



**Asia-Pacific
Economic Cooperation**

2019/EPWG/DIA/009

Agenda Item: 7.4

Smart Resilience in Mexico – Resilient Infrastructure

Submitted by: Mexico



**APEC Resilience Week
Taipei, Chinese Taipei
30 September - 2 October 2019**

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Smart Resilience in Mexico: Resilient Infrastructure

Sandra Camacho-Otero

Sustainable Development Goals 2015-2030

- DRM mainstreamed in the development goals.
- Perhaps more visible in some, but also important in “not common ones”.



Sendai Framework for Disaster Risk Reduction 2015- 2030

► Seven targets to achieve by:



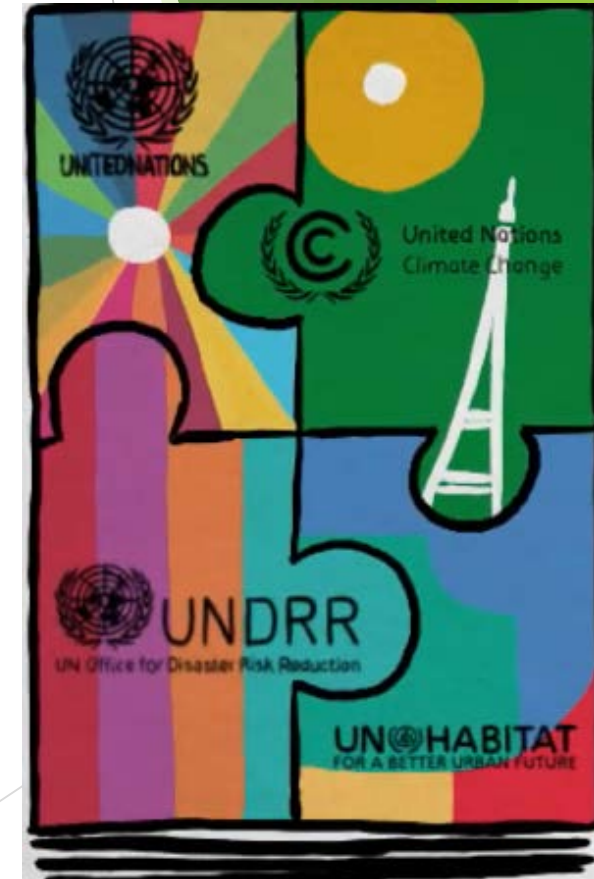
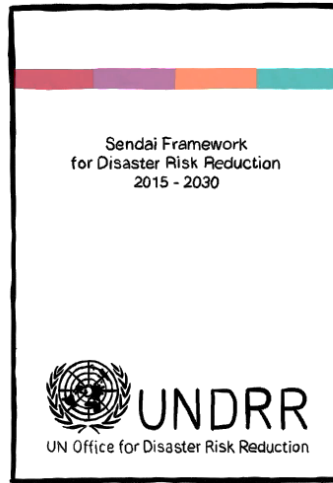
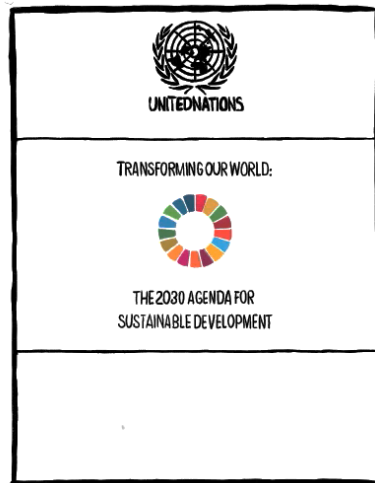
9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



17 PARTNERSHIPS
FOR THE GOALS

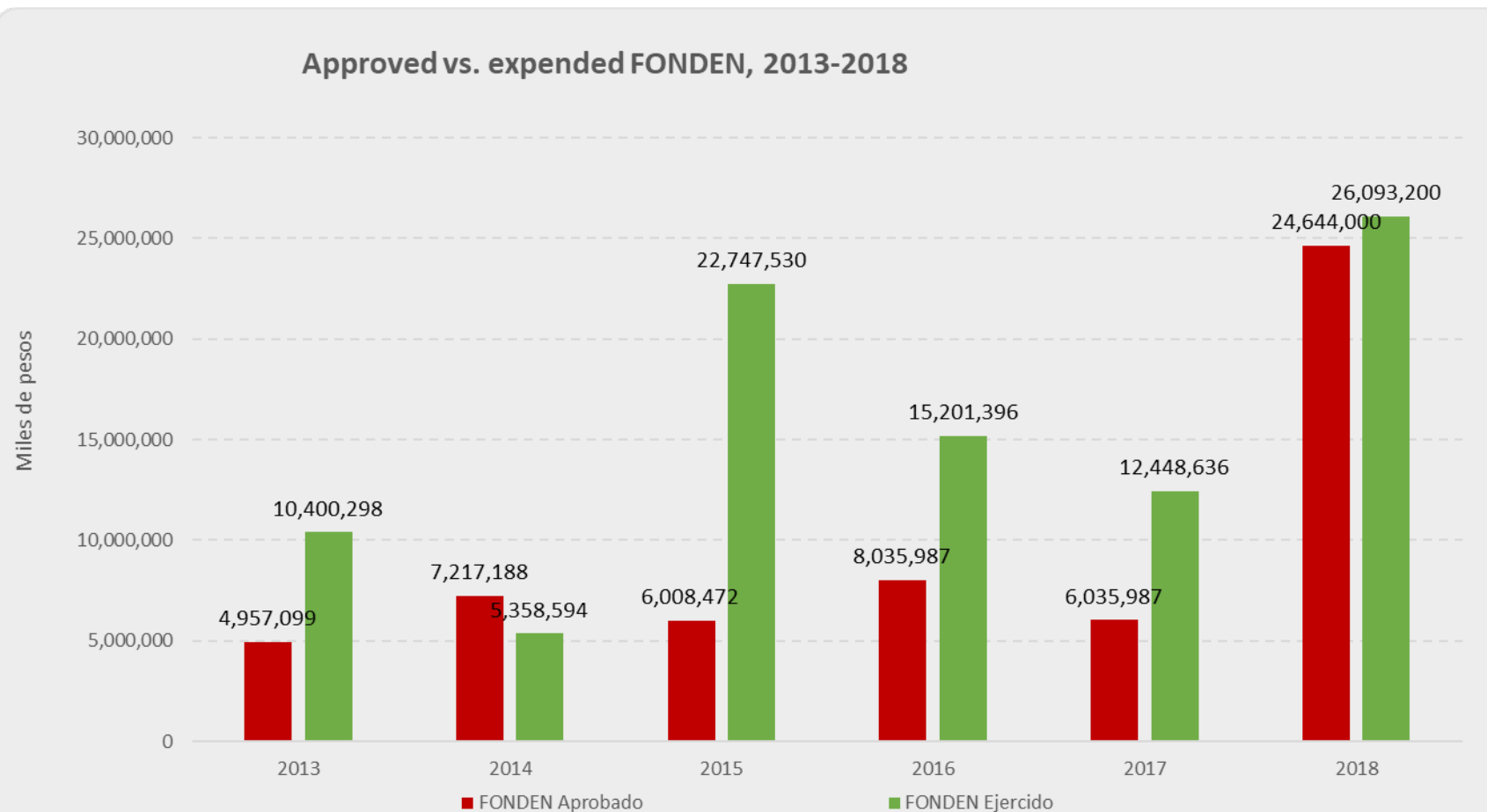


Coherence of global agendas



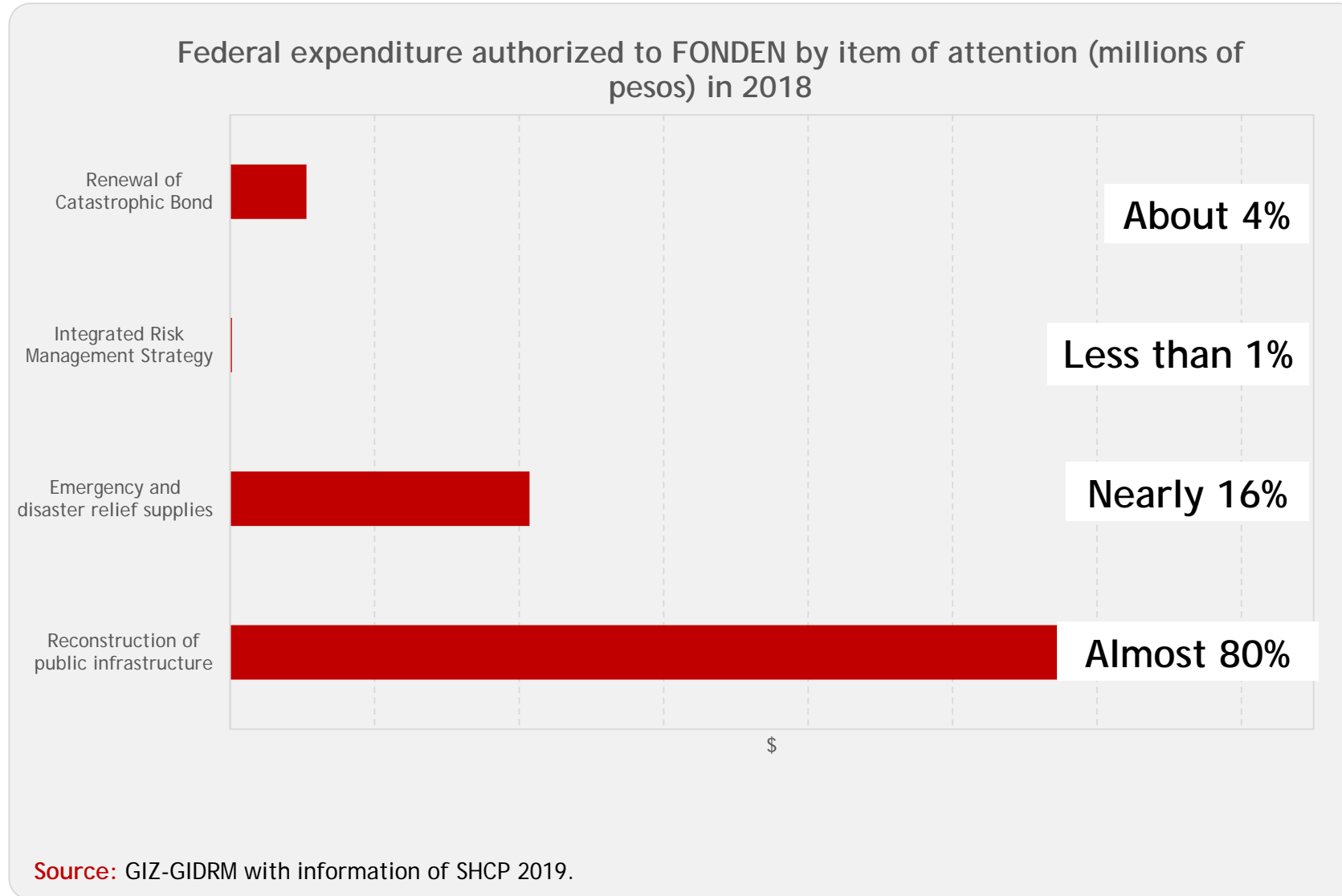
FONDEN shows the high cost of not incorporating DRM measures

In Mexico, the losses and reconstruction costs distributed by the Natural Disasters Fund (FONDEN) show a notable increase in the last decade.



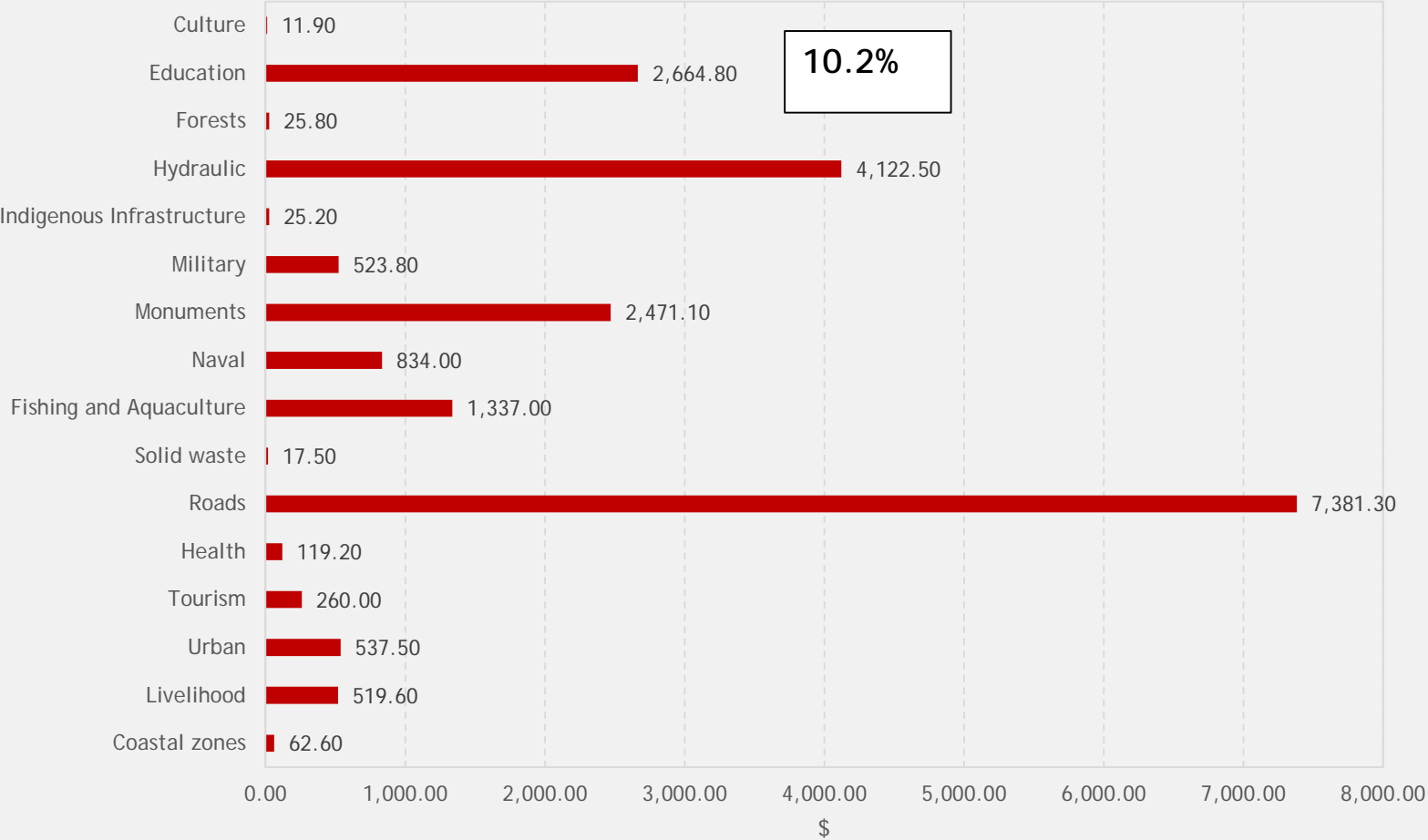
Source: GIZ-GIDRM with information of SHCP 2013-2019.

Why integrating DRM into Public Investments in Mexico?



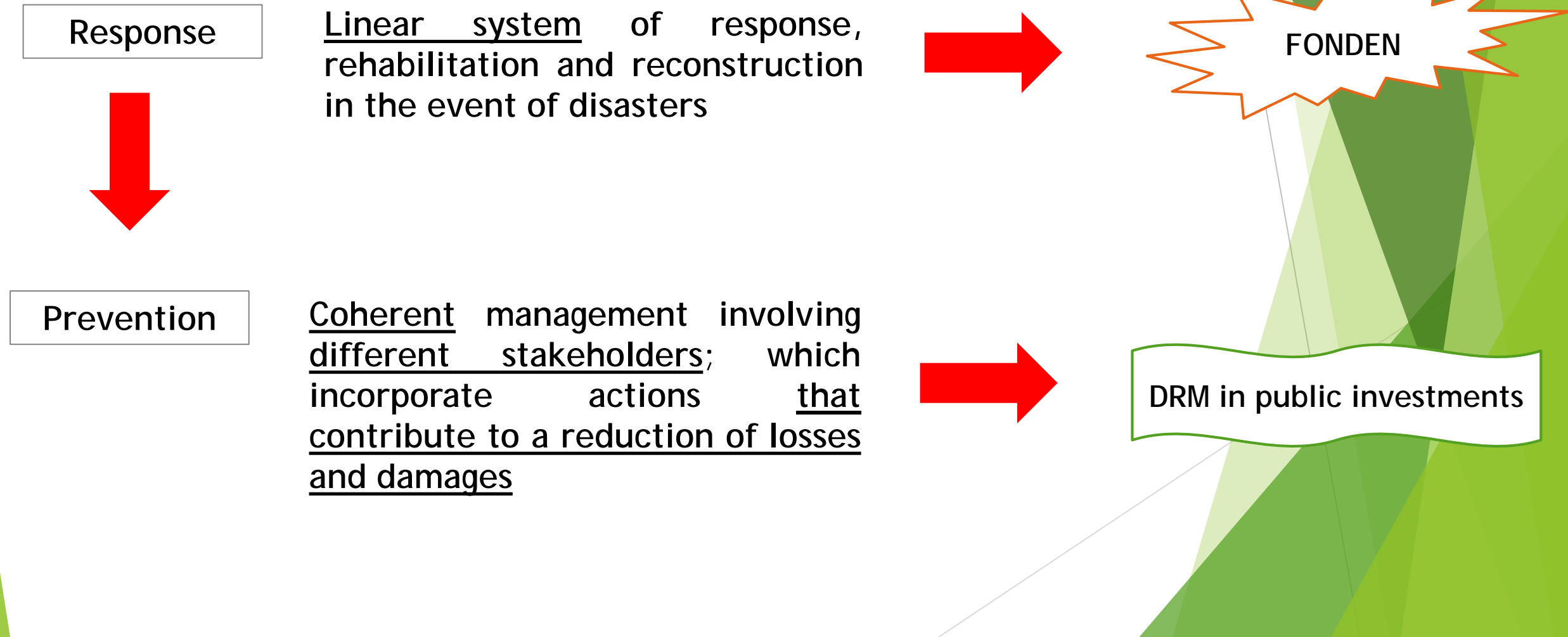
Roads: most critical infrastructure

Distribution of federal spending authorized to FONDEN to public infrastructure (millions of pesos) in 2018

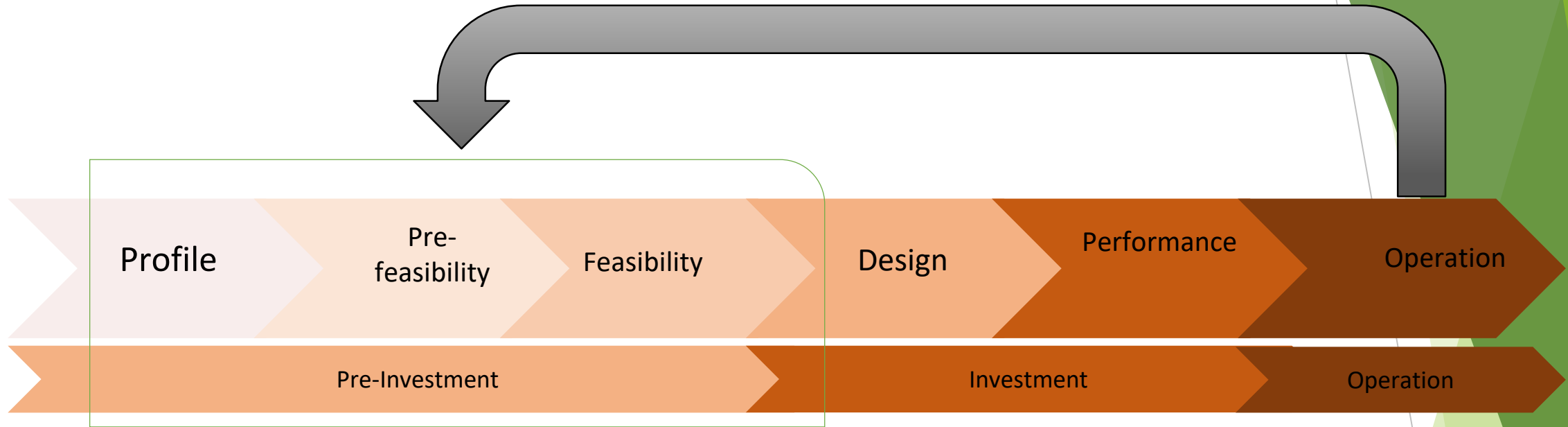


Source: GIZ-Mexico with information of SHCP 2019.

Acting coherently to change the paradigm from response to prevention



Public Investment and DRM



Source: General Guide for the presentation of Cost and Benefit Evaluations of Investment Programs and Projects” with a focus on disaster risk reduction, SHCP 2018.

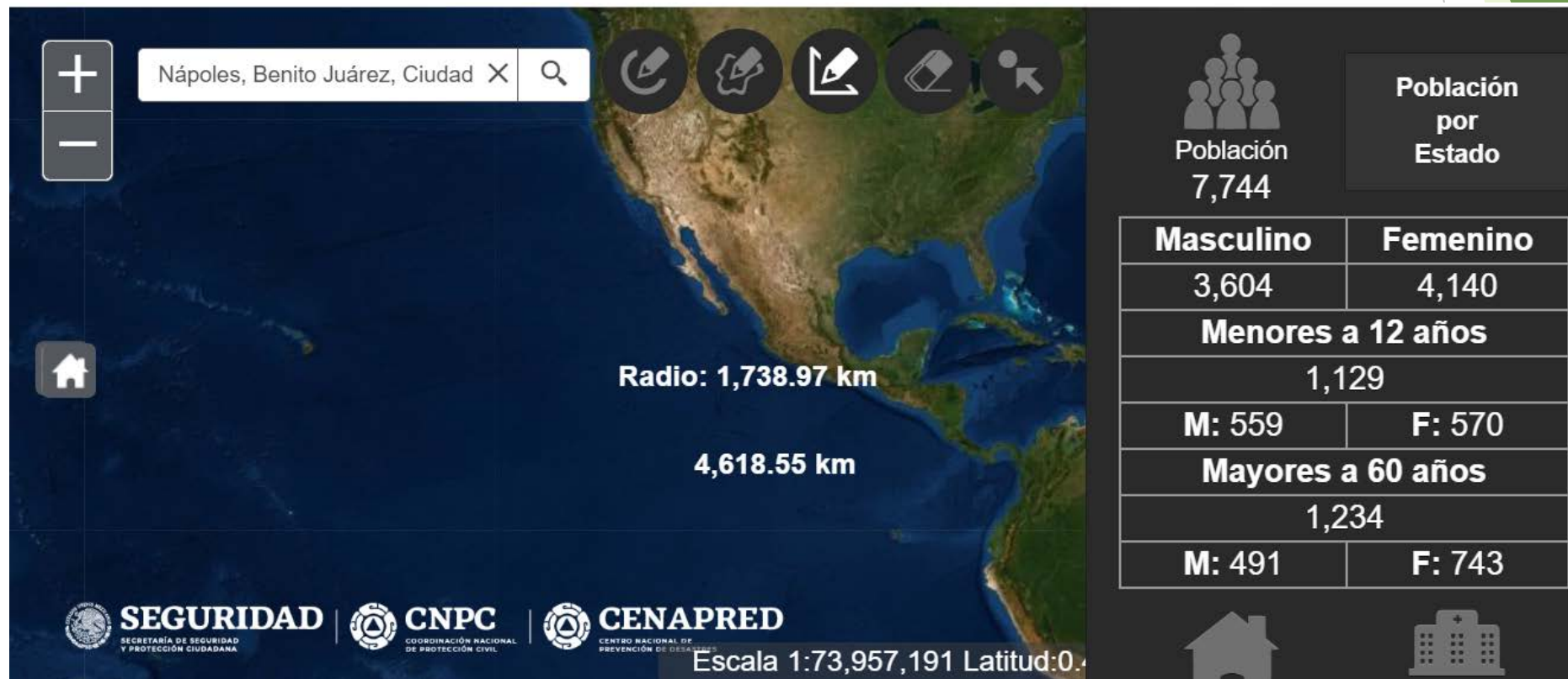
Methodological documents

- “Proposals for the inclusion of the disaster risk variable in the Analysis of Public Investment Projects in Mexico”
- “General Guide for the presentation of Cost and Benefit Evaluations of Investment Programs and Projects” with a focus on disaster risk reduction.

Available in:
<https://www.cepep.gob.mx/es/CEPEP/Materiales>

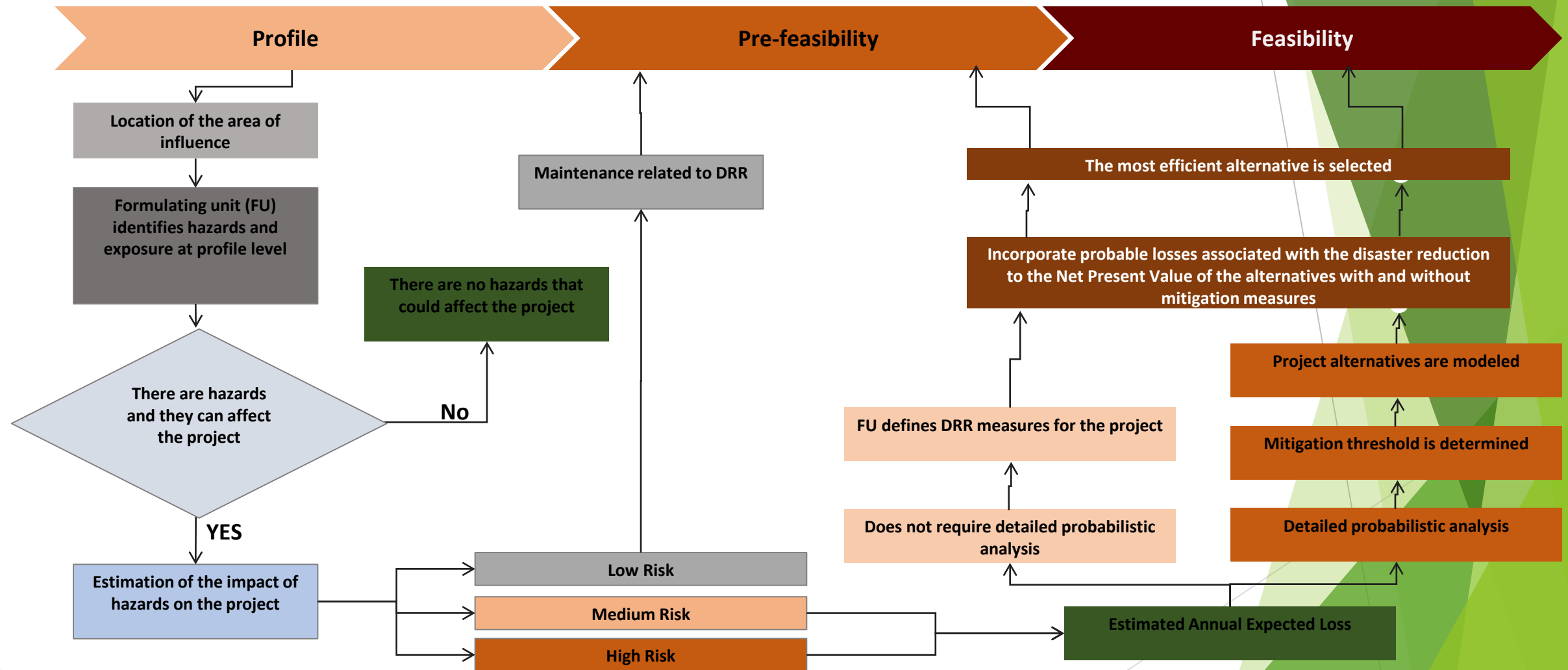
Tool: National Risk Atlas for risk informed decisions

The system integrates all the maps of the National Atlas of Risks, of danger, exposure, vulnerability and risk, classified according to the theme for visualization and analysis.



► <http://www.atlasmnacionalderiesgos.gob.mx/archivo/visor-capas.html>

Risk informed public investments: Mexican approach



Source: : Proposals for the inclusion of the disaster risk variable in the Analysis of Public Investment Projects in Mexico, SHCP-GIZ, 2018.

Final reflections

- Protecting infrastructure from damage and thereby reducing economic losses requires innovation. Mexico is developing specific methodologies and processes to this end.
- DRM is a crosscutting issue, as is public investment. Integrating the two requires interinstitutional cooperation and coordination.
- The Mexican case shows how the use and combination of innovative tools facilitate the aimed transformation:
 - Innovation in processes: designing coherent governmental processes between different Secretariats.
 - Innovation in risk analysis: Developing specific thresholds for integrating disaster risk considerations in public investment assessments.
 - Innovation in technology: Identifying and developing the technology to assist the analyses and processes.
- Also, this effort reveals the benefits of coherence among the different agendas, such as Agenda 2030, The Paris Agreement and of course the Sendai Framework for DRR in planning, implementing and reporting for a more effective approaches of DRM.
- The Mexican effort will contribute to the regional enhancement of incorporating DRM into public investment in the pre-investment phase.

Sandra Camacho-Otero

M S.C. Risk, Disaster and Resilience, UCL, London
Master un Public Policy, UIA, Mexico City

sandrap.co@gmail.com

+52 55 13638050