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in Sub-Saharan Africa

CoM SSA SEACAP Toolbox

Session 4.7: Unpacking the JRC Template: Guidance on the adaptation sheets

This chapter is one component of the SEACAP Toolbox for the full Toolbox, please visit: https://comssa.org/

What you will learn in this session:

- Overview of Sheet 1: R&VA
- Overview of Sheet 2: Adaptation Actions
- Overview of Sheet 3: Adaptation Planning

This chapter has been designed for facilitators and trainers as well as local government officials and partners completing a SEACAP

Overview of exercise sheets

1) Sheet 1: R&VA
2) Sheet 2: Adaptation Actions
3) Sheet 3: Adaptation Planning

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Sheet 1: R&VA

1) General R&VA Information
2) Step 1: Climate hazards in your Local Government (LG)
3) Step 2: Current risks
4) Step 3: Future hazards
5) Step 4: Vulnerable sectors
6) Step 5: Vulnerable population groups
7) Step 6: Adaptive capacity

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Sheet 1: General R&VA Information

Climate Change Risk and Vulnerability Assessment

Complete:

1) Title;
2) Author(s);
3) Year;
4) Description;
5) Boundary;
6) Method & Source(s)

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Sheet 1: Step 1: Climate hazards in your Local Government

- Make a list of the climate hazards that are applicable to your local government by selecting them from the list provided in the R&VA sheet of the template.
- Write a brief description of each climate hazard

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Sheet 1:
Climate hazards listed in the JRC Template

- Extreme heat
- Extreme cold
- Heavy precipitation
- Rain storm
- Fog
- Hail
- Floods & sea level rise
- Flash / surface flood
- River flood
- Coastal flood
- Groundwater flood
- Permanent inundation
- Droughts & water scarcity
- Storms
- Severe wind
- Tornado
- Cyclone (hurricane/ typhoon)
- Tropical storm
- Extratropical storm
- Storm surge

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Sheet 1:
Climate hazards listed in the JRC Template

- Mass movement
- Landslide
- Avalanche
- Rockfall
- Subsidence
- Wild fires
- Forest fire
- Land fire
- Biological hazard
- Salt water intrusion
- Chemical change
- Other [please specify]

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Sheet 1:
Step 2: Current Risks

- Indicate the probability of each relevant climate hazard occurring by using the drop-down button provided to indicate this (Scale is listed as low, moderate, high, not known)

- Indicate the consequence of the climate hazard when it does occur by using the drop-down button provided to indicate this (Scale listed as low, moderate, high, not known)

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Sheet 1:
Step 2: Current Risks Example from the JRC Template

Climate hazard	<< Current risks >>	
	Probability of hazard	Impact of hazard
Extreme heat	High	High
Extreme cold	[Drop-Down]	[Drop-Down]
Heavy precipitation	Moderate	Low
Rain storm	High	Low
Fog	[Drop-Down]	[Drop-Down]
Hail	Moderate	High

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Sheet 1: Step 3: Future Hazards

- Indicate the **expected change in intensity** by using the drop-down button provided to indicate this (Scale is listed **increase, decrease, no change, not known).**

- Indicate the **expected change in frequency** by using the drop-down button provided to indicate this (Scale is listed **increase, decrease, no change, not known).**

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Sheet 1: Step 3: Future Hazards

- Indicate the **timeframe** of when the expected change in intensity and frequency is likely to occur by using the drop-down button provided to indicate this (Scale is listed short-term, medium-term, long-term, not known).

- Provide a **description** of the anticipated impacts of the future hazards

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Sheet 1:
Step 3: Future Hazards Example from the JRC Template

Climate hazard	<< Current risks >>		<< Future hazards >>			
	Probability of hazard	Impact of hazard	Expected change in intensity	Expected change in frequency	Timeframe	Description of expected impacts
Extreme heat	High	High	Increase	Increase	Short-term	It is anticipated that with rising average temperatures that there will be an increase in extreme heat overall reuslting in more health related challenges, such as heat stroke, which will increase burden on the **heath sector**
Extreme cold	[Drop-Down]	[Drop-Down]	[Drop-Down]	[Drop-Down]	[Drop-down]	
Heavy precipitation	Moderate	Low	Increase	Decrease	Mid-term	
Rain storm	High	Low	Increase	Decrease	Mid-term	
Fog	[Drop-Down]	[Drop-Down]	[Drop-Down]	[Drop-Down]	[Drop-down]	
Hail	Moderate	High	Increase	Increase	Short-term	

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Sheet 1: Step 4: Vulnerable Sectors

- Indicate the sectors which are considered to be the most vulnerable to climate hazards affecting your local government by selecting those that are applicable from the drop down list.

- Indicate each sector's vulnerability level to climate hazards by by using the drop-down button provided to indicate this (Scale is listed low, moderate, high, not known).

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Sheet 1: Step 4: Vulnerable Sectors

- Indicate each sector's indicator level by selecting an "RV" code.

*The meaning of each "RV" code is included in Annex 3 of the JRC Template

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Sheet 1:
Step 4: Vulnerable Sectors Example from the JRC Template

Climate hazard	<< Current risks >>		<< Vulnerable sectors >>		
	Probability of hazard	Impact of hazard	Most vulnerable sector(s) *	Vulnerability level	Indicators
Extreme heat	High	High	Health	Moderate	RV_S7

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Sheet 1: Step 5: Vulnerable Population Groups

- Indicate the most vulnerable population group by selecting those that are applicable from the drop down list.

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Sheet 1:
Step 5: Vulnerable Population Groups
Example from the JRC Template

Climate hazard	<< Current risks >>		<< Vulnerable population groups >>
	Probability of hazard	Impact of hazard	Most vulnerable population group(s) *
Extreme heat	High	High	Elderly

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Sheet 1: Step 6: Adaptive Capacity

- Indicate the adaptive capacity factor by selecting that which is applicable from the drop down list.
- Indicate the adaptive capacity level by selecting that which is applicable from the drop down list. Indicate which indicators are relevant by selecting those that are applicable from the drop down list. (Note the list will display a “RV-A” number, the meaning of which can be found in Annex 3

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Sheet 1: Step 6: Adaptive Capacity

- Indicate the indicator value by adding this in directly in the appropriate unit. (Note the units will display alongside their corresponding “RV-A” number, the meaning of which can be found in Annex 3

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Sheet 1:
Step 6: Adaptive Capacity
Example from the JRC Template

Climate hazard	<< Current risks >>		<< Adaptive capacity >>			
	Probability of hazard	Impact of hazard	Adaptive capacity factor *	Adaptive capacity level	Indicators	Indicator Value
Extreme heat	High	High	Socio-economic	Low	RV_A1	50%

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Sheet 2: Adaptation Actions

1) General Adaptation Action Plan Information
2) Step 1: Adaptation actions per sectors
3) Step 2: Responsible parties and policy alignment
4) Step 3: Origin of the action, timeframe & status
5) Step 4: Links to other pillars, stakeholders, related indicators and outcomes
6) Step 5: Costs and Key actions

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Sheet 2: General Adaptation Action Plan Information

Climate Change Adaptation Action Plan

Complete:

1) Title;
2) Date of formal approval
3) Decision body approving the plan
4) Description;
5) Nature of the Plan
6) Boundary of the Plan
7) SEACAP Webpage

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Sheet 2: Step 1: Adaptation Actions per Sector

- Indicate which sectors have been prioritised
- Include an action title for that sector (max. 120 characters)
- Include an action description to further describe the action (max. 300 characters)
- Indicate which climate hazard the action addresses

*Note you may have more than one action per sector in which case, include this (see example)

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Sheet 2:
Step 1: Adaptation Actions per Sector
Example from the JRC Template

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Climate hazard(s) addressed
Health	Protecting people from the effects of extreme heat using trees	Plant trees throughout the city to cool the city down, particularly during times of heatwaves	Extreme heat
Health	Protecting people from the effects of extreme heat using green roofs	Promote green roofing programmes to cool buildings down	Extreme heat

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Sheet 2: Step 2: Responsible parties and policy alignment

- Indicate a responsible body for implementing the action
- Indicate which policies the action aligns to

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Sheet 2:
Step 2: Responsible parties and policy alignment
Example from the JRC Template

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Responsible body/department	Policy
Health	Protecting people from the effects of extreme heat using trees	Plant trees throughout the city to cool the city down, particularly during times of heatwaves	Dept. Heath	*Greening the City By Law *Health Act
Health	Protecting people from the effects of extreme heat using green roofs	Promote green roofing programmes to cool buildings down	Dept. Engineering	*Green Building By Law

Sheet 2:
Step 3: Origins of action, action timeframe and implementation status

- Indicate origins of action from the drop down list provided
- Indicate the start time of the action using the drop down list provided
- Indicate the end time of the action using the drop down list provided
- Indicate the implementation status of the action using the drop down list provided

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Sheet 2:
Step 3: Origins of action, action timeframe and implementation status Example from the JRC Template

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Origin of the action	Implementation timeframe		Implementation status
				Start	End	
Health	Protecting people from the effects of extreme heat using trees	Plant trees throughout the city to cool the city down, particularly during times of heatwaves	National	2020	2035	Ongoing
Health	Protecting people from the effects of extreme heat using green roofs	Promote green roofing programmes to cool buildings down	Local governemnt	2020	2040	Not started

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Sheet 2: Step 4: Links to other pillars, stakeholders, related indicators and outcomes

- Indicate whether the action also addresses a mitigation issue by marking with an x
- Indicate whether the action also addresses an access to energy issue by marking with an x
- Indicate stakeholder involved from the drop down list provided
- Indicate the vulnerability tackled using the drop down list provided
- Describe whether any other related indicators as per the list in Annex 3
- Describe the outcomes reached

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Sheet 2:
Step 4: Links to other pillars, stakeholders, related indicators and outcomes; Example from the JRC Template

Short description (max. 300 chars)	**Action also affecting mitigation**	**Action also affecting access to energy**	**Stakeholders involved** *	**Vulnerability tackled** *	**Related Indicator used**	**Outcome(s) reached** (min. 1)
Plant trees throughout the city to cool the city down, particularly during times of heatwaves	x	[Please select]	National government and/or agency(ies)	Extreme heat	RV_A6	300 trees planted to date
Promote green roofing programmes to cool buildings down	x	[Please select]	Sub-national government(s) and/or agency(ies)	[Drop-down]		

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Sheet 2: Step 5: Costs and Key Actions

- Type in the numeric value of investments
- Type in the numeric value of avoided costs
- Type in the currency
- Indicate whether or not the action is a key action using the option provided in the drop down list

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Sheet 2:
Step 5: Costs and Key Actions; Example from the JRC Template

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Costs			Key action
			Investment	Avoided costs	Currency	
Health	Protecting people from the effects of extreme heat using trees	Plant trees throughout the city to cool the city down, particularly during times of heatwaves	100 000.00	150 000.00	USD	☼
Health	Protecting people from the effects of extreme heat using green roofs	Promote green roofing programmes to cool buildings down	120 000.00	1000.00	USD	[Please select]

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Sheet 3: Adaptation Planning Process

1) **Step 1: Progress in the implementation of the adaptation process**

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Sheet 3: Step 1: Progress in the implementation of the adaptation process

- Fill in the table by selecting the progress made using the drop down list provided

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Sheet 3:
Step 1: Progress in the implementation of the adaptation process; Example from the JRC Template

	Progress
Commitments	
Commitments defined/integrated into the local climate & energy policies	Currently exists
Human, technical and financial resources mobilized	Currently exists
Risk and vulnerability assessment	
Assessment(s) of climate risks & vulnerabilities undertaken	Currently exists
Develop and prioritize adaptation options	
Possible sectors of action identified and prioritised	Currently exists
Factors considered when prioritizing	Currently exists
Develop the Adaptation Plan	
Design of actions	In progress

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