



Covenant of Mayors
in Sub-Saharan Africa

CoM SSA SEACAP Toolbox

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Author: ICLEI Africa

The full SEACAP Toolbox is found here: <https://comssa.org/>



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CoM SSA SEACAP Toolbox

3.4: JRC Reporting Template: Access to Energy

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

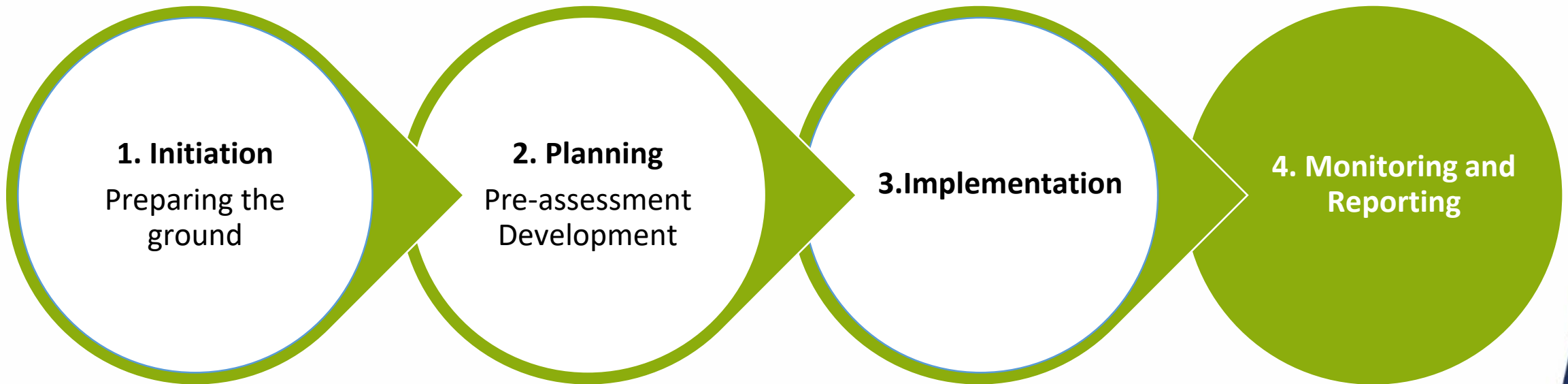
What you will learn in this chapter:

- An overview of the energy access sheets of the JRC SEACAP reporting template
- Steps to follow to fill the energy access sections of the JRC off-line reporting template

This chapter has been designed for Local Government Officials and partners completing a SEACAP



PHASES OF DEVELOPING THE SEACAP





PHASE 4: MONITORING AND REPORTING

4. Monitoring and Reporting

Energy access sheets in the JRC reporting template:

Sheet 1: Access to Energy Assessment

Sheet 2: Energy Access Plans



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Sheet 1: Access to Energy Assessment (AEA)

Sheet overview:

1. Data collection process
2. Access to energy-Electricity key indicators particularly relevant for your local authority
3. Access to energy-clean cooking key indicators particularly relevant for your local authority
4. Comments & methodology specifications



Sheet 1: Access to Energy Assessment (AEA)

1. Data collection process

- Provide supporting documents containing details on the data collection process
- Report the following about the data collection process:
 - Title
 - Source
 - Year
 - method



Access to Energy Assessment (AEA)

The AEA helps to build an overview of the current condition of Local Authorities with regard to Energy Access. A clear and detailed assessment of the status can support decision making processes.

1) Data collection process

① Please report any supporting documents or data you want to share to clarify data reported in the following tables

Title	Source	Year	Method
		[Drop-Down]	
		[Drop-Down]	

Access to Electricity key indicators:

Key Attributes		Key Indicators
Overall		% of population or households having access to electricity (grid/off-grid)
Security	SC2:	Number of hours per day of available electricity
	SC3:	Average number of electricity interruptions per day
	SC4:	Number of days without electricity per year
Sustainability	SU5:	Percentage of local electricity from REs
	SU6:	Number of mini-grids and stand-alone systems
	SU7:	Laws and regulations in place for mini-grids and stand-alone systems?
Affordability	AF8:	% of population able to pay for electricity or willingness to pay
	AF9:	Percentage of expenditure of public buildings for electricity
	AF10:	Financial and regulatory incentives for renewable energy in place?



Additional electricity indicators

Table A. SU5: local electricity demand and percentage covered by Renewable Energy Sources (RES)

	Total	Unit	% electrified with RES
Households			
Community services/institutions			
SMEs/productive and industrial uses			
Public lighting (RES powered)			



Additional electricity indicators:

Table B. SU6: Number of mini-grids and stand-alone systems

	Total	Unit
Households		
Community services/institutions		
SMEs/productive and industrial uses		
Public lighting (RES powered)		

AF9: Percentage of expenditure of public buildings and infrastructure for electricity

	Total	Percentage
Public buildings/Institutions		
Public lighting (RES powered)		
Any other infrastructure		



Sheet 1: Access to Energy Assessment (AEA)

Requirements per key electricity indicator

For each indicator, report on the following:

1. Value from grid
2. Value from off-grid
3. Unit
4. Year
5. Target
6. Target year
7. Detailed information and comments if available

2) Access to Energy - Electricity key indicators particularly relevant for your local authority or region

① Fill in the overall indicator and at least one of the others per attribute
 ② You can specify or report additional comments in the last column

INDICATORS	Value. [grid]	Value. [off-grid]	Unit	Year	Target	Target year	Detailed information/ comments (if a
OVERALL							
Share of population or households with access to electricity (grid/off-grid) [%]			[Drop-Down]	[Drop-Down]		[Drop-Down]	
Security (SC)							
SC2 Number of hours per day of available electricity (h/day)			[Drop-Down]	[Drop-Down]		[Drop-Down]	



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Clean Cooking key indicators

Key Attributes		Key Indicators
Overall		% of population/households with clean cooking access
Security	SC2	% of population/households relying on the traditional use of biomass for cooking
	SC3	% of population/household relying on LPG or other sources
	SC4	Availability of resources: time and distance to gather fuel wood?
Sustainability	SU5	Number of improved cook-stoves used
	SU6	Sustainable charcoal production?
	SU7	Awareness and/or education programs in place?
Affordability	AF8	Financial and regulatory incentives or subsidy mechanisms in place?
	AF9	% of population able to pay (or willingness to pay) for transition to clean cooking

Sheet 1: Access to Energy Assessment (AEA)

Requirements per key clean cooking indicator:

- For each indicator, report on the following:
 - i. Value from grid
 - ii. Value from off-grid
 - iii. Unit
 - iv. Year
 - v. Target
 - vi. Target year
 - vii. Detailed information and comments if available



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Access to Energy Assessment (AEA)

3) Access to Energy - Clean Cooking key indicators particularly relevant for your local authority or region

- ① Fill in the overall indicator and at least one of the others per attribute
- ② You can specify or report additional comments in the last column

INDICATORS		Value	Unit	Year	Target	Target year	Detailed information
OVERALL							
Percentage of population or households with clean cooking access [%]			[Drop-Down]	[Drop-Down]		[Drop-Down]	
Security (SC)		Value	Unit	Year	Target	Target year	Detailed information
SC2	Percentage of population/households relying on the traditional use of biomass for cooking [%]		[Drop-Down]	[Drop-Down]		[Drop-Down]	

Sheet 2: Access to Energy Actions:

Sheet overview:

1. Title
2. Date of formal approval
3. Decision body approving the plan
4. Description
5. Nature of the plan
6. Boundary
7. SEACAP webpage
8. Detailed description per action

Action plan: Energy Access Actions

1) Title	<input type="text"/>
2) <u>Date of formal approval</u>	<input type="text"/>
3) Decision body approving the plan	<input type="text"/>
4) Description	<input type="text"/>
5) <u>Nature of the plan</u>	<input type="text"/>
6) <u>Boundary</u>	<input type="text"/>
7) SEACAP webpage	<input type="text"/>



Sheet 2: Access to Energy Actions:

Required details per action:

- i. Sector
- ii. Title
- iii. Short description
- iv. Related indicator used
- v. Vulnerable population group targeted
- vi. Responsible body/department
- vii. Origin of the action
- viii. Implementation timeframe
- ix. Implementation status

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Related Indicator used	Value	Vulnerable population group(s) targeted *	Responsible body/department	Origin of the action
Electricity	installation of solar panels on all school building roofs	The project will hsjak	Overall	60 250MPw solar panels	Youth	City's department of Energy	Local gov
Clean Cooking	<input type="text"/>		[Please specify]		[Drop-down]		[Drop-



Sheet 2: Access to Energy Actions:

Required details per action (cont'd):

- Further information sources
- Action also affecting adaptation?
- Action also affecting mitigation?
- Investment
- Avoided cost
- Currency
- Key action?

Sector	Title (max. 120 chars)	Short description (max. 300 chars)	Related Indicator used	Value	Vulnerable population group(s) targeted *	Responsible body/department	Origin of t
Electricity	installation of solar panels on all school building roofs	The project will hsjak	Overall	60 250MPw solar panels	Youth	City's department of Energy	Local gov
Clean Cooking	<input type="text"/>		[Please specify]		[Drop-down]		[Drop-



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3.4: JRC Reporting Template: Access to Energy

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The next chapter is Introducing Adaptation Terminology



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