Common template for risk assessment and management operational tools and best practices identification (Action B1)

Title: Operational Tools and Best Practices for Risk Assessment and Management

The identification of tools and best practices on risk assessment and management helps providing an idea of the state of the art in the field. By completing this form, the best practice will be included in the knowledge repository platforms and available for the practitioner community to use. We encourage the user to complete as many fields as possible from the template in order to provide the most relevant information needed to apply the best practice to other practitioners. Instructions:

- **Blue boxes are mandatory fields**
- **More than one item can be selected in multiple choice boxes**

Document classification

Title	**Post fire platform database**
Description *[1 sentence]*	**The database gathers information on fire behaviour and effects to the ecosystem of multiple fire events. This information is then available to scientists, land managers, fire analysts, etc.**
Country, location	**Spain/International**
Date	**2017**
Contact e-mail	**Info@paucostafoundation.org**
Institution	**Pau Costa Foundation, Local government of Tivissa**
Net Risk Work Partner	**1T**
Document type	**1T**
Language	■ Catalan ■ English ☐ French ☐ German ☐ Italian ☐ Spanish ☐ Other
Source/origin	■ Partner's expertise ☐ Expertise from the network ☐ Other (internet)

Topic

Area	■ Risk assessment	☐ Risk Planning	■ Risk Management
Risk	■ **Wildfires**	■ Fire behaviour patterns and typologies ■ Fire ignition and spread models ■ Wildland urban interface	■ Fuel management ☐ Fire service needs ☐ Prescribed burning ☐ Other *[Introduce which ones]*
	☐ **Storms**	☐ First measures after storm ☐ Work safety during salvage logging ☐ Timber storage and cost containment ☐ Forest protection and pest control	☐ Regeneration and afforestation ☐ Preventive sylvicultural measures ☐ Other *[Introduce which ones]*
	☐ **Avalanches**	☐ Technical protective measures ☐ Maintenance of protection forests	☐ Other *[Introduce which ones]*
	☐ **Floods**	☐ Prevention through land use management ☐ Technical protective measures	☐ Other *[Introduce which ones]*
	☐ **Other**		*[Introduce which ones]*
Cross-sectorial topics	■ Risk and vulnerability assessment and mitigation	☐ Risk planning, governance and policy framework	

	☐ Cost-effectiveness assessment ■ Civil protection, emergency and post-disaster management ☐ Community involvement and risk communication ■ Other: Foster interaction between practitioners and scientists
Level	■ Local ■ Regional ☐ National ☐ Cross-border ☐ EU ☐ Global
DRM cycle phase	☐ Prevention ☐ Preparedness ■ Response ■ Recovery
DRM domain	☐ Policy making ☐ Early warning system ■ Disaster response
Sendai priorities	■ Priority 1: Understanding disaster risk ☐ Priority 2: Strengthening disaster risk governance to manage disaster risk ■ Priority 3: Investing in disaster risk reduction for resilience ■ Priority 4: Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction
Contribution to Sendai Targets	☐ Reduce global disaster mortality ☐ Reduce the number of affected people ☐ Reduce the direct disaster economic loss ☐ Reduce disaster damage to critical infrastructure ■ Increase the number of national and local disaster risk reduction strategies ☐ Enhance international cooperation to developing countries ■ Increase availability of and access to multi-hazard early warning systems and disaster risk information and assessment

Description and analysis

Summary: quick presentation of the Good Practice *[Objective: summarize in a few lines the key elements of the good practice]*

Place in national/regional policy *[Mentioned in the law/regulation/guidelines? Mandatory? Recommended?]*

Can be used to provide recommendations for regional and national policy

Goals and achievements *[Objectives, goals and the achievements of the Good Practice]*

- Provide in a centralised way the data needed to analyse wildfire events
  - Gather all the resources that are available online in different websites in the same site
  - Gather survey data that is not available elsewhere in other websites
  - Gather multimedia resources related to the fire event
- Provide information about multiple wildfire events that can be compared and analysed

Actors involved *[Explain who is involved in the development: practitioners, stakeholders, educators, …]*

- Fire and Rescue Services
- Scientists
- Land planners
- Fire practitioners

Implementation stage *[Is it operational? Since how long? Is it a pilot experiment?]*

- Pilot experiment, (operational end of 2017)

State of technical knowledge *[state of the art and technical background of the Best Practice]*

-

Context *[regulatory, socio-economic, political]*

- Lack of quality information about the fire events that can be provided to actors interested to analyse a wildfire event.

Detailed Characteristics [*Objective: detail the implementation conditions of the Good Practice]*

Description of the implementation steps *[different stages in the implementation process, duration]*

- To gather all the information available about a wildfire event
- Quality check to assure the data that will be provided follows a quality standard
- Analyse potential data to collect and survey
- Engage users of the platform
- Engage users to also provide data inputs on wildfire events from other regions

Governance *[responsible authority and roles of the different actors involved]*

-

Necessary means to implement the Good Practice in efficient conditions *[human resources, materials, financial...]*

- Qualified technical staff to run the database
- Web platform development, taking into account human and financial resources
- Capabilities to conduct field surveys and data collection after wildfire events

Challenges encountered during implementation and solutions incurred

- The database is used by the identified actors, both as users and providers of data

Priorities identified for successful implementation of the Good Practice

- Quality check of the data must be done to assure the data can be used for scientific purposes
- Engage users to participate and share content with open access for the scientific community and the fire community
- Protect the data with the right standards for reuse for non-profit organisations

Impact of the Good Practice *[Objective: evaluate the impact of the Good Practice].*

[Added value on decision processes, on national policies or regulations, on relationship with stakeholders, etc.]

- The data provided can be used to analyse past wildfires and helps for:
  - Scientific studies, that can inform decision taking, stakeholders and policy makers
  - Used to analyse fire patterns by the fire and rescue services technical team
  - Help decision makers to take decisions during wildfire events
  - Help land managers to take decisions based on fire effects after the event

Future developments *[Objective: understand the follow-up perspectives]*

[Continuation, future improvements,]

- Include analysis tools integrated in the platform
- Centralise information from as many case studies as possible

External resources *[Objective: provide further information]*	
Attached materials	*[include format (document, photo, video…) and name of the file]*
Web links	To provide
Contacts	

[Additional information - optional]

Lessons learnt [*Objective: compare the results obtained to the objectives set at the start of the Good Practice]*

Evaluation process, if exists (internal or external)

Assessment of results (quantitative and qualitative) and comparison with main goals • The platform is used by the scientific community at a regional level, as users but also providing their own data to share with other experts • The network expands at a national and international level • More platform capabilities can be added on a 'on-demand' basis according to user requirements
Negative aspects identified
Unexpected consequences (short / mid / long term) and corrective measures implemented • There should be qualified technical staff from the organising entity to engage users and assure the quality of the data

Durability and transferability [*Objective: evaluate the integration of the Good Practice and its sustainability, give recommendations for transferability]*				
Is this information:	**Replicable**		**Measurable**	
Regulatory Framework • Assure data protection under the correspondent regulatory standards				
Stability of the human environment *[Stability of partnership, structures, population enabling successful implementation and positive impact in the long term]* • Participation and engagement is open access				
Financial requirements *[business model]* • A financial model has not been used to develop the platform so far • No incomes are expected from this best practice • A financial model may be required if successive improvements on the platform shall be applied				
Success factors *[political, technical, human, financial...]* • The hosting entity is capable of reaching a broad audience and engage interested actors at a regional, national and international level • The necessary funds to sustain an improve the platform are reached				
Risk factors *[legal, financial, safety…]* • The required quality of the data is not met and the database cannot be fed with new study cases • Users do not follow the data protection standards • Not enough users are engaged to use the platform				
Additional and non-formal experiences contributing to the implementation of Good Practice *[free text – 5 lines max]*				