**Information and Knowledge Management for Disaster Risk Reduction (IKM4DRR) Framework** – *draft*

*IKM4DRR Workshop, Global Platform for Disaster Risk Reduction, 20 May 2013*

*The scorecard exercise:*

*Can we use the framework as a tool to support our work?*

**Issues in Information and Knowledge Management**

The following issues in managing knowledge and information clarify the need for a systematic approach to guide collaboration and decision-making at all levels.

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| --- |
| **Does this describe your situation?** |
|  | Yes | Partially | No |
| Information is scattered among various agencies without coherence, coordination and sharing. |  |  |  |
| Information about hazard events, exposure, vulnerability, and the impacts of disasters is not systematically collected. |  |  |  |
| Different methodologies and tools are used for disaster risk information. |  |  |  |
| Standards or structured metadata are lacking. |  |  |  |
| Limited analysis has been done to understand the trends, spatial and temporal impacts of potential risks and their impacts. |  |  |  |
| Disaster risk information is not systematically used for policy and decision-making in disaster risk management. |  |  |  |
| Dedicated capacity and skill development in information and knowledge management are lacking, as well as communication.  |  |  |  |

**Principles and key concepts**

The following are the key concepts, ideas and principles in developing Information and Knowledge Management initiatives for DRR:

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| **Do you employ these principles and key concepts in your situation?** |
|  | Yes | Partially | No |
| Standards for information and knowledge management, including:  |  |  |  |
| * Accessibility
 |  |  |  |
| * Inclusivity
 |  |  |  |
| * Interoperability and compatibility
 |  |  |  |
| Collaborative partnerships to avoid duplication |  |  |  |
| * National and regional initiatives sharing data and information
 |  |  |  |
| Proactive, not reactive |  |  |  |
| Sustainability |  |  |  |
| * Systems managed and up-to-date/current
 |  |  |  |
| * Recognized as an asset and considered to beneficial
 |  |  |  |
| * Needs of the business or other practice involved addressed
 |  |  |  |
| * User driven (community-based), bottom-up
 |  |  |  |
| Communication is central and strategic: with users and all stakeholders |  |  |  |
| Transparency |  |  |  |
| * Risk information transparent and open to all
 |  |  |  |
| * Capture and share good practice and failures (ie. ‘lessons learnt’)
 |  |  |  |

**Enabling environment**

**Policy frameworks and legislation**

A major barrier to IKM4DRR can be the economy, politics, social divisions/ castes/privileges, power relations, systematic corruption and attitudes to risk. In this sense, legislation and policy frameworks that address these issues are key. Information sharing should be an obligation under the law and supported by policy.

In addition, DRR should be endorsed by leading agencies and legislations. As much as possible, the same language about DRR should be used, within its appropriate cultural context. There should be appropriate and widely accepted, clear terms and messages associated with DRR “branded” action for impact that reduces risk and vulnerability to disasters.

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| --- |
| **In your context, do you have policy or legislative frameworks that mandate the sharing of disaster and risk information? Or other policy?** |
| Issue addressed | Yes | In progress | No |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Have you standardized the use of DRR terminology?**  |
|  |  |  |  |
| **Have you localized DRR terminology?**  |
|  |  |  |  |

**Professionalization**

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| --- |
| **In your situation, how professionalized is IKM for DRR? Do you…?** |
| Issue addressed | Yes | In progress | No |
| Ensure sufficient capacities and resources  |  |  |  |
| Provide training, education and capacity development in relevant competencies |  |  |  |
| Cultivate information and knowledge professionals in DRR |  |  |  |
| Provide public education to enhance awareness and user/audience capacity  |  |  |  |

**Elements of a successful system**

**1. Stakeholder engagement and awareness creation**

There should be engagement and communication with all concerned stakeholders dialogue among all actors (i.e., governments, parliaments, citizens, organizations) and across all sectors (private, public, UN, etc.); with special attention given to local leaders, indigenous peoples and women shall address:

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| **In your situation, do you address…?** |
| Issue addressed with: | Local leaders | Indigenous peoples | Women |
| awareness about disaster risk and vulnerability, and DRR |  |  |  |
| stakeholder networks and communities |  |  |  |
| improved understanding between scientists and researchers and all other actors |  |  |  |
|  |  |  |  |

**2. Design and planning**

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| --- |
| **In your situation, does your design and planning …?** |
|  | Yes | Partially | No |
| IKM4DRR system demand analysis |  |  |  |
| * Establish business case
 |  |  |  |
| * Assess level of readiness
 |  |  |  |
| * Always start with and go back to user demand and needs
 |  |  |  |
| * Engage IKM and communications professionals at the start
 |  |  |  |
| People |  |  |  |
| * Focus on user needs
 |  |  |  |
| * Target users and build trust
 |  |  |  |
| * Consult stakeholders
 |  |  |  |
| * Respect indigenous knowledge
 |  |  |  |
| * Communicate with and promote to target users
 |  |  |  |
| Technology |  |  |  |
| * Capture and make available disaster risk and disaster loss data.
 |  |  |  |
| * Integrate social media, where appropriate
 |  |  |  |
| Sustainable Funding |  |  |  |
| * Budget for the entire IKM4DRR effort
 |  |  |  |

**3. Content**

Information should be captured and made available for analysis, co-creation and synthesis where appropriate. The following are a number of content types you may wish to capture:

* Disaster losses
* Projects and initiatives
* Institutional capabilities and professional expertise
* Disasters and risk - data and statistics
* Historic disasters and major hazards
* Risk assessment studies / projects
* News and announcements.
* Policy, plans, statements and legislation
* Descriptions of national and regional coordination mechanisms
* Hyogo Framework for Action progress reports (national, regional and local)
* Event calendar of meetings, conferences, training and workshops
* Networks and communities of practice
* Country profiles
* City profiles
* Academic programmes
* Jobs
* Fact sheets
* Methodologies and tools
* Contact directory of organizations and people
* Documents and publications
* Terminology for DRR
* Audio and video content
* Educational materials
* Maps (hazard, risk and vulnerability)
* Social media (microblogs, blogs, networks)
* Online resources (websites and online databases)

**4. Monitoring and evaluation**

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| --- | --- | --- | --- |
| **In your situation, do you…?** | Yes | Partially | No |
| Formulate and use indicators based on action and change |  |  |  |
| Evaluate regularly |  |  |  |
| Communicate evaluation results  |  |  |  |
| Evaluate resilience after a project has taken place, not during when it is too early to measure resilience. |  |  |  |
| Conduct participatory appraisals |  |  |  |
| Accountability processes to measure outcomes based on decisions made (or not made) |  |  |  |

**5 Learning from failures and good practice**

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| --- | --- | --- | --- |
| **In your situation, do you …?** | Yes | Partially | No |
| Use methods and approaches that facilitate the capturing of good practice and flow of information and knowledge |  |  |  |
| Develop smart practice templates |  |  |  |
| Take stock of both failures and successes |  |  |  |

**Communicating impact**

|  |  |  |  |
| --- | --- | --- | --- |
| **In your situation, do you…?** | Yes | Partially | No |
| Develop a strategic communication plan - externally and internally |  |  |  |
| Share successes and failures in ‘lessons learnt’ |  |  |  |
| Communicate regularly with stakeholders and users – capture their stories |  |  |  |