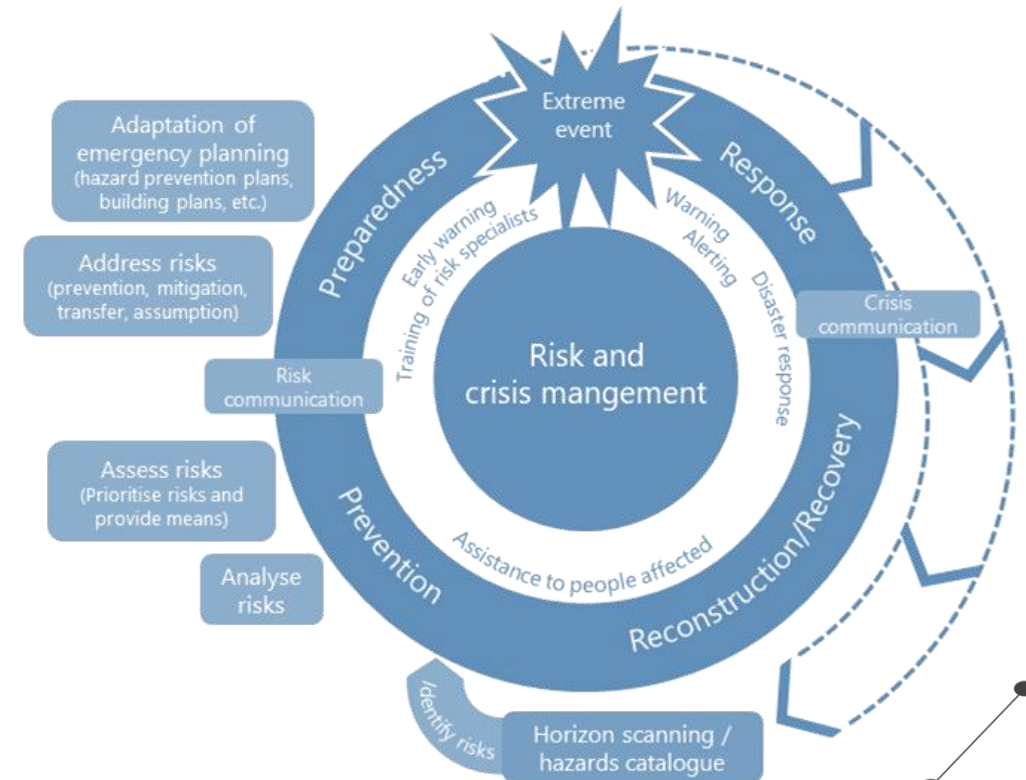
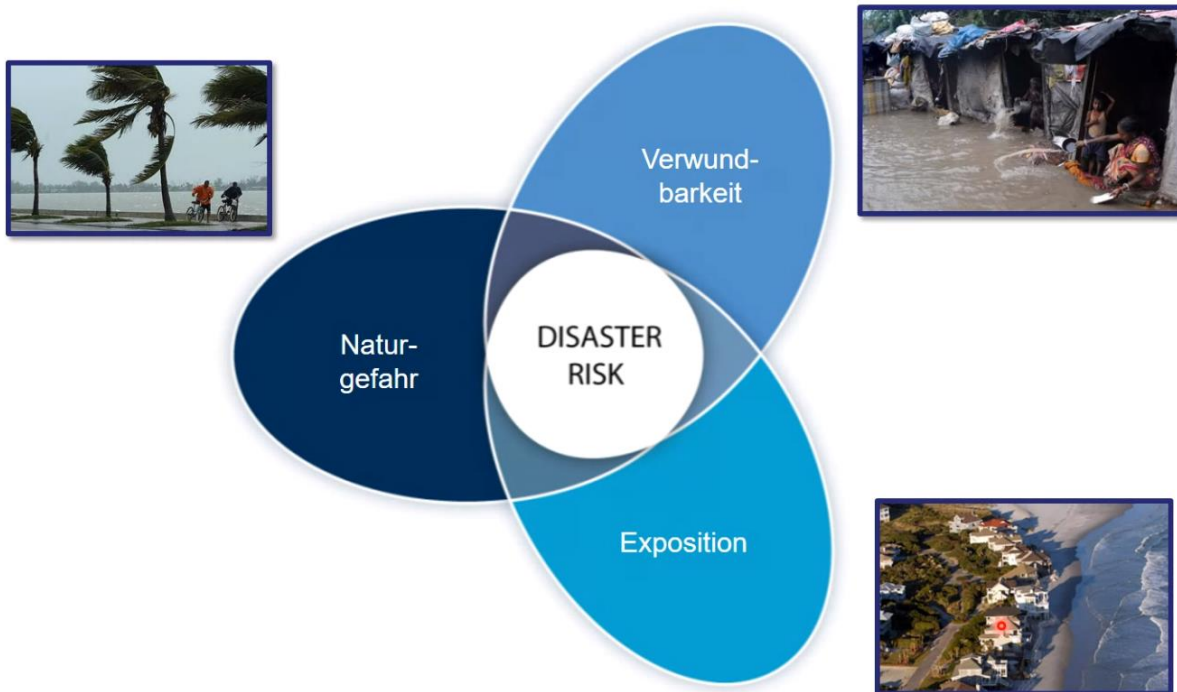


$$\text{risk}_{\text{EQ}} = f(\text{hazard, exposure, vulnerability})$$



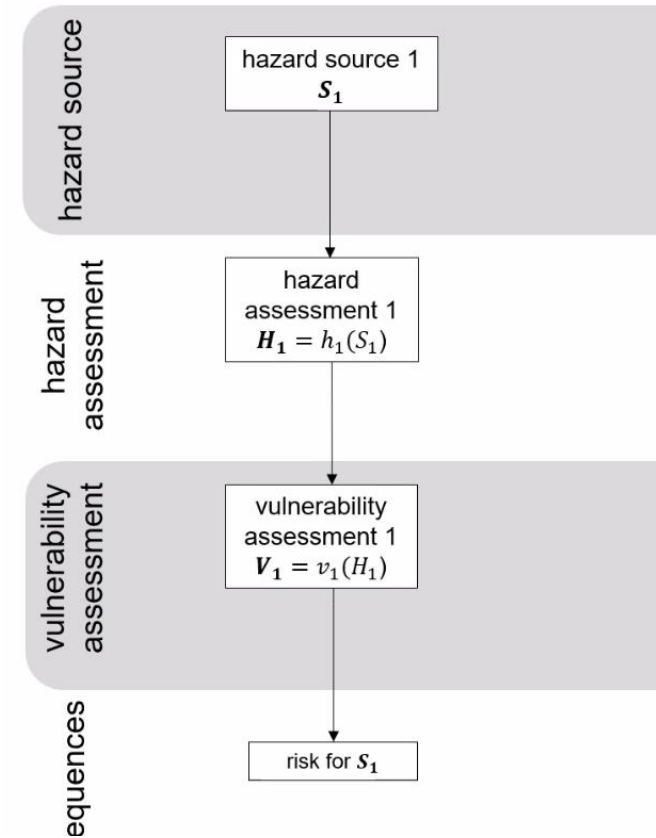
Single-hazard risk approaches as the common method

- Calculation of risk for individual hazards
- Missing: no hazard interactions, single risk maps, no comprehensive view of risks

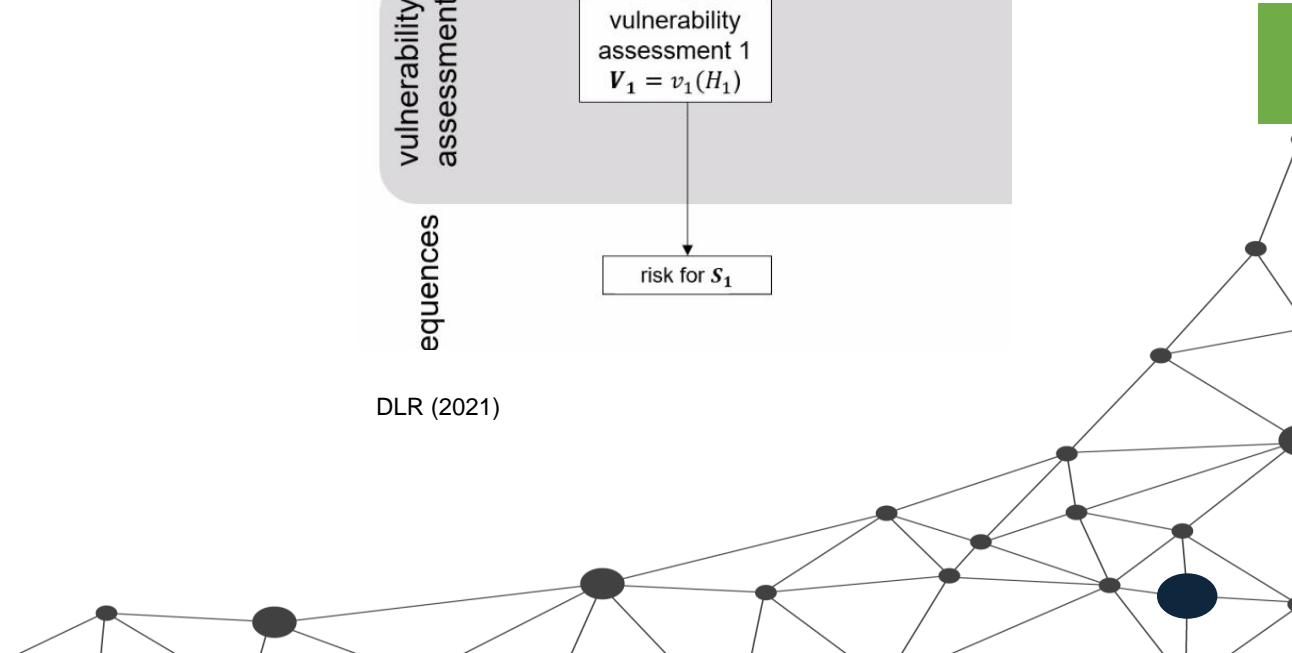
Example: Maule Earthquake, 27th Feb. 2010, 8.8 M_w



earthquake-induced damage
EQ triggered also:
tsunami-induced damage
landslide-induced damage
fire-induced damage

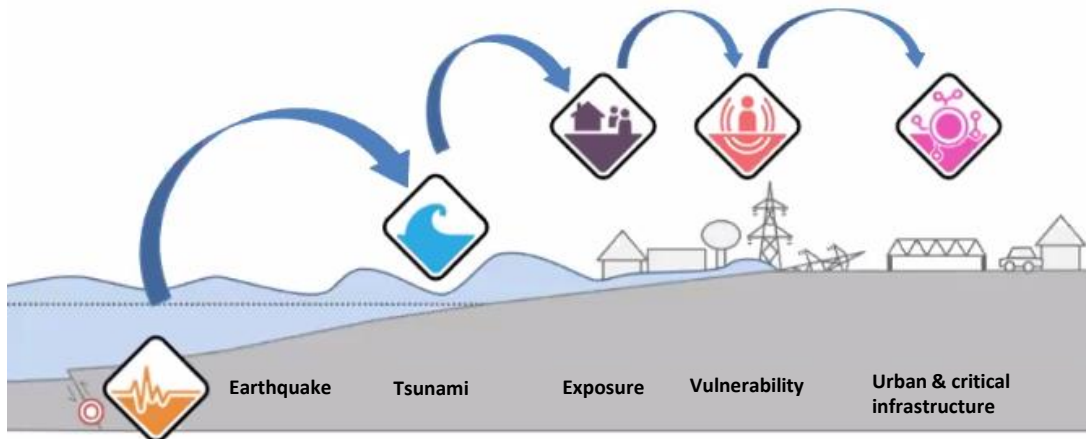


DLR (2021)

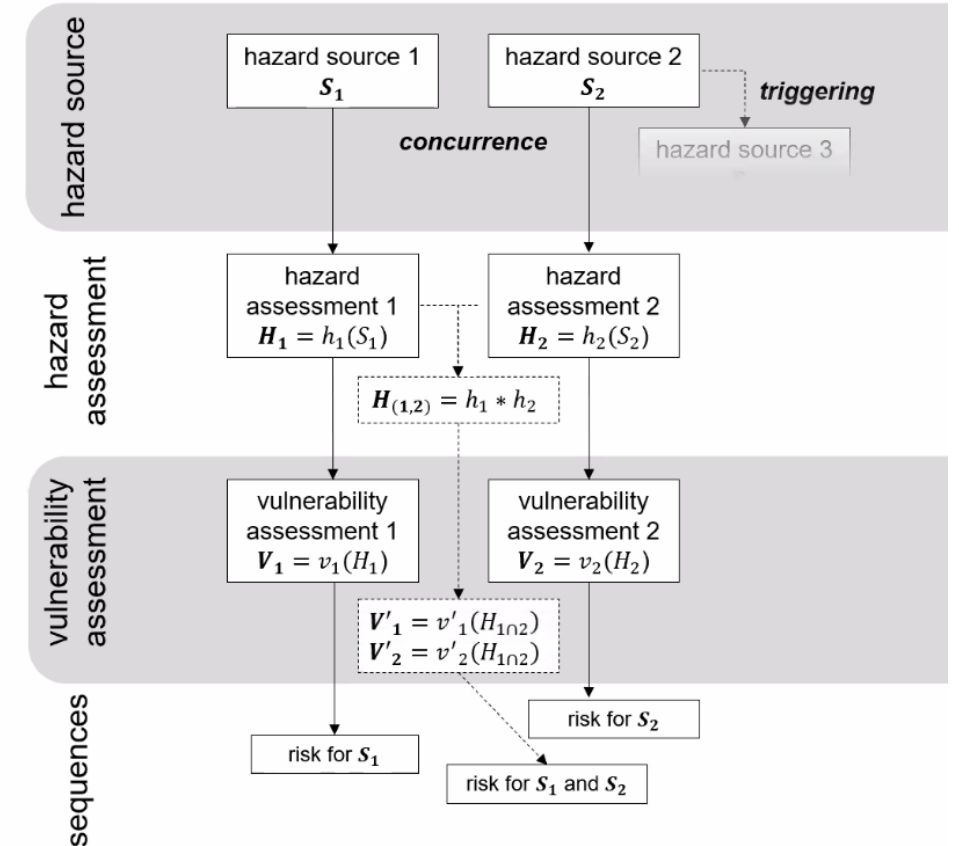


Multi-hazard & risk methods as a better approach

- Concurrence of two (or more hazard events)
 - Triggering relationship: e.g. Earthquake triggers landslides
- Natural hazards triggering other natural events
 - E.g. Increased-probability relationships: landslides block rivers, increasing the probability of floods
- Network of hazard interactions (cascades)
 - E.g. Earthquakes, floods, storms damage water and power supply

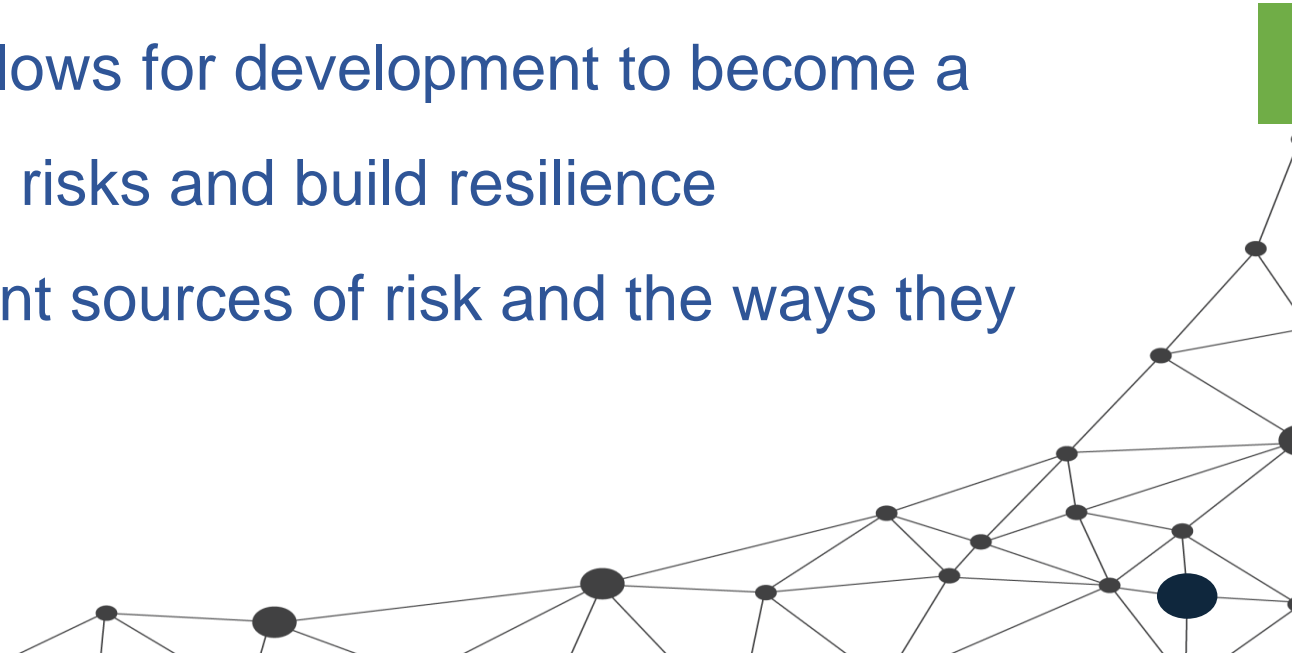


DLR (2021)



After Marzocchi et al. 2012

- Decision-making needs to consider the interconnections between risks in an increasingly changing world.
- Decision-makers need to consider multiple hazards and risks in urban decision-making
- Risk-informed urban development allows for development to become a vehicle to reduce risk, avoid creating risks and build resilience
- RID considers multiple and concurrent sources of risk and the ways they may interact in complexity



Risk Informed Urban Development

Joint initiative & working group

9th AfriCities Summit 2022



Karl-Heinz Gaudry, Sophia Kamau, Franziska Loibl, Jimmy Yoedsel
Manuel DE ARAUJO, Geoffrey OCHIENG, Emmanuel K LETEBELE, Silke GOETHE, Rajeev ISSAR

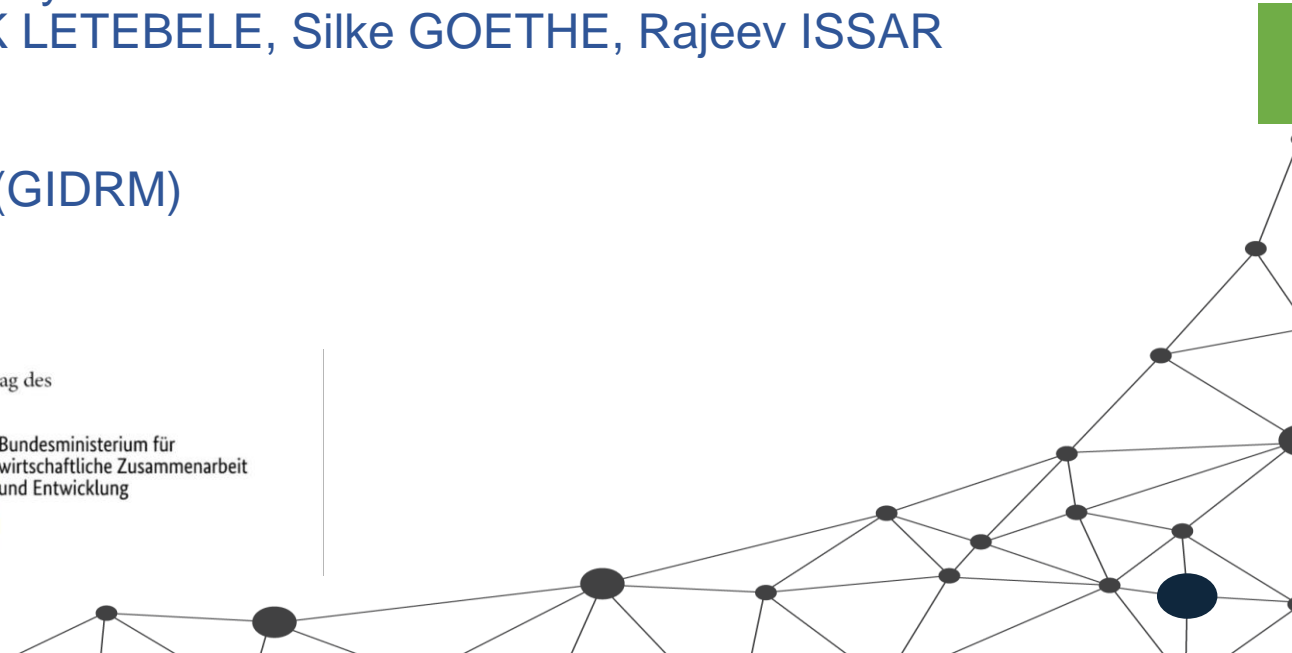
GIZ SV Connective Cities (CC)
GIZ GV Global Initiative on Disaster Risk Management (GIDRM)

Ms. Ricarda Meissner, ricarda.meissner@giz.de (CC)
Dr. Karl-Heinz Gaudry, karl-heinzgaudrysada@giz.de (GIDRM)

Partner von Connective Cities



Im Auftrag des



- Africities Summit ([LINK](#)) 9th Edition | 17-21 May, 2022 in Kisumu, Kenya
- **“The Role of Intermediary Cities of Africa in the Implementation of Agenda 2030 of the United Nations and the African Union Agenda 2063”.**
- The 9th Africities Summit broke records on participation
 - 11,000 delegates
 - representatives from 100 countries
 - 53 from Africa.



- AfriCities is the United Cities and Local Governments (UCLG) of Africa's flagship pan-African event
- Every three years in one of the five regions of Africa
- Aims to:
 - Address major questions based on the construction of the 2063 Vision of Africa
 - Debate proposed by the African Union Commission





- Through the Working Group on Risk Informed Urban Development (RIUD) ([LINK](#))
 - to address the complex nature of risks and
 - safeguard development gains
- Joint initiative between the Global Initiative on Disaster Risk Management (GIDRM) ([LINK](#)) and the Connective Cities ([LINK](#))
- Hosted a session during the Summit on **“Risk Informed Urban Development: Territorial governance schemes for addressing systemic risks in intermediary cities”**.

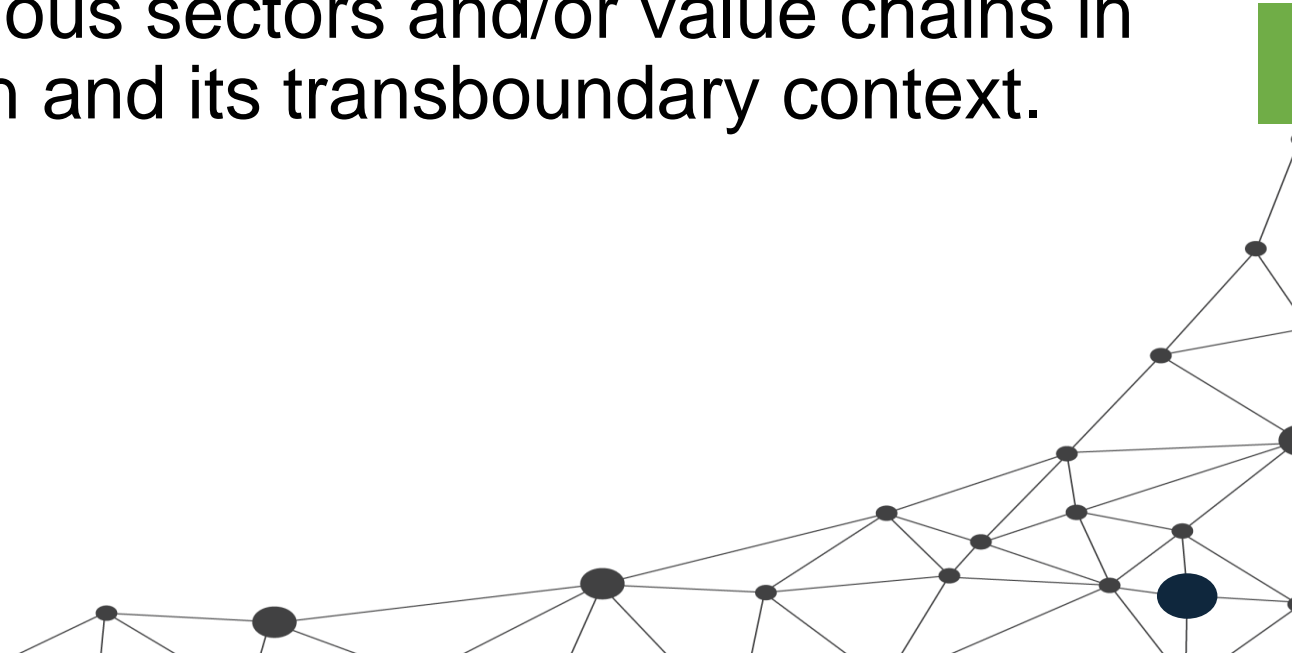




- The session on RIUD aimed to contribute to the
 - Agenda 2063 ([LINK](#)) (Aspiration 1, Goal 7) to create environmentally sustainable climate and resilient economics and communities;
 - SDGs ([LINK](#)) to make cities and human settlements inclusive, safe, resilient and sustainable (SDG 11, target 11.5) and to take urgent action to combat climate change and its impacts (SDG 13),
 - SADC Regional Indicative Strategic Development Plan (RISDP) 2020–2030 ([LINK](#)) (4.4 Pillar 3) on strengthening urban planning and management to build climate resilient cities and (4.5 Cross-Cutting Issues) on improving disaster risk management in support of regional resilience
 - SADC's Regional Resilience Framework 2020-2030 for building resilience in the region at national and sub-national level.



- Strengthening the coherence between the global and regional agendas and the New Urban Agenda ([LINK](#)) and the Sendai Framework for DRR ([LINK](#)) the session:
 - strengthened the dissemination of knowledge and lessons learned on integrating risk-informed urban development in intermediary cities and various sectors and/or value chains in the Southern African region and its transboundary context.





- In addressing different risk-governance systems, context specific to the scale of territories it also promoted the regional South-South cooperation partnerships on RIUD
- Inputs and contributions from representatives of the City of Quelimane (MOZ), Kisumu (KE), eThekweni (SA), Bremen (GER) and the UNDP.
 - Dr. Manuel DE ARAUJO; Mayor of the City of Quelimane, Mozambique
 - Mr. Geoffrey OCHIENG; Chief Officer- Housing and Urban Development, County Government of Kisumu, Kenya
 - Mr. Emmanuel K LETEBELE; Senior Professional Planner at eThekweni Municipality, South Africa
 - Ms. Silke GOETHE; Senate Chancellery of the Free Hanseatic City of Bremen, Germany
 - Mr. Rajeev ISSAR; Policy Specialist in Climate Risks and Risk Governance, UNDP



- The session resulted in a series of key recommendations
- Structured the sessions results along the "Regional Assessment on Urban Vulnerability and Resilience in Southern African Development Community Member States" for strengthening capacities for reducing urban vulnerability and building resilience in Southern Africa ([LINK](#)).
 1. Enhance policy, legislation, institutional and organizational setups with a stronger risk informed development focus
 2. Invest in capacity building, knowledge, and information management
 3. Strengthen regional and national urban planning for building resilience
 4. Disaster risk financing and socio-economic considerations
 5. Offer and promote durable solutions
 6. Strengthen multi-level, inter-country and inter-city cooperation



- The results of the session were submitted to the Office of the Secretary General - UCLG Africa
- A first draft of the proceedings is expected to be circulated by the ends of July.
- The Declaration of the Mayors and Leaders of Local Authorities of Africa (accessible on Twitter ([LINK](#))) and includes 20 statements, i.e.:
 - We wish to make intermediary cities structuring poles of sustainable development in Africa by granting them a prominent place in spatial planning and creating new territorial dynamics that promote exchanges and linkages between the rural and urban environments.
 - We affirm our willingness to establish a constructive political dialogue between the different spheres of government to abide by the principle of subsidiarity
 - We undertake to give priority to urban planning as an instrument for controlling the growth of urban & peri-urban areas by putting in place the institutional, legal, regulatory and operational instruments as well as the conditions for a participatory dialogue with the people.
 - We endorse the objectives of the United Nations 2030 Agenda, the New Urban Agenda, the Right to the City and the African Union's 2063 Agenda and their translation into local development plans
 - We call on the Mayors to develop programs and action plans to fight precariousness and vulnerability, especially the ones of street children, isolated women,
 - We affirm that climate change is a key issue for our territories and recommend to local governments to adopt the necessary measures to prepare their territories for the consequences of climate change and invite them to adhere to the Convention of African Mayors for Climate.
 - We call on all States to sign and ratify the African Charter on the Values and Principles of Decentralization, Local Governance and Local Development and to ensure the proper implementation of the principles it contains

- The next AfriCities Summit will take place in Cairo, Egypt in 2024

