

Annex 1: Matrix of the Programme of Action / Milestones to implement the EFDRR roadmap on the implementation of the Sendai Framework for Disaster Risk Reduction: 2015-2020

EFDRR ROADMAP Focus Area	Tools available	EXPECTED OUTCOMES	ACTIVITY	MEASURABLE INDICATORS
Focus Area 1: Enabling national and local level strategies on disaster risk reduction (review of existing strategies/development of new strategies)				
Overall Outcome: Number of EFDRR countries that have developed national strategies on disaster risk reduction				
Governance – National Level	<ul style="list-style-type: none"> • Words into Action Guidelines • EFDRR Governance paper • EU Risk Management Capacity Guidelines • Global & national indicators • PreventionWeb • Peer review general framework and peer review reports • European Commission Disaster Risk Management Knowledge Centre • Dhaka Declaration 2015 • EC Exchange of Experts Programme • EC legislation on Civil Protection • Toolkit (Specify which toolkit) (Council of Europe) 	Review of existing national disaster risk reduction strategies and laws	a) Showcase the development of existing national strategies on disaster risk reduction b) Review on status of development of national and regional strategies in Europe and identify gaps for continuous work	Number of existing national strategies on disaster risk reduction linking it with the 2030 agenda Number of reviews conducted of legislation reflecting disaster reduction
		Build the coherence on the outcomes of the following agreements: <ul style="list-style-type: none"> • Sendai Framework for Disaster Risk Reduction 2015-2030, • Addis Ababa Action Agenda of the third international conference on Financing for Development, • 2030 Agenda for Sustainable Development, • Paris Agreement on Climate Change, World Humanitarian Summit and Habitat III 	a) Strengthened collaboration of the DRR & CCA communities through information exchanges and common activities. In particular, building on achievements of the Adaptation working group, further develop guidelines as well as list of good practices/challenges on integrating DRR and CCA in specific sectors, or at urban level: <ul style="list-style-type: none"> • Support implementation of guidelines by number of countries • Provide an interface of resilience building in the climate change adaptation agenda and 2030 Agenda for Sustainable Development • Review based on the connected DRR & CCA agenda, the impact on all hazard governance b) Exchange on the Executive Committee of the Warsaw International Mechanism for Loss and Damage with the climate change community c) Review and highlight programmes and partnerships that yield multiple benefits for sustainable development, disaster risk reduction, financing for development, climate action and urban development. d) Promoting policy coherence, consistency and coordination by developing multi-disciplinary policy advices e) Promote policy coherence in the implementation of international frameworks at the local level.	Policy guidance documents on coherence, consistency and coordination on the outcomes of Sendai Framework, Addis Ababa, Agenda 2030, COP21, World Humanitarian Summit and Habitat III Number of conferences and (expert) workshops combining DRR and other policy-fields related to the Sendai Framework, Addis Ababa, Agenda 2030, COP21, World Humanitarian Summit and Habitat III. Number of participants and countries represented at these conferences and workshops. Outcomes of the conferences and workshops that can be implemented by European countries Number and type of new programmes and partnerships at the national level that benefit several agendas simultaneously

		<p>Increased participation in EFDRR meetings, working groups and exchanges</p>	<p>National Disaster Risk Reduction Platform Coordinators and National Disaster Risk Reduction Focal Points actively participate in Regional and Global Disaster Risk Reduction Platforms and support colleagues of European nations that do not have a platform or focal point</p>	<p>Number of European Region countries that are represented by government at the Global Platform meeting in 2017 and 2019.</p> <p>Numbers of countries participating in EFDRR annual meeting</p>
		<p>Increased all-inclusive disaster risk management</p>	<p>a) National disaster risk reduction coordinating bodies / National Platform include representatives from persons with disabilities</p> <p>b) National disaster risk reduction coordinating mechanism include gender sensitive representation</p> <p>c) Strengthen the engagement of science in national coordination mechanisms or platforms for disaster risk reduction</p> <p>d) Enhance cooperation between health authorities and other relevant stakeholders to strengthen country capacity for disaster risk management for health.</p>	<p>Number of National Platforms / national disaster risk reduction coordinating bodies that have gender sensitive representation.</p> <p>Number of National Platform/ national disaster risk reduction coordination bodies that include persons with disabilities.</p> <p>Numbers of countries with formal national DRR science-policy platforms or focal points for Science & Technology for Disaster Risk Reduction and Disaster Risk Management</p> <p>Science and technology used as a basis for discussions and projects undertaken by regional and national platforms for disaster risk reduction</p> <p>A created space for dialogue between different stakeholders and policy makers.</p>

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Governance – Local Level	<ul style="list-style-type: none"> • Making cities resilient toolkit: <ul style="list-style-type: none"> ○ Scorecard; ○ Local level government self-assessment tool; ○ Resilient Cities Connect etc. • Worlds into Action Guidelines 	Encourage the establishment / revision of local disaster risk reduction strategies	<ul style="list-style-type: none"> a) Exchange on the development of local level strategies (with a special focus on land use and urban planning) b) Evaluate the coherence between local and national plans c) Connecting cities, service providers and development partners on resilience 	<p>Number of countries / cities developed local strategies on disaster risk reduction</p> <p>Number of local level DRR strategies that include aspects relevant for persons with disabilities</p> <p>Number of National Platforms that debate and address local level resilience</p> <p>Number of connections between cities, service providers and development partners on the Cities Resilient Connect Portal</p>
Peer Review	<ul style="list-style-type: none"> • National level peer review findings • National level Peer Review Guidelines (European Commission) • Words into Action guidelines 	Increased knowledge and understanding of disaster risk reduction	<ul style="list-style-type: none"> a) Mutual learning and exchange of good practices and information through, inter-alia, voluntary and self-initiated peer reviews among interested states b) Identify lessons learnt from past peer reviews c) Development of guidelines for local level peer reviews 	<p>Number of National level peer review reports undertaken 2016-2018 and later on.</p> <p>Local level peer review guidelines established and disseminated.</p>
Risk Assessment	<ul style="list-style-type: none"> • Guidelines European Commission • Words into Action guidelines • Civil Protection legislation • Good practises on probabilistic risk assessment methodologies • Developing and using UNISDR STAG and partners' guidelines for evidence-based risk assessments and their implementation to support the practical application of risk assessment. 	National disaster risk assessment undertaken by each country in the European region	<ul style="list-style-type: none"> a) Survey on multi-hazard disaster risks and the development of regional disaster risk assessment b) Highlight examples on the mainstreaming of disaster risk assessments into land-use policy development and rural development planning and management c) Review on how national risk assessment has been applied in national disaster risk reduction strategies development considering an all hazard approach and climate change involvement. 	<p>Number of countries that have undertaken a national risk assessment</p> <p>Number of countries that have taken climate change scenarios into account in their risk assessment.</p> <p>Number of countries reporting on risk management capabilities in line with the EU guidelines.</p> <p>Number of countries Reporting of multi-hazard disaster risks and the development of a regional disaster risk assessment</p> <p>Number of countries on the mainstreaming of disaster risk assessments into land-use policy development and rural development planning and management</p>

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Disaster Loss Database	<ul style="list-style-type: none"> • Tools/Methodology developed by UNISDR & JRC/Training • Regional intergovernmental organizations (e.g. Flagship Projects, e.g. PPRD EAST) • National disaster loss databases that are already developed in some countries • Good practices on how to account for indirect loss (e.g. resulting in diminished capacity of private companies to produce and deliver their products and services due to damages to other public and private infrastructures and services). • Methods for reporting economic losses according to the EU Floods Directive. 	Enabling/supporting efforts towards national disaster loss database development	<ul style="list-style-type: none"> a) Develop an overview /baseline study of disaster loss database in EFDRR countries b) Encourage open access, multi-hazard data platforms and standardized approaches and tools as well as the use of data and scenarios that make science understandable to decision makers and the general public c) Develop knowledge and exchanges on methods related to direct and indirect costs of disasters 	Number of countries with a disaster loss databases or systems aligned with the Sendai Framework or the European Commission Joint Research Centre guidelines

EFDRR ROADMAP Focus Area	Tools available	EXPECTED OUTCOMES	ACTIVITY	MEASURABLE INDICATORS
Focus Area 2: Mainstreaming and integrating disaster risk reduction in key areas of focus				
Overall Outcome: Number of EFDRR countries integrate disaster risk reduction in key areas of focus				
Climate change adaptation, environmental and natural resource management	<ul style="list-style-type: none"> • The EU strategy on adaptation to climate change • The EU Civil Protection Mechanism • Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX) • UNFCCC reports • COP21 outcomes • WHS outcomes • Habitat III outcomes 	<p>Enhance the understanding and sharing of financial instruments and tools for risk reduction and comprehensive risk management, including effects of climate change.</p> <p>Increased awareness on environmental and natural resource management approaches.</p>	<ol style="list-style-type: none"> a) Identification of relevant stakeholders (including private sector, civil society and academy) to properly identify new risk scenarios induced by climate change. b) Development of disaster risk reduction action plans at the local or city level that includes prevention, reconstruction and adaptation actions. c) Initiate cost-benefit analyses of potential disaster risk reduction measures related to climate change and provide some good practices, including insurance tools. d) Pursue research on monitoring and evaluating existing frameworks for CAA and DRR at different levels of governance (national, county/ regional, local). e) Development of guidance documents for national and local governments aimed at greater integration of DRR and CCA at both national and local levels. f) Development of a self-assessment tool that assists DRR and CCA practitioners in evaluating progress on the integration of DRR and CCA into policy making, programming, institutional arrangements and the delivery of practical outcomes for target beneficiaries. g) Collection of examples on implementation of integrated environmental and natural resource management approaches, green infrastructure solutions, forest management and good examples of land use planning that incorporate disaster risk reduction. 	<p>Number of countries implementing the risk approach guidelines with focus on climate change adaptation</p> <p>Number of local level / city disaster resilience actions plans.</p> <p>Number and type of cost effective DRR measures, practices and tools for climate change adaptation and DRR.</p> <p>Number of research projects aimed at evaluating frameworks for CAA and DRR.</p> <p>Number of examples on implementation of integrated environmental and natural resource management approaches, green infrastructure solutions, forest management and good examples of land use planning and in urban planning that incorporate disaster risk reduction</p>

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Economic management of risks	<ul style="list-style-type: none"> • ARISE Network (global) • Words into Action guidelines • ISO standard on business continuity • ISO standard on risk management • Global Assessment Report • Insurance & World Bank Reports • Outcomes of the EU Dutch Presidency on critical infrastructure • UNECE expert reports on public-private partnerships • 2013 EC Green Paper on insurance of natural and man-made disasters • Updated EU guidelines on critical infrastructure (July 2016) 	Create opportunities for cooperation and for businesses in general to integrate disaster risk into their management practices	<ul style="list-style-type: none"> a) Involvement of private sector / private sector associations with the national platforms / national governments [e.g. developing of ARISE Europe] b) Develop guidelines on cooperation between public and private sector c) Review studies on risk informed investments and economic consequences for preventing disaster in Europe [e.g. cost-benefit analysis] 	<p>Number of private sector participants to the EFDRR Open Forum</p> <p>General guidelines on public – private partnerships for DRR. (Based on results of experiences in insurances and infrastructure)</p> <p>Study on risk informed investments and economic consequences for preventing disaster in Europe</p>
Critical infrastructure and disruption of basic services, among them health and educational facilities	<ul style="list-style-type: none"> • UNISDR fact sheet • Words into Action guidelines • WHO Hospital Safety Index • Safe School & Hospital Campaign (UNISDR) • Updated EU guidelines on critical infrastructure (July 2016) • 2016 Bangkok Principles 	Promoting the resilience of basic health services and education [beyond building codes]	<ul style="list-style-type: none"> a) Baseline on disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities in Europe. b) Showcase good examples on how accessible and resilient infrastructure models including hospitals following the principles of universal design c) Review the linkage between critical infrastructure and disaster risk reduction strategies 	<p>Number of health sector representatives participating at the EFDRR Open Forum</p> <p>Number of good examples on accessible and resilient infrastructure models</p> <p>Number of countries Reporting on linkage between critical infrastructure and disaster risk reduction strategies</p>