

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	Wildfire Investigation Northern Ireland
Description <i>[1 sentence]</i>	After a severe fire season, some of the most prominent and sensitive fires should be investigated for cause and origin.
Country, location	Northern Ireland
Date	18-23 June 2017
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Institution	EFI
Net Risk Work Partner	EFICENT
Document type	Case study
Language	<input type="checkbox"/> Catalan <input checked="" type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> German <input type="checkbox"/> Italian <input type="checkbox"/> Spanish <input type="checkbox"/> Other
Source/origin	<input checked="" type="checkbox"/> Partner's expertise <input checked="" type="checkbox"/> Expertise from the network <input type="checkbox"/> Other (internet)

Topic

Area	<input type="checkbox"/> Risk assessment	<input type="checkbox"/> Risk Planning	<input checked="" type="checkbox"/> Risk Management
Risk	<input checked="" type="checkbox"/> Wildfires	<input type="checkbox"/> Fire behaviour patterns and typologies <input checked="" type="checkbox"/> Fire ignition and spread models <input type="checkbox"/> Wildland urban interface	<input type="checkbox"/> Fuel management <input type="checkbox"/> Fire service needs <input type="checkbox"/> Prescribed burning <input checked="" type="checkbox"/> Other <i>[Fire Investigation]</i>
	<input type="checkbox"/> Storms	<input type="checkbox"/> First measures after storm <input type="checkbox"/> Work safety during salvage logging <input type="checkbox"/> Timber storage and cost containment <input type="checkbox"/> Forest protection and pest control	<input type="checkbox"/> Regeneration and afforestation <input type="checkbox"/> Preventive silvicultural measures <input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input type="checkbox"/> Avalanches	<input type="checkbox"/> Technical protective measures <input type="checkbox"/> Maintenance of protection forests	<input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input type="checkbox"/> Floods	<input type="checkbox"/> Prevention through land use management <input type="checkbox"/> Technical protective measures	<input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input type="checkbox"/> Other		<i>[Introduce which ones]</i>
Cross-sectoral topics	<input checked="" type="checkbox"/> Risk and vulnerability assessment and mitigation	<input checked="" type="checkbox"/> Risk planning, governance and policy framework	

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

Description and analysis

<p>Summary: quick presentation of the Good Practice <i>[Objective: summarize in a few lines the key elements of the good practice]</i></p> <p><i>Fire Investigation is a neglected topic across Europe. However, understanding causes of fires is the first key information for any prevention work or fire management strategy. 90% of wildfires are human caused.... Northern Ireland hosted an investigation workshop in March 2017 and has to asked for assistance to investigate suspected arson fires. The FRISK network could provide experienced investigators from 2 countries and form a team to be sent over to NI.</i></p>
<p>Place in national/regional policy <i>[Mentioned in the law/regulation/guidelines? Mandatory? Recommended?]</i></p> <p><i>The issue of receiving an international team for investigation demanded a political process in the ministry of environment. This boosted the whole fire management policy approach and development a great step ahead.</i></p>
<p>Goals and achievements <i>[Objectives, goals and the achievements of the Good Practice]</i></p> <p><i>The overall goal was to show that connect-collect-exchange FRISK motto is working and that it can deliver support in the form of expert exchange.</i></p>
<p>Actors involved <i>[Explain who is involved in the development: practitioners, stakeholders, educators, ...]</i></p> <p>Practitioners and administration from ministry of environment and agriculture NI Fire Service Netherland Police Service Netherlands Fire service South Wales EFI</p>
<p>Implementation stage <i>[Is it operational? Since how long? Is it a pilot experiment?]</i></p> <p>18-23 June 2017</p>
<p>State of technical knowledge <i>[state of the art and technical background of the Best Practice]</i></p>

Based on USA and AUS fire investigation standards, cause and origin determination	
Context <i>[regulatory, socio-economic, political]</i>	
political	

Detailed Characteristics <i>[Objective: detail the implementation conditions of the Good Practice]</i>	
Description of the implementation steps <i>[different stages in the implementation process, duration]</i>	
Active network, budget and will to host a training workshop, based on that the need to investigate a real fire, budget to mobilise a team of experts, find experts that are available, coordinate the process and provide remote support	
Governance <i>[responsible authority and roles of the different actors involved]</i>	
<i>[free text – 5 lines max]</i>	
Necessary means to implement the Good Practice in efficient conditions <i>[human resources, materials, financial...]</i>	
Mandate of Employer to act for FRISK Coordination capacity Group of available experts (with agreement of their employers!) Operational Budget Mission support, Logistics etc. through FRISK secretariat	
Challenges encountered during implementation and solutions incurred	
Missing budget, missing mandate, missing MoU on FRISK cooperation	
Priorities identified for successful implementation of the Good Practice	
See above	

Impact of the Good Practice <i>[Objective: evaluate the impact of the Good Practice].</i>	
<i>[Added value on decision processes, on national policies or regulations, on relationship with stakeholders, etc.]</i>	
Impact can only be described after 23 June	

Future developments <i>[Objective: understand the follow-up perspectives]</i>	
<i>[Continuation, future improvements,]</i>	
It showed the urgent need to formalize the FRISK model of cooperation, we need budget and MoU with the network partners to create a FRISK mandate so that experts from the network are free to allocate time to FRISK activities.	

External resources <i>[Objective: provide further information]</i>	
Attached materials	<i>[include format (document, photo, video...) and name of the file]</i>
Web links	
Contacts	

[Additional information - optional]

Lessons learnt <i>[Objective: compare the results obtained to the objectives set at the start of the Good Practice]</i>
Evaluation process, if exists (internal or external) <i>[free text – 5 lines max]</i>
Assessment of results (quantitative and qualitative) and comparison with main goals <i>[free text – 5 lines max]</i>
Negative aspects identified <i>[free text – 5 lines max]</i>
Unexpected consequences (short / mid / long term) and corrective measures implemented <i>[free text – 5 lines max]</i>

Durability and transferability <i>[Objective: evaluate the integration of the Good Practice and its sustainability, give recommendations for transferability]</i>		
Is this information:	Replicable <input checked="" type="checkbox"/>	Measurable <input type="checkbox"/>
Regulatory Framework <i>[free text – 5 lines max]</i>		
Stability of the human environment <i>[Stability of partnership, structures, population enabling successful implementation and positive impact in the long term]</i> This case is helpful to further stabilize the cooperation with Northern Ireland, the fire investigators network and to show case that FRISK can work operationally and provide support		
Financial requirements <i>[business model]</i> € 5000-7500		
Success factors <i>[political, technical, human, financial...]</i> <i>[free text – 5 lines max]</i>		
Risk factors <i>[legal, financial, safety...]</i> <i>[free text – 5 lines max]</i>		
Additional and non-formal experiences contributing to the implementation of Good Practice Creating TRUST and MOTIVATION		