



Holistic approach among private and public sector stakeholders

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Japan Bosai Platform (JBP)

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Bosai ▶ Holistic approach to reduce
disaster impacts

BOSAI(防災)

Holistic approach to reduce disaster impacts

Nature = Ecosystem

- Elements are interacting with each others and a whole.

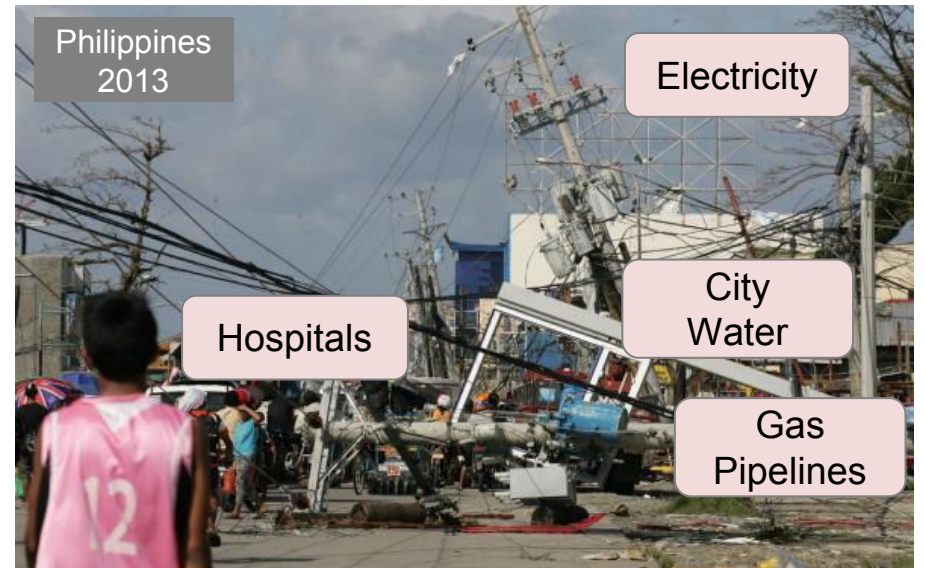
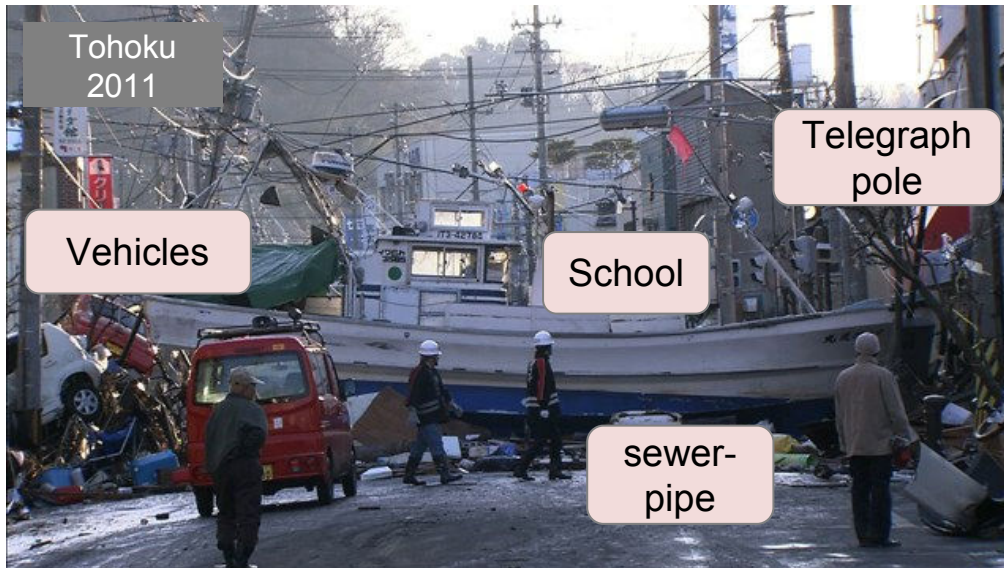


Our civilization itself is a complex entangled ecosystem.



Disaster Impacts are holistic

- When nature interacts with cities and communities, their impacts are holistic.



Source of images: IBC, KQED, Tsunami Research Center websites

Conclusion

- ✧ Disaster impacts are holistic.
- ✧ Preparation, Response and Recovery need to be holistic as well.

Two roles of private sector

1. Business Continuity Practitioner (for own business)
 2. Solution Provider: (for others)
- ❖ These are based on insights, science knowledge, technology and experiences.

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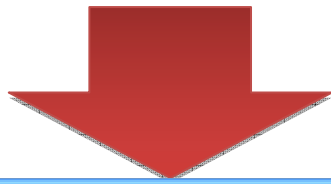
- JBP is a platform and catalyst for a multi-stakeholders (private , public and academic) to pursue a holistic approach to reduce disaster impacts around the world.
 - ❖ JBP is an open innovation platform as well
 - ❖ JBP is a single point of contacts for Japanese private sector capabilities.
- JBP has more than 100 member organizations, including private and public sectors.

Example of JBP's holistic approach

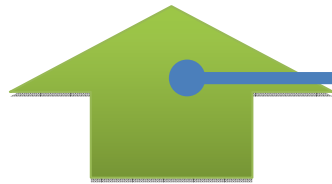
- We are designing a holistic map of solutions as a communication tool in order for JBP, Japanese government, central and regional governments to start jointly preparing for natural hazard in each country.
- Version 1.0 will be ready by March 2015.

The Solution Map helps stakeholders to identify the best holistic solution for them

Needs for Disaster Management of specific countries and regions



The best solution in accordance with the needs of the specific circumstances



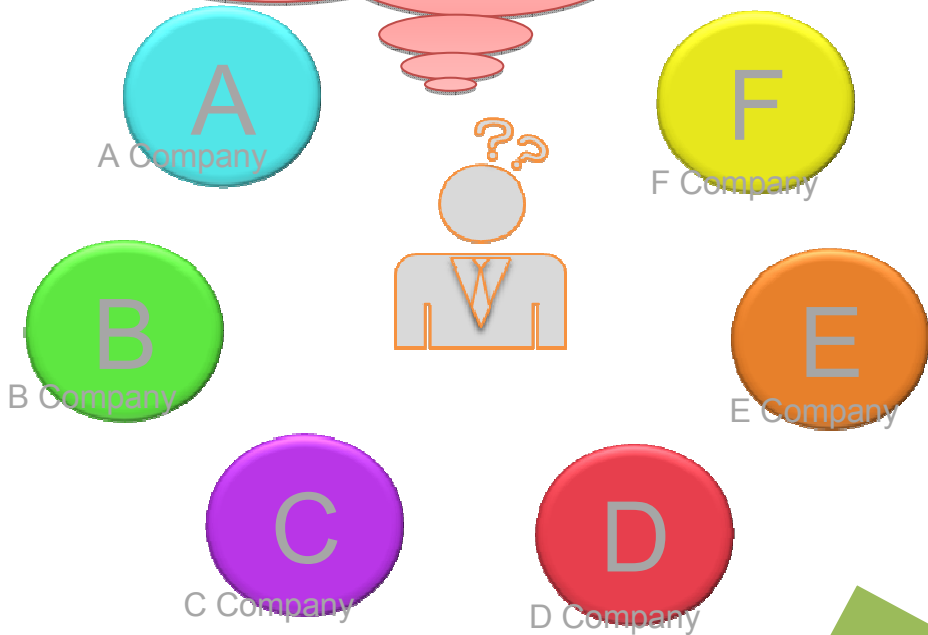
Holistic Potential Solutions

Influence Map	Headquarters	Police & Defense	Land & Water	Energy	Traffic	Residence	Health & Medication	Communication
Earthquake								
Volcano								
Slide								
Tsunami								
Flood								
Storm								
Wildfire								

Solution Map

The Solution Map is to design the Best Solution

How can we reduce disaster impacts?



Yes, that's it!

Holistic solution with a consistent concept.



A mere collection of silo solutions doesn't work effectively as an ecosystem.

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Solution Map

Key point is “Holistic Approach”

The holistic approach in terms of timeline

NEEDS



life

infrastructure

Society

PHASE	Phase Description	生活・社会機能維持(人命救助、救助)				都市・事業活動維持(ハビタビ、設備保全)					社会機能維持(行政、教育、福祉)						
		防災 (人命救助)	生活機能 (食料・電気・ガス・水)	生活・社会機能 (ハビタビ、設備保全)	復旧・復興	建物・工場 (設備保全)	水害 (ダム、河川、上下水道)	エネルギー・情報通信 (電気、ガス、熱供給)	交通 (道路、橋、鉄道、船、航空)	その他 (教育、福祉)	教育	福祉					
Prevention	1. 防災・生活機能維持(人命救助、救助)	023 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01
	2. 生活機能維持(食料・電気・ガス・水)	023 02 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01
Response	3. 復旧・復興	023 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01
	4. 社会機能維持(行政、教育、福祉)	023 02 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	006 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01	022 01 010 01 010 01

This holistic approach represents the various needs of a city

This is a holistic approach with a large number of solutions from over 100 JBP members

Single organized platform to design an Holistic Approach



Assessment: A browser window showing a map of Japan with a color-coded seismic hazard assessment. The map uses a scale from blue (low hazard) to red (high hazard).

Planning: A browser window displaying a complex project planning diagram. It includes a Gantt chart, a network diagram, and various data points related to project execution.

Prevention: A browser window featuring a 3D model of a slope stabilization project. Labels include 'Wire rope', 'Base plate', 'Steel bar', and 'Slope angle 31-40°'. It also includes photographs of the physical construction site.

Mitigation: A browser window showing a public information poster for '緊急地震速報' (Earthquake Early Warning) starting in October. The poster includes diagrams of how the system works and safety instructions.

Monitoring: A browser window illustrating a satellite-based monitoring system. It shows a satellite in orbit, ground stations, and a network of sensors on the ground, with text mentioning '写真提供: 宇宙航空研究開発機構 (JAXA)'.

Capacity Building: A browser window displaying a collage of images related to community training and preparedness. It includes photos of people in a meeting, a classroom setting, and a group of people practicing emergency drills.

**JBP is committed to reduce
disaster impacts
through a holistic approach**

Website: <http://bosai-jp.org/>