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	**MEFYTU**
Description *[1 sentence]*	**Fire risk education and awareness program addressed to children, scholars and teachers**
Country, location	**Spain**
Date	**Since 2004**
Contact e-mail	**info@paucostafoundation.org**
Institution	**Pau Costa Foundation**
Net Risk Work Partner	**PCF**
Document type	**Best practice**
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 behavior patterns and typologies ☐Fire ignition and spread models ☐Wildland urban interface		☐Fuel management ☐Fire service needs ☐Prescribed burning ☒Other *Societal awareness*
	☐**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-sectoral topics	☐Risk and vulnerability assessment and mitigation		☐Risk planning, governance and policy framework	

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	☐ Cost-effectiveness assessment ☐ Civil protection, emergency and post-disaster management	☒ Community involvement and risk communication ☐Other: [Introduce which ones]
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?]* • Local and regional educational policy
Goals and achievements *[Objectives, goals and the achievements of the Good Practice]* • To enhance societal risk awareness • To improve societal resilience against fire-crisis events • To engage teachers and schools to risk awareness actions • To foster knowledge – sharing actions among society and emergency responders • To develop an overall risk awareness program to enhance resilience and acceptance of society against all kinds of hazards.
Actors involved *[Explain who is involved in the development: practitioners, stakeholders, educators, …]* • Local population • Scholars and teachers • Children from youth associations • Educators • Regional fire emergency response system
Implementation stage *[Is it operational? Since how long? Is it a pilot experiment?]* • Implemented at local level (60 schools, 3,000 children) • Not implemented at regional level. • Implemented at national level as pilot-site in Castilla-La Mancha region.
State of technical knowledge *[state of the art and technical background of the Best Practice]* • The content of the workshop has been validated for both technical (fire ecology, emergency management, self-protection, etc.) and pedagogical objectives. • Porfessionals from the regional emergency response system are invited to provide their knowledge during the workshop.
Context *[regulatory, socio-economic, political]*

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- Non-existence of regional – local programs for fire risk awareness program, addressed to children.
- Official certification and acceptance is compulsory for regional and national implementation.

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

Description of the implementation steps [*different stages in the implementation process, duration*]
1. Preparation and training session for teachers (1/2 day)
2. Classroom session for children: fire as natural disturbance
3. Real fire demo on-site. Scenario prepared by the fire responders, addressed to children: differences between high-intensity fire and low-intensity fire.
4. Outdoor activity: visit to the burned site, including educational games, talks and demos.

Governance [*responsible authority and roles of the different actors involved*]
- National education department

Necessary means to implement the Good Practice in efficient conditions [*human resources, materials, financial...*]
- Human
  - 1 instructor per 10 scholars
- Demo material

Challenges encountered during implementation and solutions incurred
- Lack of interest from administration to develop a national and overall risk assessment program among childrens

Priorities identified for successful implementation of the Good Practice
- To engage local authorities
- To engage teachers and educators
- To share these actions with the media in order to spread the best practice
- To visit burnt areas close to the school

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.*]
- Mefytu was created by Catalan Fire Service as fire educational programme addressed to children, conducted by firefighters. This project has continued to expand since its creation an is in constant evolution and improvement.
- Deployment of national pilot-site in Castilla – La Mancha
- Involve the local community on understanding the role of fire on the ecosystem and its effects

Future developments [*Objective: understand the follow-up perspectives*]
- Continuous improvement of the workshop in a way that it is more dynamic, and can be adapted to the needs of the children according to their local and regional enviroment.

External resources [*Objective: provide further information*]	
Attached materials	[*include format (document, photo, video…) and name of the file*]
Web links	https://www.youtube.com/watch?v=7-S3tHX52M8&index=1&list=PLg9vWkdCUr2lDLeuWczwuqhZIXCNzqXDh&t=2s
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) *[free text – 5 lines max]*
Assessment of results (quantitative and qualitative) and comparison with main goals • Average of 40 schoolars per session • Active engagement local authorities during Mefytu sessions
Negative aspects identified *[free text – 5 lines max]*
Unexpected consequences (short / mid / long term) and corrective measures implemented *[free text – 5 lines max]*

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 *[free text – 5 lines max]*			
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 to all sort of non-profit entities that are interested in the project.			
Financial requirements *[business model]* • Each school must cover these activities with their own resourses • The budget is estimated according to the duration of the workshop			
Success factors *[political, technical, human, financial...]* *[free text – 5 lines max]*			
Risk factors *[legal, financial, safety…]* *[free text – 5 lines max]*			
Additional and non-formal experiences contributing to the implementation of Good Practice *[free text – 5 lines max]*			

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