

Asia-Pacific Regional Framework for NATECH (Natural Hazards Triggering Technological Disasters) Risk Management



2020



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Asia Pacific Regional Framework for NATECH

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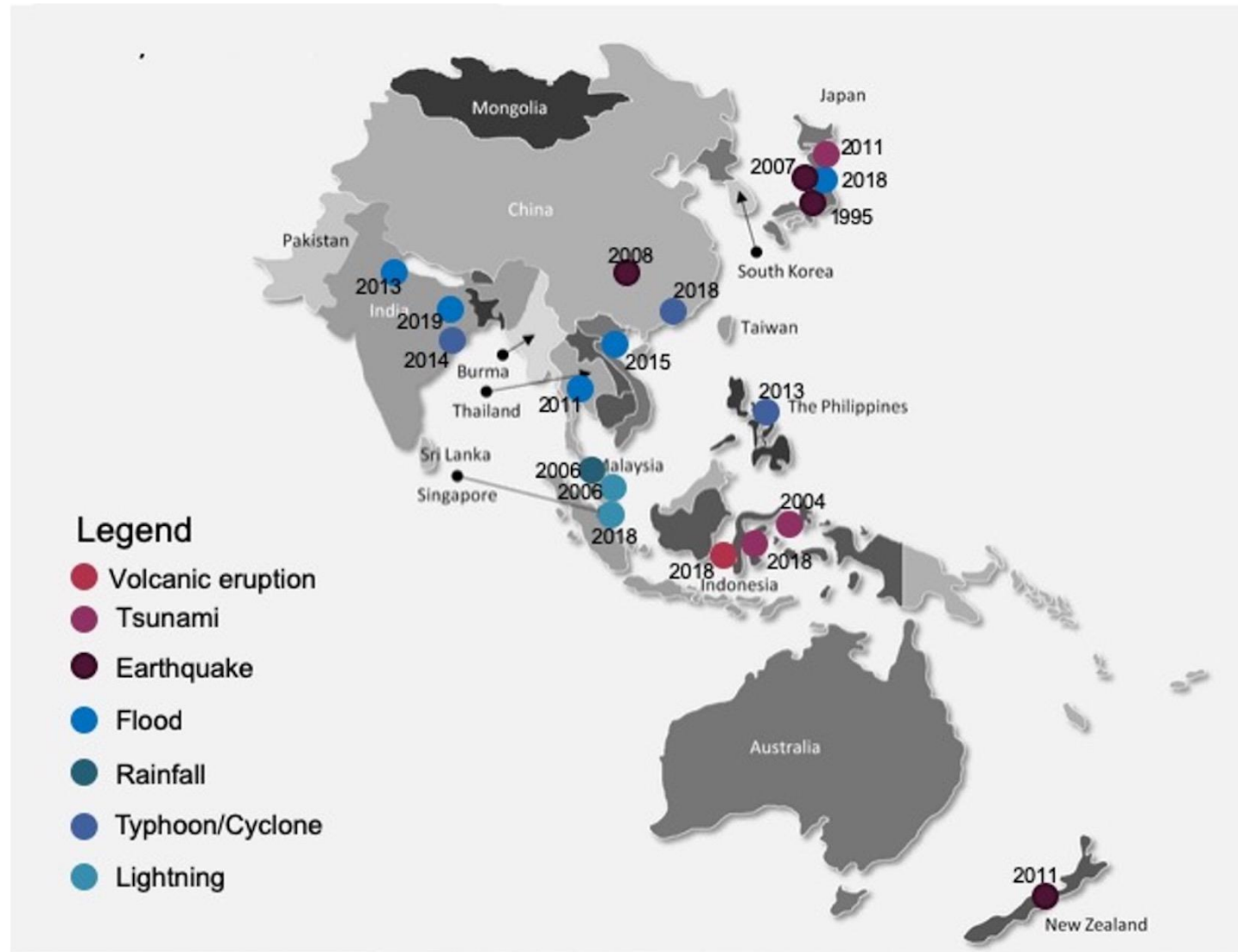
e-Asia Pacific Science and Technology Conference for
Disaster Risk Reduction

15 October 2020

Case study approach

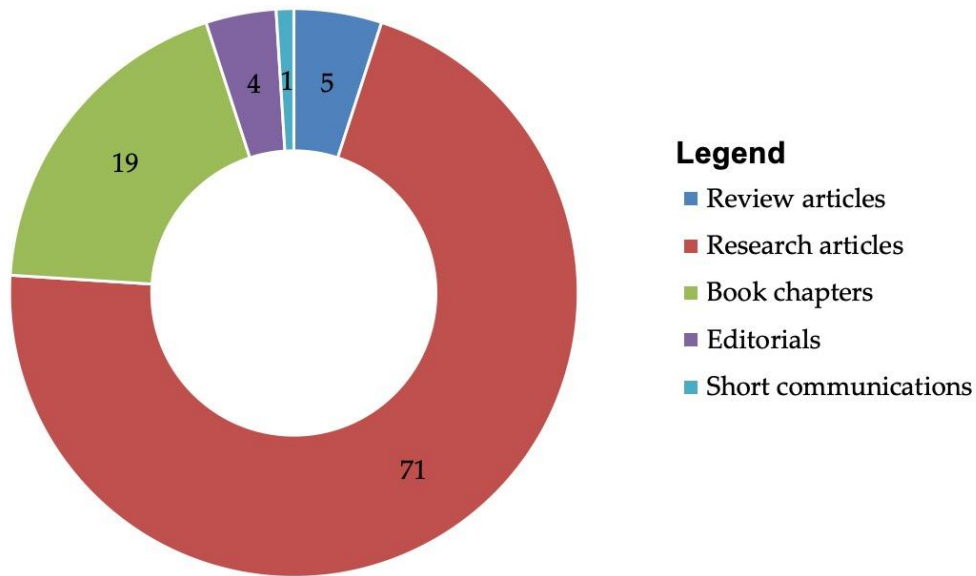
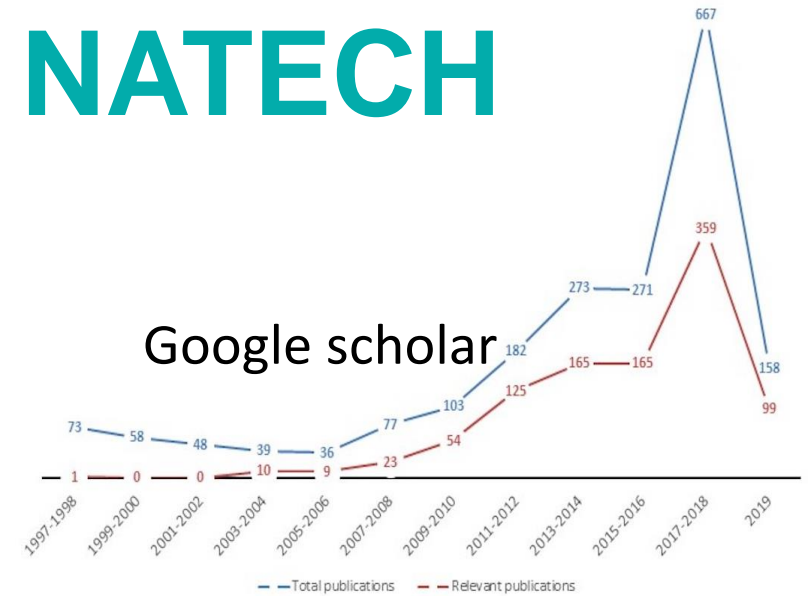
10 Countries

19 Case studies

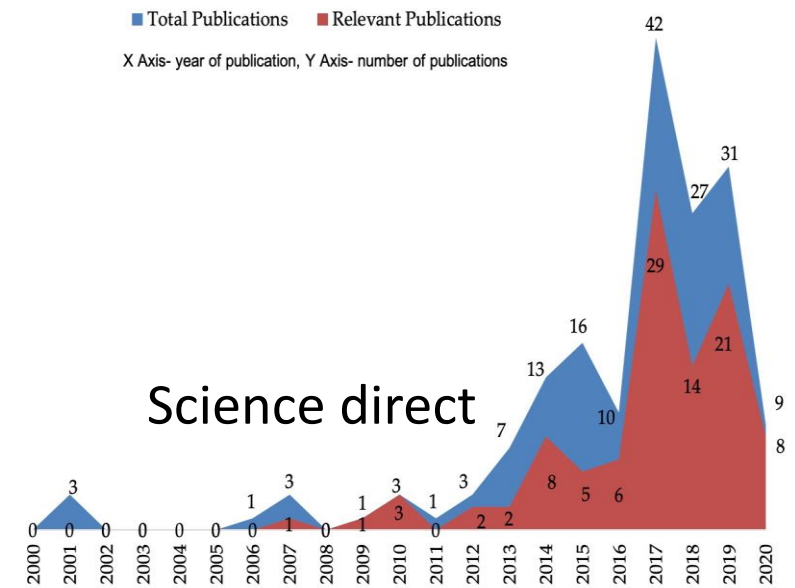


Increasing interest in NATECH

- Not a new term
- Academic interest is increasing, specially in the aftermath of a NATECH event

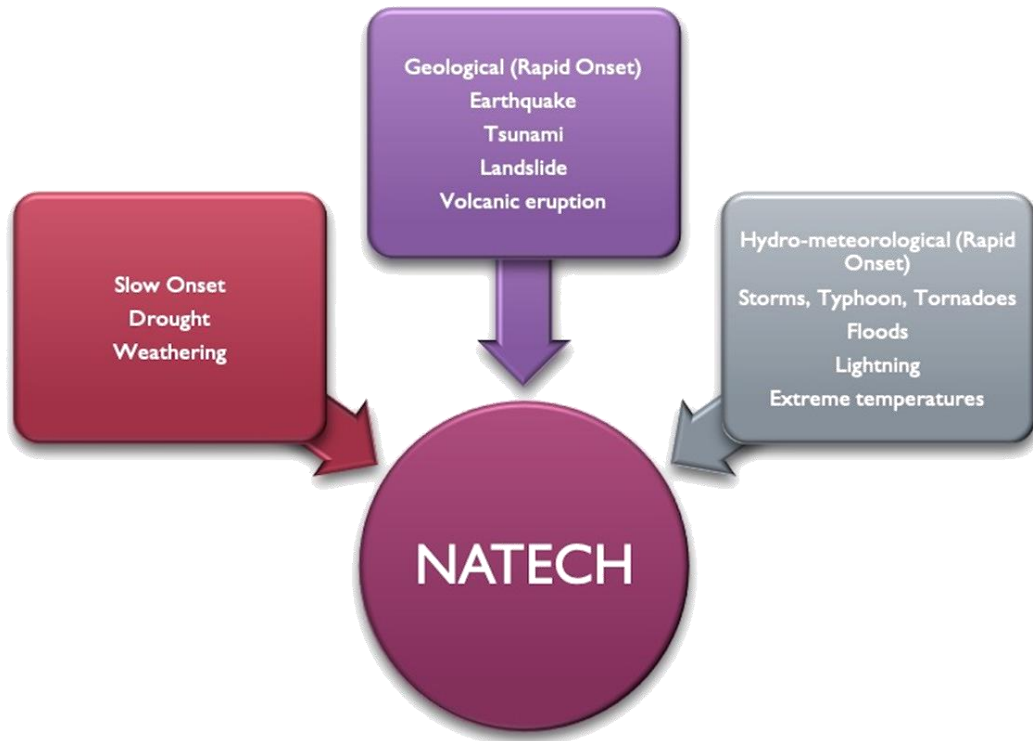


Category of publications

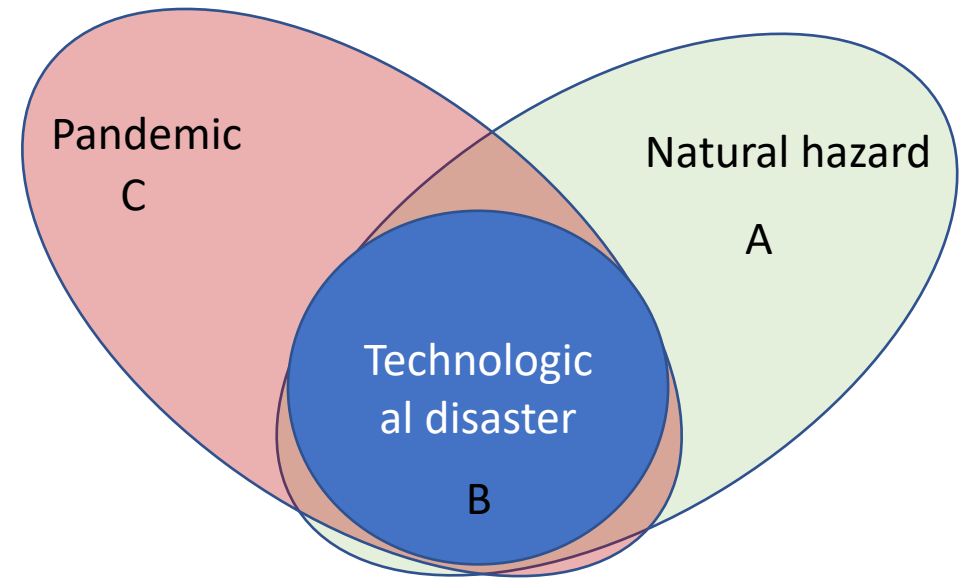


Typologies of NATECH and case scenario

Typologies based on triggering hazard



Case 1- A+B
Case 2- A+B+C
Case 3- A+B lead to C

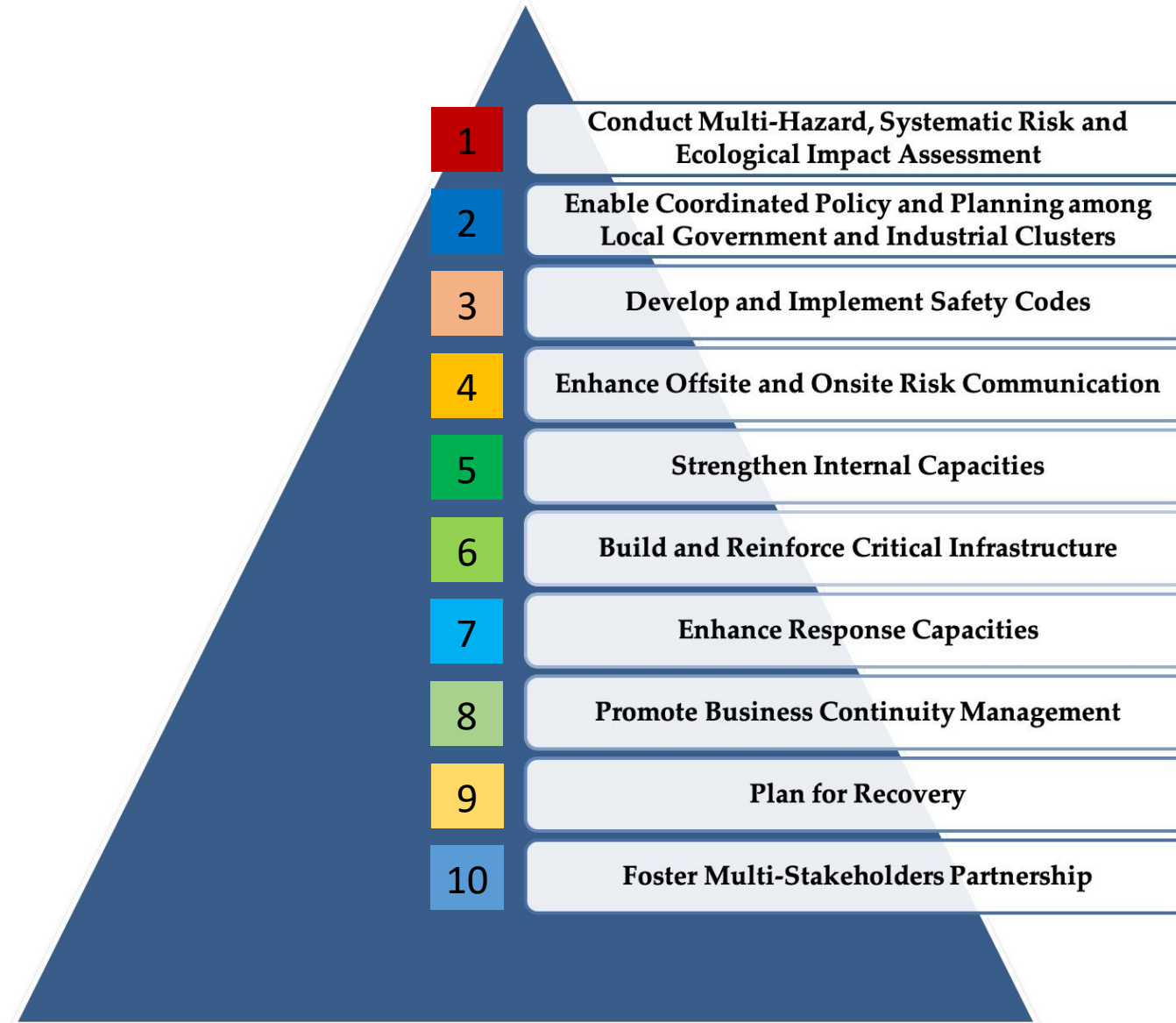


Case scenario considering pandemic

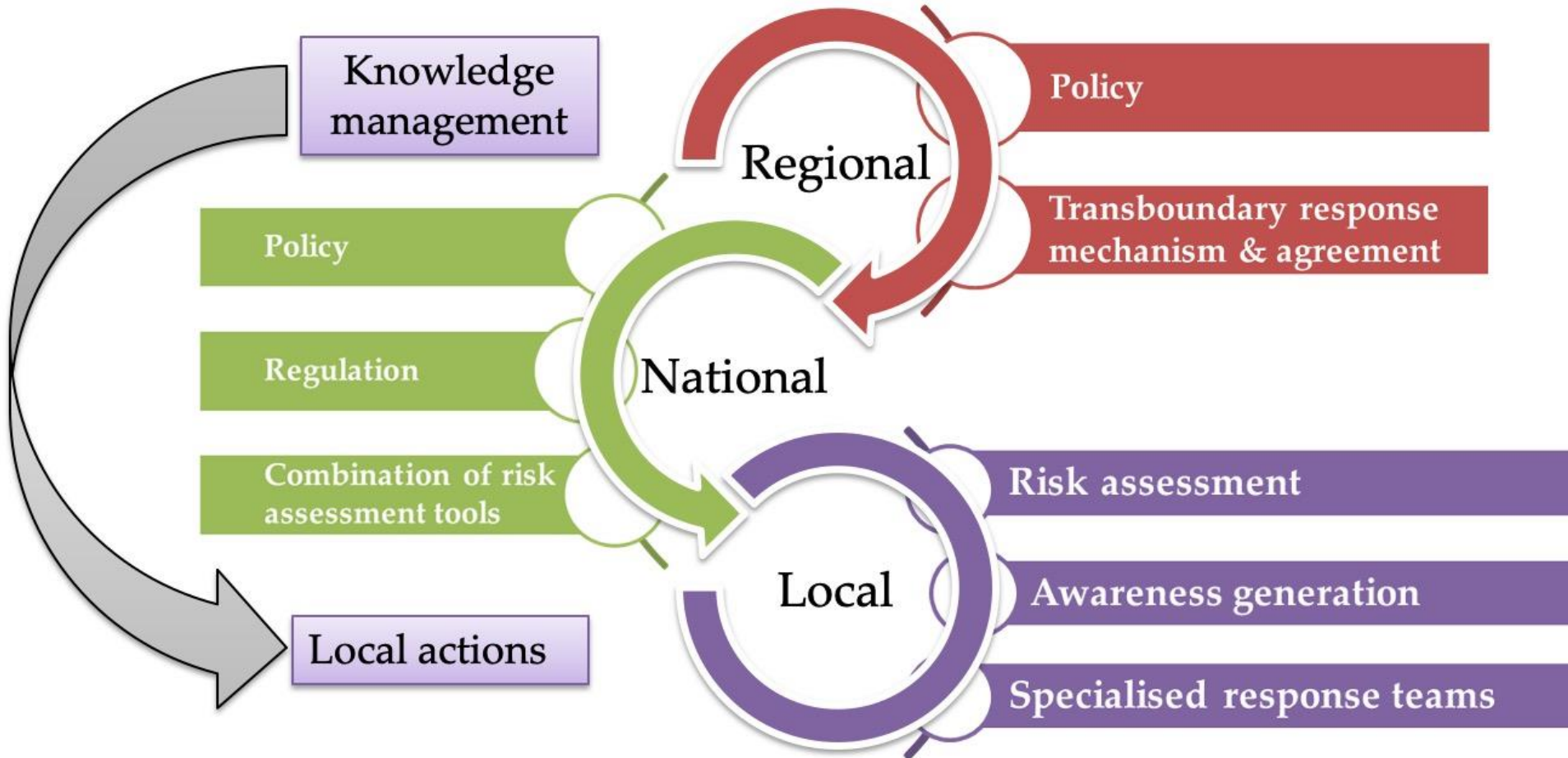
NATECH risk to infrastructure

- Chemical factories
- Hospitals , laboratory, pharmacies
- Transportation (flight, waterways, rail, road)
- Food processing units
- Pesticide storage
- Tailing dams
- Waste dumps
- Metallurgy, petroleum& petro-chemical industry, oil and gas pipelines
- Warehouses
- Acid mine drainage sites

10 principles of NATECH risk management



Regional framework for NATECH risk management



Thanks for the
attention!

