCING

Regional Organizations
 ISOLATING, DEMANDING, DELIVERING, DISTRACTING, PETITIONING

Non-governmental Organizations
 SUPPORTING, APPROPRIATING, MEASURING, AIDING, UNDERMINING

Grass Roots
 CORRUPTING, ISOLATING, EDUCATING

Individuals
 CONSPIRING, TRAPPING, INCENTIVIZING, DISSOCIATING, ENCOURAGING

Organizations
 EDUCATING, ENCOURAGING

Companies
 SHARING, CONSPIRING, PROTECTING, TRAPPING, INCENTIVIZING, DISSOCIATING, ENCOURAGING

Communities
 INCENTIVIZING, DISSOCIATING, ENCOURAGING

City Governments
 OBSCURING, REGULATING, PLANNING, DIVIDING

GENDER EQUALITY
 ACCOUNTABILITY
 RECYCLING
 REDUCING
 CONSERVING
 INVESTING
 INCLUSION
 EMPOWERING
 REGENERATING



**RISK-INFORMED
 SUSTAINABLE
 DEVELOPMENT**

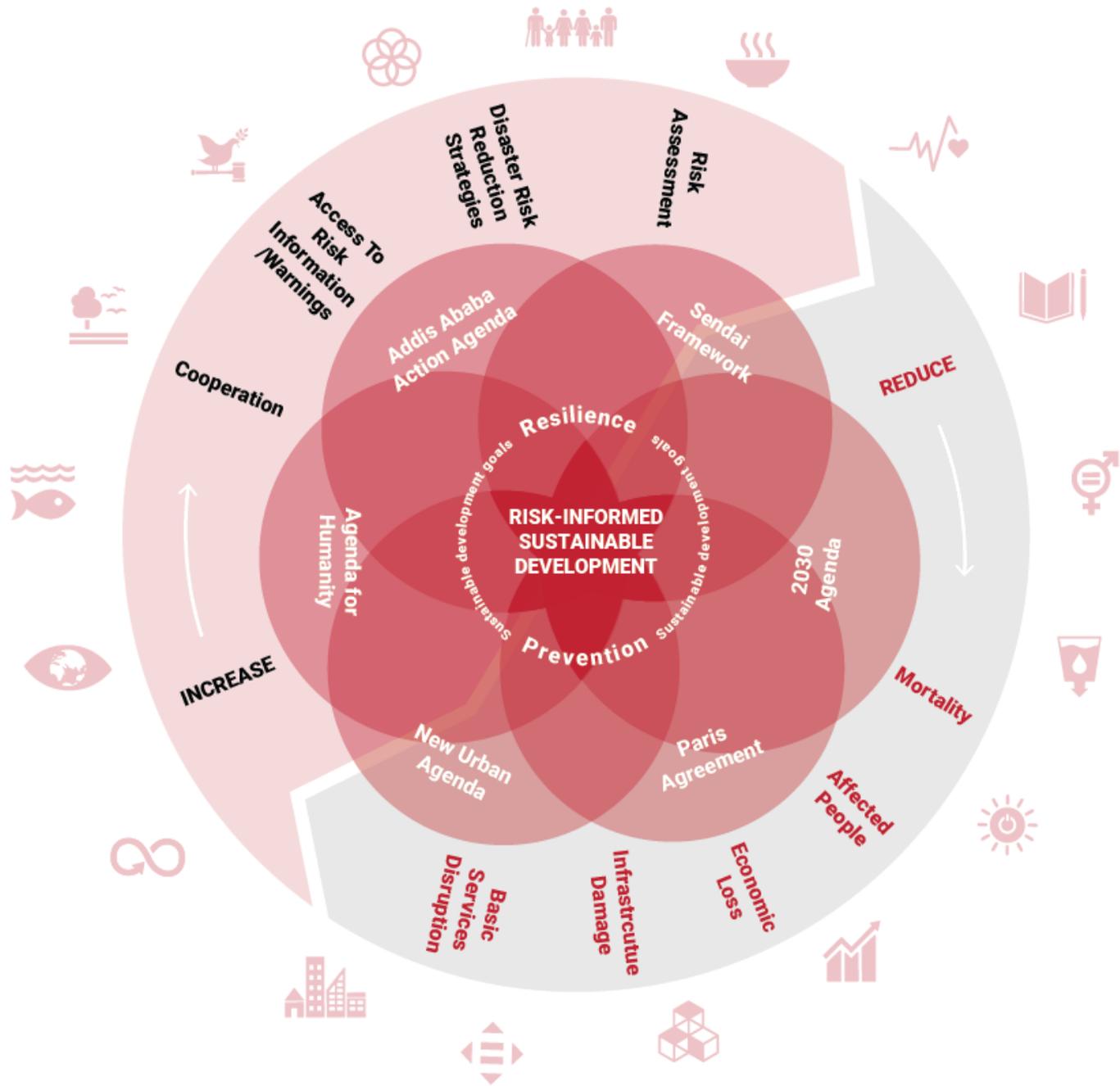


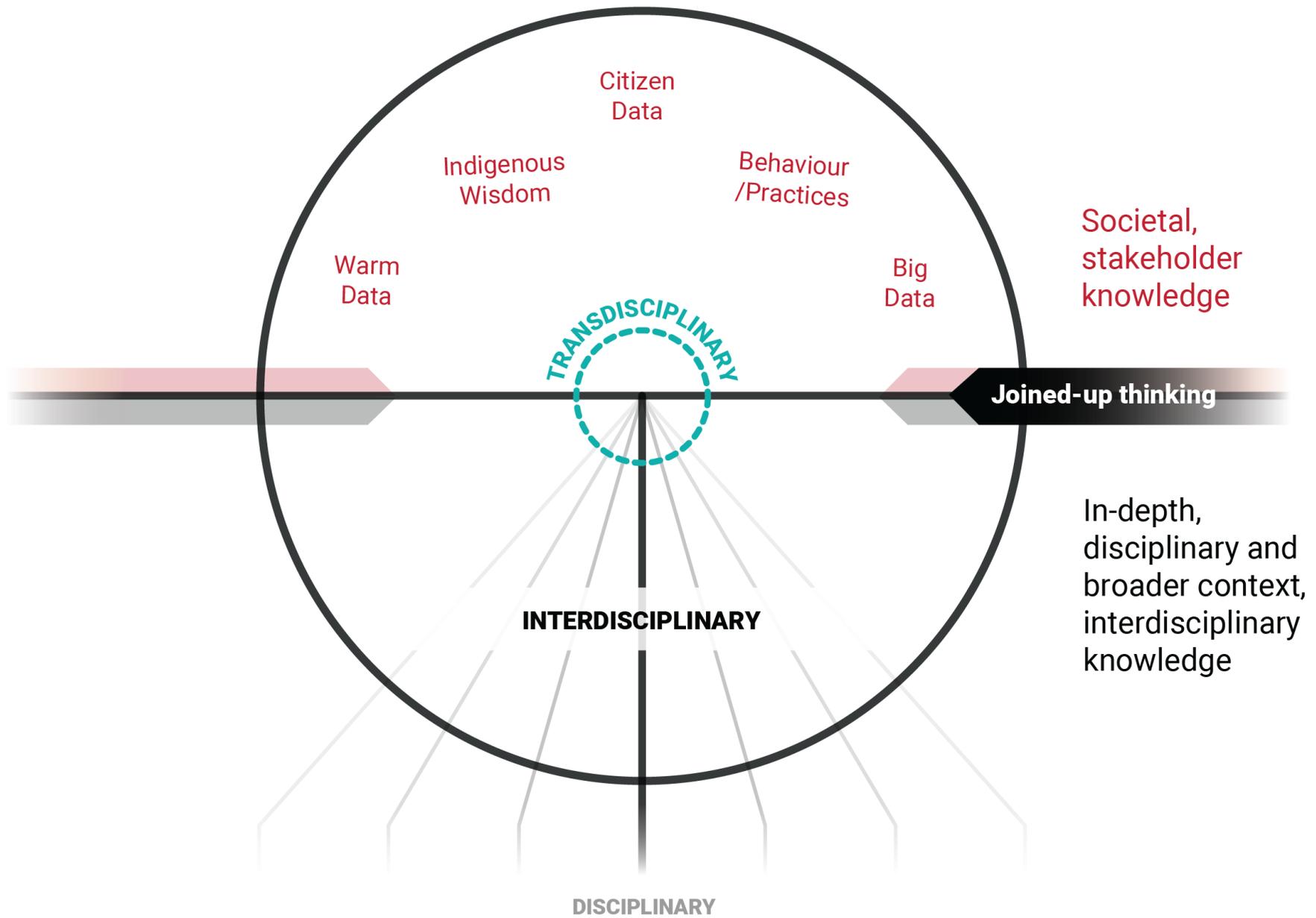
Sendai Framework for Disaster Risk Reduction

Paragraph 15.

....disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risks.

...aims to guide the multi-hazard management of disaster risk in development at all levels as well as within and across all sectors





The Global Risk Assessment Framework (GRAF) Expert Meeting (Nov. 2017) - Recommendations

UNDRR to lead establishment of a Global Risk Assessment Framework

- utilising existing data / models / assessment, connecting systems, revealing interdependencies, collectively identifying solutions at scale
- underpinned by robust practices and standards
- emphasise / improve understanding of vulnerability, exposure & impact
- develop common list of hazards, data standards and risk metrics
- convert and translate risk modelling outputs into usable and applicable information
- meet demand for openly accessible data, products & services
- establish Expert Group to guide design and iterative development

GRAF – Rationale and Principles

GRAF is....

a trusted space to broker, coordinate, harmonize and connect action using a shared methodology to develop a shared understanding of risks focused on the needs of users of risk information

AAL per Million USD

● No data

● 0 - 100

● 501 - 1,000

● 1,001 - 1,800

● 1,801 - 4,000

● 5,001 - 7,000

● 11,001 - 45,000

● 45,001 - 51,000

Organising Principles

Open / Transparent

Collaborative

Universal

Trusted

Practical

Living with uncertainty

The Global Risk Assessment Framework (GRAF)

Vision

To improve understanding of complex risk and where relevant and applicable, to transform behaviours and catalyse a proactive decision-making culture by democratizing everyone's understanding of the systemic nature of risk through time.

AAL per Million USD

● No data

● 0 - 100

● 101 - 500

● 501 - 1,000

● 1,001 - 1,800

● 1,801 - 4,000

● 4,001 - 5,000

● 5,001 - 7,000

● 7,001 - 11,000

● 11,001 - 45,000

● 45,001 - 51,000

1. Improve understanding

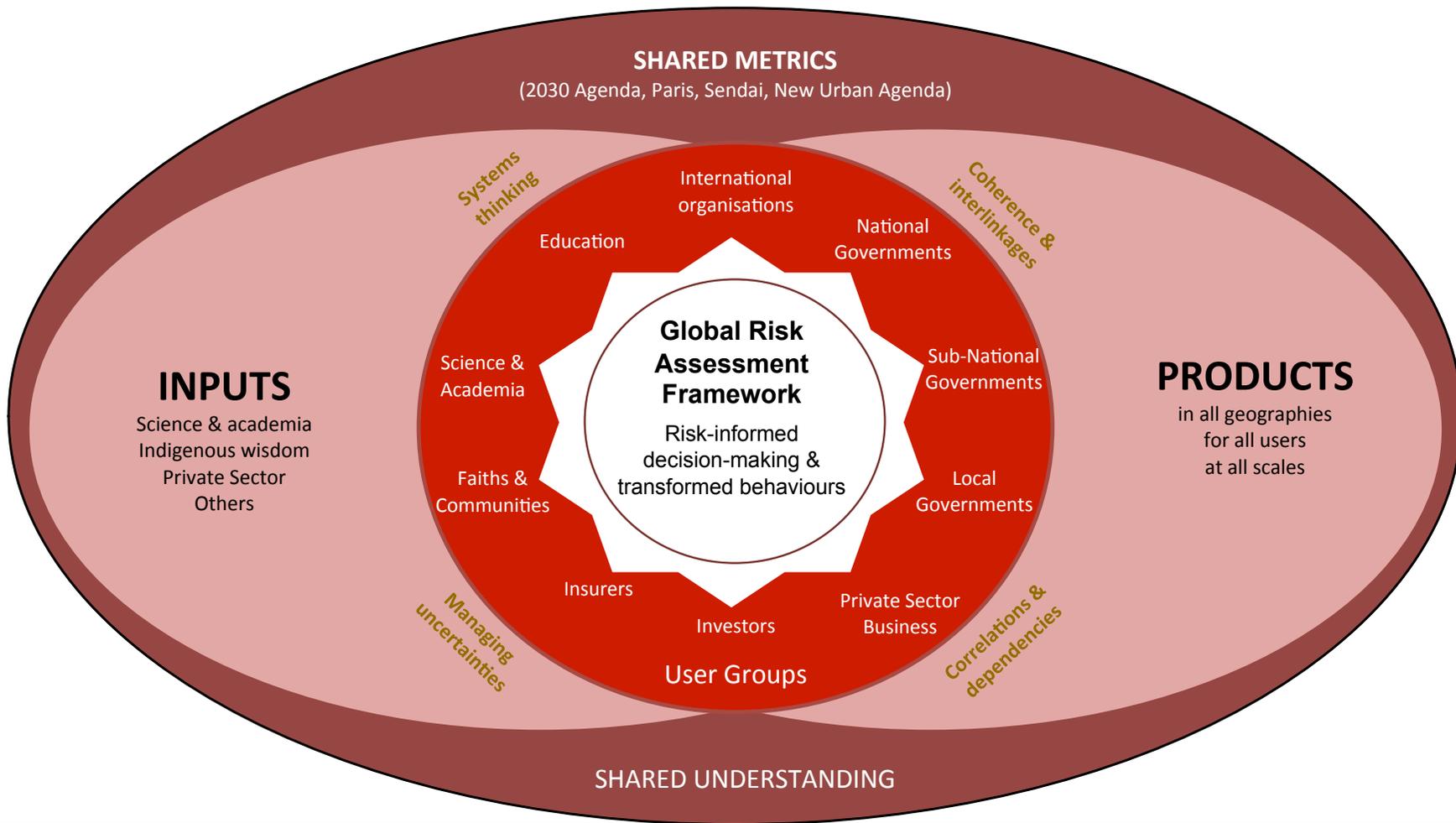
2. Provide actionable insights

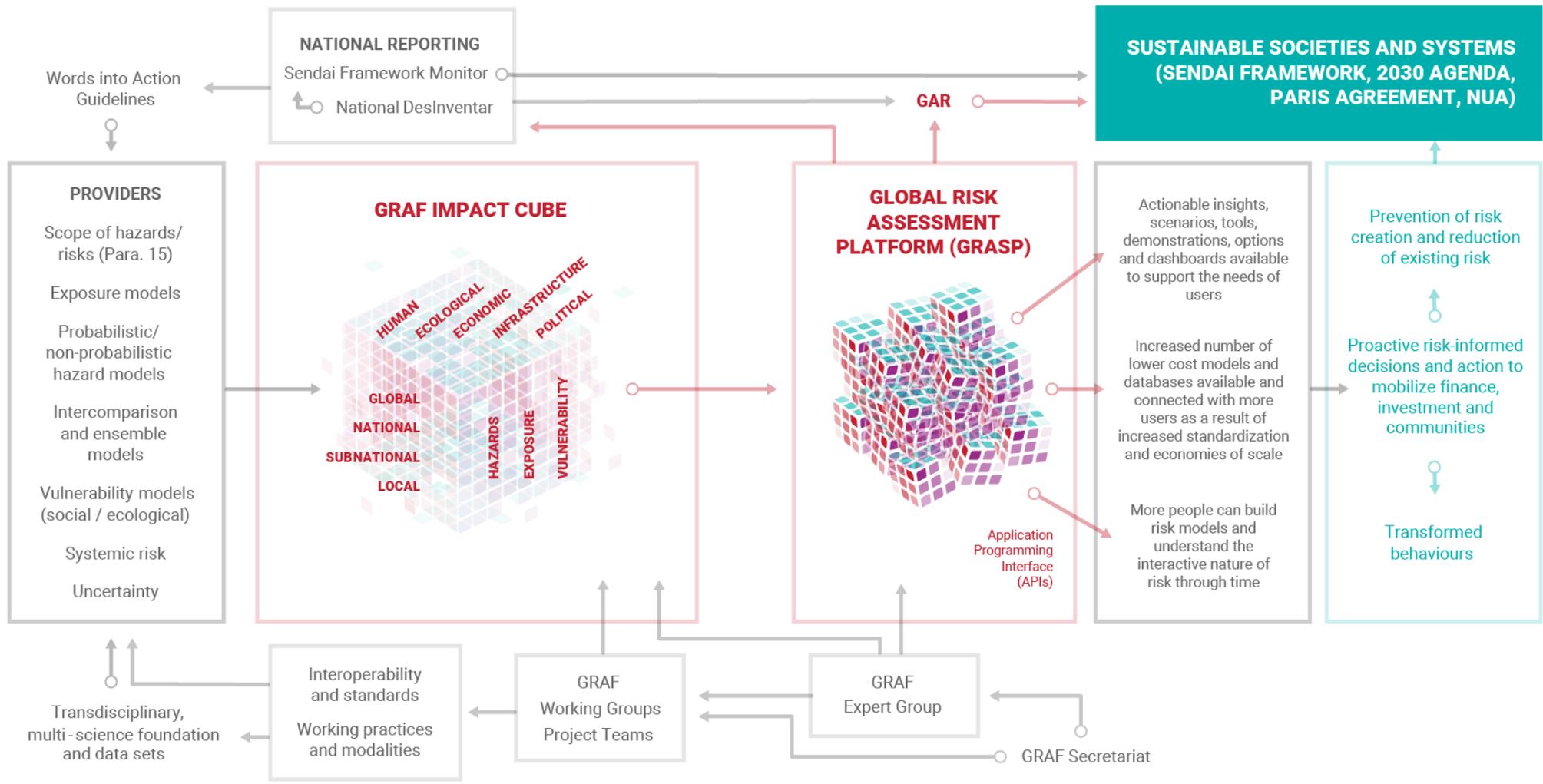
3. Support decision-makers to maximise synergies

4. Build trust in assessments

5. Foster open and collaborative culture

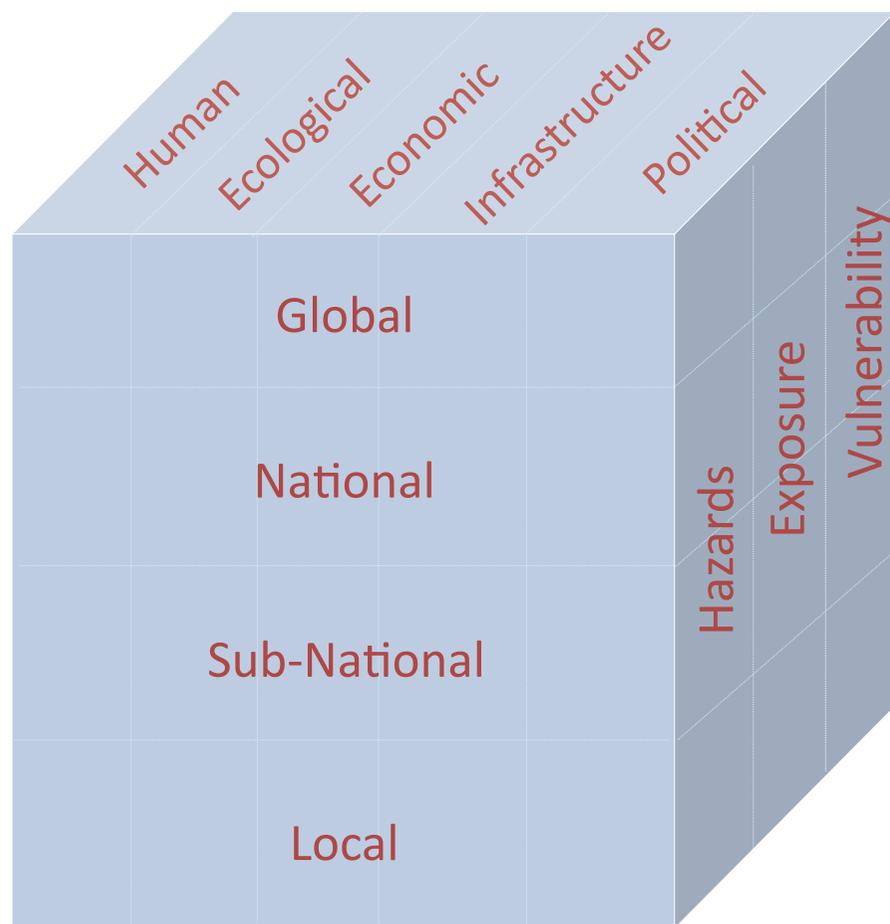
6. Mobilize finance and de-risk investments





Global Risk Assessment Framework (GRAF)

GRAF Impact Cube



Governing authorities: Risk-informed action to reduce loss and build resilience. Benchmarks and progress in the outcome and goal of the Sendai Framework.

Risk professionals: Enhances the quality & reach of their work through collaboration across disciplines. Provides a mechanism to enhance the impact of their work.

Donors and investors: GRAF optimizes investment impact in relation to risk reduction by highlighting opportunities for investigation and development.

gar.unisdr.org

GVR

**Global Assessment Report
on Disaster Risk Reduction**

2019

Thank you

