Priority 2: Strengthening governance

Three main pillars

We divided the policy actions for strengthening governance through science and technology into local and global, especially addressing the pressing need for:

- coordination at all levels,
- information/data sharing and transfers among a very comprehensive set of stakeholders,
- human and professional capital

Very important ingredients that we lack!

List of actions at local level (1)

- Addressing lack of coordination
  - Increase coordination between (i) government and private sector (and their real problems) and (ii) research institutions
  - Using decision making models for providing evidence in terms of optimal decisions
  - Medium

- Improving information transparency and quality for sharing purposes across governmental agencies through technology (opportunity for data sciences for visualisation and screening techniques for online access)
  Medium

- Incorporating the concept of resilience in various laws and regulation
  Short

List of actions at local level (2)

- Improving communication (through technologies) during the disaster

  Short to medium

- Focusing research money on resilience

  Short

- Training government and industry professionals to facilitate communication with research institutions

  Medium - Long

- Stakeholders: agencies for research (Conicyt, Corfo), relevant ministries (interior), local government organisations (municipalities, councils, etc), relevant industrial partners such as public utilities (water, electricity, etc.), lifelines (hospitals), parliament.

- Resources: Research funds dedicated to resilience, human capital and professional capital spread across the territory, infrastructure (experimental, computational, communications), authority/institutional trust

List of actions at global level (1)

- Identifying similarities among countries and work together in similar hazards
Medium
- Creating global resilience platform for sharing practices and research, information;
Short - Medium
- Fostering governments to provide best possible socio-economic data to analyse and study disasters
Medium long
- Instigating research institutions to publicly share all information and data that is funded by government
Short
- Creating international centres for "capacity building"
Medium-long
- Making joint calls for research projects across various countries
Short

- Stakeholders: United Nations, research agencies (Conicyt, Corfo), relevant ministries (interior), regional bodies (European Commission, APEC), parliament