

Source: 1) Fritzsche, Kerstin; Stefan Schneiderbauer, Philip Bubeck, Stefan Kienberger, Mareike Buth, Marc Zebisch and Walter Kahlenborn 2014: The Vulnerability Sourcebook: Concept and guidelines for standardised vulnerability assessments. Bonn and Eschborn: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. https://www.adaptationcommunity.net/vulnerability-assessment/vulnerability-scurptopt/ sourcebook/

with supporting documents: 2)The Vulnerability Sourcebook Annex

Title of the VA	(Tentative) Title of your vulnerability assessment								
	Context (Module 1; Step 1)								
	Describe the general context of your VA (Module 1; Step 1) in terms of:								
	What are related processes?								
	What knowledge is already available?								
Context	Which institutions play a role?								
	What resources are available?								
	Which external developments are important?								
	Objectives and expected outcomes (Module 1: Step 2)								
	Describe the general objective of your VA (Module 1: Step 2)								
	What process will the assessment support or feed into? Are there on-going activities in the field of adaptation								
	that should be taken into account?								
	What do you want to learn from the assessment?								
Objectives									
	What do you want to use this knowledge for?								
	vvno is the target audience for the result of the assessment?								
	Describe the expected outcomes of your VA (Module 1; Step 2):								
Expected outcomes	What outcomes do you expect?								
	Scope of the Vulnerability Assessment (Module 1; Step 3)								
	Describe the specific topic of your vulnerability assessment:								
Thomatic acone	What exactly is your vulnerability assessment about?								
Thematic scope									
	Possibly refer to potential climate impacts that shall be addressed in the vulnerability assessment:								
	What climate-related risks do you want to asses? What climate related risks and impacts occurred in the past? Which known risks and impacts may be relevant for the future?								
Already identified impacts									
/ vullerabilities	What major non climatic drivers influence current and future climate related risks?								
	Describe the spatial (geographical) scope of your vulnerability assessment:								
Geographical scope	What is the geographical scope of your assessment?								
	Describe the time period of your vulnerability assessment								
Temporal scope	What is the time period addressed in the assessment? (current and future climate related ricks)								
poral scope									
Thematic scope Already identified impacts / vulnerabilities Geographical scope	Describe the specific topic of your vulnerability assessment: What exactly is your vulnerability assessment about? Possibly refer to potential climate impacts that shall be addressed in the vulnerability assessment: What climate-related risks do you want to asses? What climate related risks and impacts occurred in the past? Which known risks and impacts may be relevant for the future? What major non climatic drivers influence current and future climate related risks? Describe the spatial (geographical) scope of your vulnerability assessment: What is the geographical scope of your assessment? Describe the time period of your vulnerability assessment:								

	Outline the methods foreseen for the vulnerability assessment:
Methodological approach	What are the right methods for your VA?



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with supporting documents: PP.... Name Area TARGET..... Existing knowledge (Module 1; Step 1) Date of publication Scope / Sector of study **Key information / Impacts** Know Name Existing policies/plans National/Supra-regional P1 Policies/plans 1 P2 Policies/plans 2 Pn. Insert progressive number Regional Pn. Policies/plans n. Pn. Policies/plans n. Local Pn. Policies/plans 1 Pn. Policies/plans 2 **Existing fundings** European F1 Funding 1 F2 Funding 2 Fn. Insert progressive number National Fn. Funding n. Fn. Funding n. Regional Fn. Funding n. Fn. Funding n. Local Fn. Funding n. Fn. Funding n. **Existing project** European PR1 Project 1 PR2 Project 2 PRn. Insert progressive number

ledge gaps	Remarks

National				
PR <i>n</i> .	Project n.			
PR <i>n.</i>	Project n.			
Regional				
PR <i>n.</i>	Project 1			
PR <i>n</i> .	Project 2			
Local				
PR <i>n.</i>	Project 1			
PR <i>n.</i>	Project 2			
Existing studies and report				
European		 	 	
SR1	Study and/or report 1			
SR2	2 Study and/or report 2			
SR <i>n.</i>	Insert progressive number			
National		 	 	
SR <i>n.</i>	Study and/or report 1			
SR <i>n.</i>	Study and/or report 2	 	 	
Regional			 	
SR <i>n.</i>	Study and/or report 1		 	
SR <i>n.</i>	Study and/or report 2		 	
Local				
SR <i>n.</i>	Study and/or report 1	 		
SR <i>n.</i>	Study and/or report 2			



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with supporting documents: 2)The Vulnerability Sourcebook Annex

	PP	Name	A	rea TARGET			
					ate change (M1_		
Climate related Impacts	Pn.		Fn.		PR <i>n</i> .	 SR <i>n</i> .	
Impacts on ecosystems (water, soil, air qu	ality, biodiversity,)					
ex. Loss of biodiversity	х				х	х	
Impacts on ecosystems services (provisio	n of food and wate	er)					
Impacts on natural resources (agriculture,	fishery, forestry)						
ex. Decrease in crop yields	х		x			х	
Impacts on natural processing (industry ar	d services)						
ex .Energy supply problems			x		х	x	
Impacts on the social and cultural sphere (individual, societa	al groups)					
ex. Impact on human health	Х		x			х	

Please note that the compilation of the table is indicative, for sample purposes only



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PP Name Area TARGET								
		Conditions and re	esources for implemen	tation (Module 1; Step 4)				
		Financial	Human	Technical	Available time			
		number	*number*	*specify equipment*	*specify available time*			
Own resources available								
		Tasks	Functions	Resources	Available time	Potential conflicts of interest		
	Partner (name)							
	Internal 1 (name)							
	Internal 2 (name)							
	Internal n. (name)							
	Expert 1 (name)							
	Expert 2 (name)							
	Expert n. (name)							
Human	Participants Area Target n.							
	Name 1							
	Name 2							
	Name <i>n.</i>							
	Participants Area Target n.							
	Name 1							
	Name 2							
	Name <i>n.</i>							
		Needs / interests in VA	Functions	Resources	Available time	Potential conflicts of interest		
	Stakeholder (name)							
	Stakeholder 1.							
	Stakeholder 2							
Stakeholder	Stakeholder n.							
Grandholden								



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	PP Name Area TARGET
	Indicator and data factsheet
Number of factsheet	IMP_1 ()
	INDICATOR
Indicator:	Name of the indicator
Vulnerability component:	Which vulnerability component is described by the indicatori? (e.g. Impact)
Description: (position in the impact chain)	Futher description of the indicator
	DATA
Source of data:	Who provides data?
Availability or/and costs:	What are the conditions to obtain the data?
Type of data:	In which format are the dataavailable? (e.g. geo- data, shape file)
Spatial level:	Coverage and scale of the data (e.g. local coverage)
Statistical scale:	Which statistical scale do the data have? (e.g. Metric)
Unit of measurement:	In which unit are the data provided?
Method of calculation:	Which method has been applied for calculation?
Input-indicators needed:	Are sub-inidcators needed? Which?
Time reference and frequency of measurement:	For which year(s) are data available?
Expected trend without adaptation:	Trend of the indicator value without adaptation (e.g. Decrease)
Classes and thresholds:	Which classes or thresholds are proposed or determined? Is this a common use classification? (e.g. proposed thresholds. More than 100mm 100 to 0mmm: 0 to 100mm; less than - 100mm)
Rating:	Which sale or classes should be used for the assessment? (e.g. Scale from 0 to 1 (using 200 mm precipitation as zero point)
Additional comments	

Provide Under Service State Service						Source: Fritzsche, Kerstin; Stefar and Walter Kahlenborn 2 vulnerability assessment (GIZ) GmbH. https://www with supporting documer Climate Risk Assessmer	n Schneiderbaue 2014: The Vulner s. Bonn and Esc v.adaptationcom its: Risk suppler it for Ecosystem	er, Philip Bubeck, Stefar rability Sourcebook: Co chborn: Deutsche Gese munity.net/vulnerability nent to the Vulnerability -bases adaptation ww	n Kienberger, Marei ncept and guideline Ilschaft für Internati -assessment/vulner V Sourcebook and th w.adaptationcomm	1) ike Buth, Marc Zebisch es for standardised onale Zusammenarbeit rability-sourcebook/ ne guidebook unity.net > wp-content >
				PP Nomo		uploads > 2018/06 >	Sub Aroo Toro	int		
				PP Name	Area TANGE	: 1 3	Sub Area Targ	jel		
Less Participant factorLatatorAssert NameParame 	Impact chain									
Name Image: Concepting in the second seco			Description of factor	Indicator	Assess	sment scale	Observed value	Normalised value	Weighting factor for each indicator	Composite Indicator
Lange To make propriation (need) To make proproprimate propriating (need) To mak	Herord				Lowest value	rignest value				
a a	Hazaro	Example	Too much precipitation in wet season	Mater dep objective for r strand	2	10	3	0,125	1	0,125
a a		3	3					0		
Image: state of the state o		5	5					0 0 0		0
Example People bring in Bood-prome arease Image: Constraint of the second seco	Exposure	7 ٤	7 3 					0		
1 1		Example	People living in flood-prone areas	-	0	3000	210	0,07	1	0.07
1 1		1						0		
3 0		2	2					0		
4 0		3	3					0		
Numerability Image: Composition of the constraint of the		4						0		0
Image: state stat		5	5					0		
8 1		7	7					0		
Vulnerability Image: Constraint of the const		8	3					0		
Example Lack of urban planning Image: marked base of the second	Vulnerability									
3 0		Example 1	Lack of urban planning		25	75	60	0,7	1	0,7
4 0 0 0 0 0 6 0 0 0 0 0 7 0 0 0 0 0 8 0 0 0 0 0		2	3					0		
5 0 0 0 6 0 0 0 7 0 0 0 8 0 0 0 M6.2 AGGREGATION OF INDICATORS M7. RISK SCORE Area target or sub Area target -RISK SCORE Area target or sub Area target -RISK SCORE Area target or sub Area target -RISK SCORE ME.2 AGGREGATION OF INDICATORS		4	L					0		0
No.2 AGGREGATION OF INDICATORS M6.2 AGGREGATION OF INDICATORS M7. RISK SCORE Area target or sub Area target -RISK SCORE Area target or sub Area target -RISK SCORE Example 0,07 N3 Image: Compositie Image: Compositie Image: Compositie Image: Compositie Image: Compositie Image: Compositie Image: Compositie <		5						0		
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M6.2 AGGREGATION OF INDICATORS M7. RISK SCORE Area target -RISK SCORE Area target or sub Area target -RISK SCORE		8	3					0		
Area target or sub Area target -RISK SCOREImage: Score sub Area target -RISK score sco	M6.2 AGGREG	ATION OF INE	DICATORS				M7. RISK SCO	RE		
Composit indicator (TOTAL)Weighting factorsRISKHazardExample0,1251Example0,0751VulnerabilityExample0,71							Area target or	sub Area target -RISk	(SCORE	
Example0,1251ExposureExample0,071VulnerabilityExample0,71							Hazard	Composit indicator (TOTAL)	Weighting factors	RISK
VulnerabilityImage: Constraint of the second se							Example Exposure Example	0,125	1	
Example 0,7 1 0,298333							Vulnerability			0 000000
							Example	0,7	1	0,290333

Normalised value Weighting factor indicator indicator Composite Indicator 3 0,125 1 0,125 4 0 0 0 3 0,125 1 0,125 4 0 0 0 4 0 0 0 5 0 0 0 6 0 0 0 10 0,007 1 0,007 10 0,007 1 0,007 10 0 0 0 10 0,007 1 0,007 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0 10 0 0 0	n Schneiderbaue 2014: The Vulner ts. Bonn and Esc w.adaptationcom nts: Risk supplen nt for Ecosystem
Normalised value Weighting factor for each indicator Composite Indicator 3 0,125 1 0,125 0 0 0 0 0 0 0	Sub Area Targ
Normalised value Weighting factor for each indicator Composite Indicator 3 0,125 1 0,125 3 0,125 1 0,125 4 0 0 0 6 0 0 0 6 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 7 0 0 0 0 7 1 0,07 0 0 7 0 0 0 0 7 1 0,7 0 0 7 0 0 0 0 0 7 1 0,7 0 0 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0	
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or sub Area target -RISK SCORE	Area target or
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0,07 1	Exposure Example
0.298333	Vulnerability
0,7 1 -,	схаттріе