Template for DRH Database (ver.7.3)
Disaster Reduction Technology and Knowledge under Implementation Strategies

I. Heading	
1. Title	
2. Major significance (summary less than 60 words)	
3. Keywords	

II. Categories (Multiple answers allowed)	
4. Focus of this information Instruction for writers: - For definitions, see the DRH website. http://drh.edm.bosai.go.jp/	☐ Implementation Oriented Technology ☐ Process Technology ☐ Transferable indigenous knowledge

5. Anticipated users

| **5-1. Practitioners**

- Mark main and sub categories freely. There are no hierarchical rules.
- Items of "experts" may overlap with other categories. In that case, mark both categories. | ☐ Community leaders (voluntary base)
☐ Administrative officers
  ☐ Municipalities
  ☐ National governments and other intermediate government bodies (state, prefecture, district, etc.)
☐ NGO/NPO project managers and staff
☐ International organizations (UN organizations and programmes, WB, ADRC, EC, etc.)
☐ Commercial entrepreneurs
☐ Financing and insurance business personnel
☐ Experts
  ☐ Teachers and educators
  ☐ Architects and engineers
  ☐ Sociologists and political economists
  ☐ Information technology specialists
  ☐ Urban planners
  ☐ Rural planners
  ☐ Environmental/Ecological specialists

☐ Others (Explain using the blank space below.) |
| **5-2. Other users** | ☐ Policy makers
☐ Motivated researchers
☐ Local residents |

6. Hazards focused - Secondary hazard should be included in the categories of the original hazards. - Multi-hazard approach: Initiatives that focus on the combined risks of all hazards likely to occur in a given region.	☐ Earthquake ☐ Tsunami ☐ Volcanic eruption ☐ Landslide ☐ Mudflow ☐ Dust storm ☐ Cold wave ☐ Heat wave ☐ Zud ☐ Cyclone/ Typhoon ☐ Storm surge ☐ Flood ☐ Flash flood ☐ Glacial Lake Outburst Flood (GLOF) ☐ Snow avalanches ☐ Epidemic ☐ Wildfire ☐ Drought ☐ Desertification ☐ Climate change impact ☐ Land degradation ☐ Multi-hazard (Multi-hazard approach) ☐ Others (Explain using the blank space below. Other hazards, disaster chains, etc.)
7. Elements at risk	☐ Human lives ☐ Human networks in local communities ☐ Business and livelihoods ☐ Infrastructure ☐ Buildings ☐ Information and communication system ☐ Urban areas ☐ Rural areas ☐ Coastal areas ☐ River banks and fluvial basin ☐ Mountain slopes ☐ Agricultural lands ☐ Cultural heritages ☐ Others (Explain using the blank space below.)

	III. Contact Information	
8. Proposer(s) information (Writer(s) of this template) Name(s), position and affiliation, and other information (at least one of mailing address, e-mail address, tel. & fax.) are required.		
9. Place where the technology/ knowledge originated	**9-1. Country(ies)**	
	9-2. Location(s)	
10. Names and institutions of technology/knowledge developers		
11. Title of relevant projects if any		
12. References and publications		
13. Note on ownership if any		

	IV. Background	
14. Disaster events and/or societal circumstances, which became the driving force either for developing the technology/knowledge or enhancing its practice		

	V. Descriptions	
15. Feature and attribute (Aim and key mechanism to achieve the aim)		

16. Necessary process to implement (Procedure and major actors)	4/7
17. Strength and limitations (Positive and negative sides)	
18. Lessons learned through implementation if any	

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VI. Resources required

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19. Facilities and equipments required	
20. Costs, organization, manpower, etc.	

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VII. Message from the proposer (if any)

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Instruction for writers:
- Any message from you to readers regarding intention, interpretation, utilization, etc. of this technology/knowledge.

21. Your message	

VIII. Self evaluation in relation to applicability	
22. How do you evaluate the technology/knowledge that you have proposed? Instruction for writers: - Only a single answer allowed	*"It is a technology/knowledge that…"* ☐ a. has **high application potential** verified by implementation in various field sites. ☐ b. has **fair applicability** demonstrated by implementation in one or more field sites. ☐ c. is shown to be **effective** based on **case studies/experiments in field sites**. ☐ d. is shown to be **effective** based so far only on **scientific experiments in laboratory**. ☐ e. Others (Explain using the blank space below.)
23. Notes on the applicability if any	

IX. Application examples

Instruction for writers:
- Fill in this section with the examples that the technology/knowledge was applied to any fields. You may also write about ongoing projects.
- Writers who marked "a" and "b" in Section VIII are expected to provide as many examples as possible. Those who marked "c" to "e" are also strongly recommended to fill in here, but not compulsory.

No.1 (E1)			
E1-1. Project name if available			
E1-2. Place - Specify as much as possible.			
E1-3. Year		**E1-4. Investor**	
E1-5. People involved - Indicate all contributors with their titles when available.			
E1-6. Monetary costs incurred - Show the breakdown with approximate cost for each facility or equipment, if possible.			
E1-7. Total workload required (Time frame and human resources)			
E1-8. Evidence of positive results (Tangible / intangible)			

No. 2 (E2)			
E2-1. Project name if available			
E2-2. Place			
E2-3. Year		**E2-4. Investor**	
E2-5. People involved			

E2-6. Monetary costs incurred		
E2-7. Total workload required (Time frame and human resources)	6/7	
E2-8. Evidence of positive results (Tangible / intangible)		

No. 3 (E3)			
E3-1. Project name if available			
E3-2. Place			
E3-3. Year		**E3-4. Investor**	
E3-5. People involved			
E3-6. Monetary costs incurred			
E3-7. Total workload required (Time frame and human resources)			
E3-8. Evidence of positive results (Tangible / intangible)			

No. 4 (E4)			
E4-1. Project name if available			
E4-2. Place			
E4-3. Year		**E4-4. Investor**	
E4-5. People involved			
E4-6. Monetary costs incurred			
E4-7. Total workload required (Time frame and human resources)			
E4-8. Evidence of positive results (Tangible / intangible)			

No. 5 (E5)	
E5-1. Project name if available	
E5-2. Place	

E5-3. Year		E5-4. Investor	
E5-5. People involved			
E5-6. Monetary costs incurred			
E5-7. Total workload required (Time frame and human resources)			
E5-8. Evidence of positive results (Tangible / intangible)			

X. Other related parallel initiatives (if any)

XI. Remarks for version upgrade