

## 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

<b>Title</b>	<b>The Regional List of Voluntary organization</b>
<b>Description</b> <i>[1 sentence]</i>	<b>Volunteer associations are an operative structure of the Civil Protection system and one of its most vital components in supporting disaster response, risk prevention and population protection</b>
<b>Country, location</b>	<b>Regione Autonoma della Sardegna - DG Civil Protection</b>
<b>Date</b>	<b>established in 5<sup>th</sup>.06.2013 - ongoing</b>
<b>Contact e-mail</b>	<b>scarrus@regione.sardegna.it</b>
<b>Institution</b>	<b>Regione Autonoma della Sardegna - DG Civil Protection</b>
<b>Net Risk Work Partner</b>	<b>DGPC RAS</b>
<b>Document type</b>	<b>Best practice</b>
<b>Language</b>	<input type="checkbox"/> Catalan <input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> German <input checked="" type="checkbox"/> Italian <input type="checkbox"/> Spanish <input type="checkbox"/> Other
<b>Source/origin</b>	<input checked="" type="checkbox"/> Partner's expertise <input type="checkbox"/> Expertise from the network <input type="checkbox"/> Other (internet)

### Topic

<b>Area</b>	<input type="checkbox"/> Risk assessment	<input type="checkbox"/> Risk Planning	<input type="checkbox"/> Risk Management
<b>Risk</b>	<input checked="" type="checkbox"/> <b>Wildfires</b>	<input checked="" type="checkbox"/> Fire behaviour patterns and typologies <input checked="" type="checkbox"/> Fire ignition and spread models <input checked="" type="checkbox"/> Wildland urban interface	<input type="checkbox"/> Fuel management <input type="checkbox"/> Fire service needs <input type="checkbox"/> Prescribed burning <input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input type="checkbox"/> <b>Storms</b>	<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 sylvicultural measures <input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input type="checkbox"/> <b>Avalanches</b>	<input type="checkbox"/> Technical protective measures <input type="checkbox"/> Maintenance of protection forests	<input type="checkbox"/> Other <i>[Introduce which ones]</i>
	<input checked="" type="checkbox"/> <b>Floods</b>	<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"/> <b>Other</b>		<i>[Introduce which ones]</i>
<b>Cross-sectoral topics</b>	<input type="checkbox"/> Risk and vulnerability assessment and mitigation <input type="checkbox"/> Cost-effectiveness assessment	<input type="checkbox"/> Risk planning, governance and policy framework	



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

## Description and analysis

<p><b>Summary: quick presentation of the Good Practice</b> <i>[Objective: summarize in a few lines the key elements of the good practice]</i></p>
<p>Place in national/regional policy <i>[Mentioned in the law/regulation/guidelines? Mandatory? Recommended?]</i></p> <p>Civil protection volunteering organizations are regulated by law and directives:</p> <ul style="list-style-type: none"> <li>- Law no. 225/1992 establishes the National Civil Protection Service and identifies volunteering as an operational structure of the Service by indicating its scope of activity;</li> <li>- DPR 194/2001 regulates the participation of voluntary organizations in civil protection activities, registration in the registers and benefits for enrolled volunteers;</li> <li>- Sardinia Regional Law no. 3/1989 establishes the regional register of Volunteering Organizations;</li> <li>- Prime Ministers' Directive of 9 November 2012 establishes that volunteering organizations participating in training activities and prevision, prevention and emergency response must be entered in the National List of Volunteering Organizations;</li> <li>- Resolution of the Regional Council no. 21/30 of 5th.06.2013, pursuant to the Prime Minister's Directive of 9 November 2012, establishing Regional List of Civil Protection Volunteering at the General Directorate of Civil Protection of Region Sardinia.</li> </ul> <p><i>[free text – 5 lines max]</i></p>
<p>Goals and achievements <i>[Objectives, goals and the achievements of the Good Practice]</i></p> <p>Voluntary associations integrate with other members of the regional civil protection system, ensuring a rapid response across the regional territory and protecting communities in collaboration with other entities on the principle of horizontal subsidiarity. They provide relief and assistance to populations in the event of disasters and contribute to the management of emergencies with their competencies and areas of expertise such as rescue and health care, forestry fire fighting, telecommunications, hosting camps, heritage conservation, and territory monitoring. Volunteer organizations work daily for risk forecasting and prevention and carry out training activities. The institutions support volunteering associations as an expression of active citizenship by guaranteeing their development and autonomy as they represent a valuable social resource and a valuable support to meet the many different needs of civil protection.</p>

<i>[free text – 5 lines max]</i>
Actors involved <i>[Explain who is involved in the development: practitioners, stakeholders, educators, ...]</i> Citizen, rural population, municipalities, local/regional authorities, CFVA, Forestas Agency, Prefects, Sardinia Region Civil Protection members. <i>[free text – 5 lines max]</i>
Implementation stage <i>[Is it operational? Since how long? Is it a pilot experiment?]</i> Consolidated implementation stage. Volunteering activities are planned in the regional and municipal planning plan and integrate the activities of the other operational components of the regional civil protection system. <i>[free text – 5 lines max]</i>
State of technical knowledge <i>[state of the art and technical background of the Best Practice]</i> The same organizations, institutional partners and Directorate General of Civil Protection organize training courses, practical exercises, professional qualifications aimed at specializing members of organizations. <i>[free text – 5 lines max]</i>
Context <i>[regulatory, socio-economic, political]</i> In Sardinia volunteering, has grown strongly in qualitative and quantitative terms in recent years as a result of increasingly widespread local emergencies. Currently in the regional list are registered no. 167 organizations with more than 7,000 members. Regional volunteering also intervenes in national emergencies and in extraordinary activities; currently, it provides regular service in the port of Cagliari to face the huge migrant emergency attempting to land in southern Europe using Mediterranean route through insecure boats. <i>[free text – 5 lines max]</i>

<b>Detailed Characteristics</b> <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> Enrolment in the Regional List of Civil Protection Organizations is a necessary condition for accessing regional, provincial and municipal contributions and redemptions, for conventions and for allocating funds and equipment for use by volunteering entities. For the admission into the regional list, volunteering organizations need to have appropriate operational requirements. Each organization is enrolled and operate in one or more several specialist sectors: <ul style="list-style-type: none"> <li>- fire prevention (operational activities relating to forest and / or interface areas, industrial areas, mobile and fixed look-out, supervision and self-training);</li> <li>- special Operations (operational activities relating to ecology / environment, chemical / biological, industry, road structures, evacuations, emergency logistics including sanitary, kitchens, electricity, hydraulics, carpentry, etc., special vehicles handling and transport);</li> <li>- sea (operational activities relating to coast and sea surveillance, sea-going rescue, diving, bathing and / or observation assistants and self-training);</li> <li>- search for missing people in calamity cases; in the other cases, they support police forces and Prefects (operating activities related to environmental hiking guide, speleology, underwater speleology, canoeing)</li> <li>- radio communications (operating classes for radio amateurs, national, regional, provincial, local and auto-training).</li> </ul> The Regional List, constantly updated, is published on the Regional Civil Protection Institutional website, with the information needed to identify the organization. To maintain membership at the Regional List, volunteer organizations must annually prepare operational programs on a format prepared by the Directorate General of Civil Protection per a specific memorandum of understanding.

<i>[free text – 5 lines max]</i>	
<b>Governance</b> <i>[responsible authority and roles of the different actors involved]</i> Responsible authority is the DG Civil Protection - Emergency planning and management service. <i>[free text – 5 lines max]</i>	
Necessary means to implement the Good Practice in efficient conditions <i>[human resources, materials, financial...]</i> It is needed a strongly active citizenship for solidarity purposes. Volunteering must be understood as personal, spontaneous and free, non-profit-making activity. Volunteering activities cannot be paid in any way; only the actual expenses incurred for the provided activity can be reimbursed by the membership organization. Organizations carry out voluntary activities through their own structures and assets and/or public assets regulated by conventions in the ways provided by law. Public financial resources and private donations are needed to refund expenses incurred by volunteering. <i>[free text – 5 lines max]</i>	
Challenges encountered during implementation and solutions incurred <ul style="list-style-type: none"> <li>- Continuous training and specialization are needed for a qualified participation of volunteering in civil protection activities. The Directorate-General therefore directly and indirectly supports the training of members of associations, with particular training programs.</li> <li>- Irregular special distribution of volunteering is a critical issue that is overcome with the effort to spread the culture of social solidarity and civil protection in order to involve a greater number of people.</li> </ul> <i>[free text – 5 lines max]</i>	
Priorities identified for successful implementation of the Good Practice Disseminating knowledge of civil protection culture and territorial risks, and involve citizens in civil protection issues. <i>[free text – 5 lines max]</i>	
<b>Impact of the Good Practice</b> <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> Relationships between PC components, field operations, continuous training improve citizen trust in institutions and the perceived reliability of government in emergency management. <i>[free text – 5 lines max]</i>	
<b>Future developments</b> <i>[Objective: understand the follow-up perspectives]</i> <i>[Continuation, future improvements,]</i> Improving economic and social conditions to support and expand volunteering. Volunteering guarantees operational presence in the territories for civil protection needs and for prompt intervention in case of disaster, so next step is a better spatial distribution of volunteering with a minimum 1 organization/municipality. <i>[free text – 5 lines max]</i>	
<b>External resources</b> <i>[Objective: provide further information]</i>	
Attached materials	<i>[include format (document, photo, video...) and name of the file]</i> Pdf format documents: <ul style="list-style-type: none"> <li>a) Regional Council Resolution no. 21/30 5<sup>th</sup>.06.2013 establishing the Regional List of Civil Protection Voluntary Organizations at the Presidency of the Region - General Directorate of Civil Protection</li> </ul>



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	Determination of DG Civil Protection - Emergency Planning and Management Service - no. 167 30 <sup>th</sup> .05.2017. Regional List of Civil Protection Volunteering. Approval of operational programs 2017.
Web links	<a href="http://www.regione.sardegna.it/i/v/48?s=1&amp;v=9&amp;c=64&amp;c1=6972&amp;idscheda=289276">http://www.regione.sardegna.it/i/v/48?s=1&amp;v=9&amp;c=64&amp;c1=6972&amp;idscheda=289276</a> <a href="http://www.sardegnaambiente.it/index.php?xsl=2277&amp;v=9&amp;s=20&amp;c=2966">http://www.sardegnaambiente.it/index.php?xsl=2277&amp;v=9&amp;s=20&amp;c=2966</a> <a href="http://www.sardegnaambiente.it/documenti/20_467_20170607113750.pdf">http://www.sardegnaambiente.it/documenti/20_467_20170607113750.pdf</a>
Contacts	<ul style="list-style-type: none"> <li>- Geom. Sergio Carrus</li> <li>- Sig. Sandra Medda</li> </ul> Emergency Planning and Management Service - Volunteering and emergencies <a href="mailto:scarrus@regione.sardegna.it">scarrus@regione.sardegna.it</a> <a href="mailto:smedda@regione.sardegna.it">smedda@regione.sardegna.it</a>

**[Additional information - optional]**

<b>Lessons learnt</b> [ <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>

<b>Durability and transferability</b> [ <i>Objective: evaluate the integration of the Good Practice and its sustainability, give recommendations for transferability</i> ]			
<b>Is this information:</b>	<b>Replicable</b> <input type="checkbox"/>	<b>Measurable</b> <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> ]  <i>[free text – 5 lines max]</i>			
Financial requirements [ <i>business model</i> ]  <i>[free text – 5 lines max]</i>			
Success factors [ <i>political, technical, human, financial...</i> ]  <i>[free text – 5 lines max]</i>			
Risk factors [ <i>legal, financial, safety...</i> ]			

*[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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