



GREATER MEKONG  
SUBREGION  
CORE ENVIRONMENT  
PROGRAM



## Regional Capacity Building in Climate Vulnerability and Adaptation Assessment in GMS Biodiversity Conservation Landscapes

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## Objective & Rationales

To build capacity of local planners/practitioners to conduct climate change adaptation assessment at community level through simplified approach

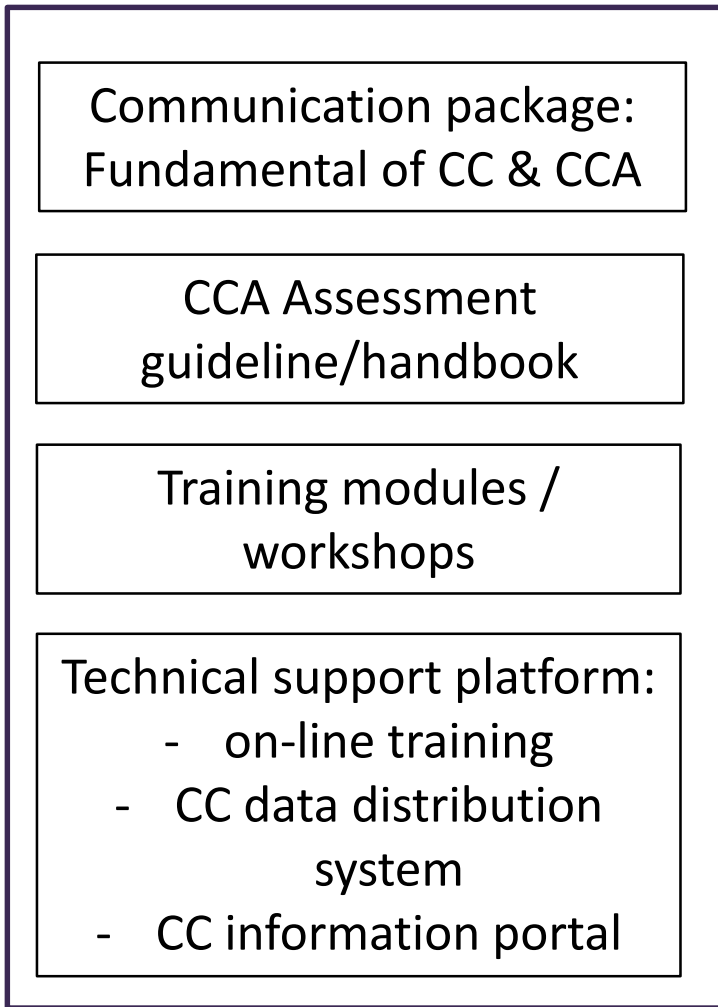
### Gaps in climate change adaptation assessment

- Most available climate change adaptation assessment techniques are complicate/technical oriented
- Wrong context of climate change adaptation in the region – mistaken with disaster preparedness without climate change context
- Lack of access to climate change data
- Incomprehensible climate change data
- Specific context of community requires unique adaptation – needs vast number of planners/practitioners



# Project overview

**TBD**



Training:  
assessment  
technique &  
fundamental  
CCA analysis



Assist on-site  
assessment  
during initial  
stage



## Expected output and outcome

- Trained local planners/practitioners (approx. 15-18 persons)
- Climate change adaptation assessment guideline-handbook
- On-line training system on basic adaptation assessment
- On-line technical support platform

**Jump start platform for wider scale of climate change adaptation assessment in the future**

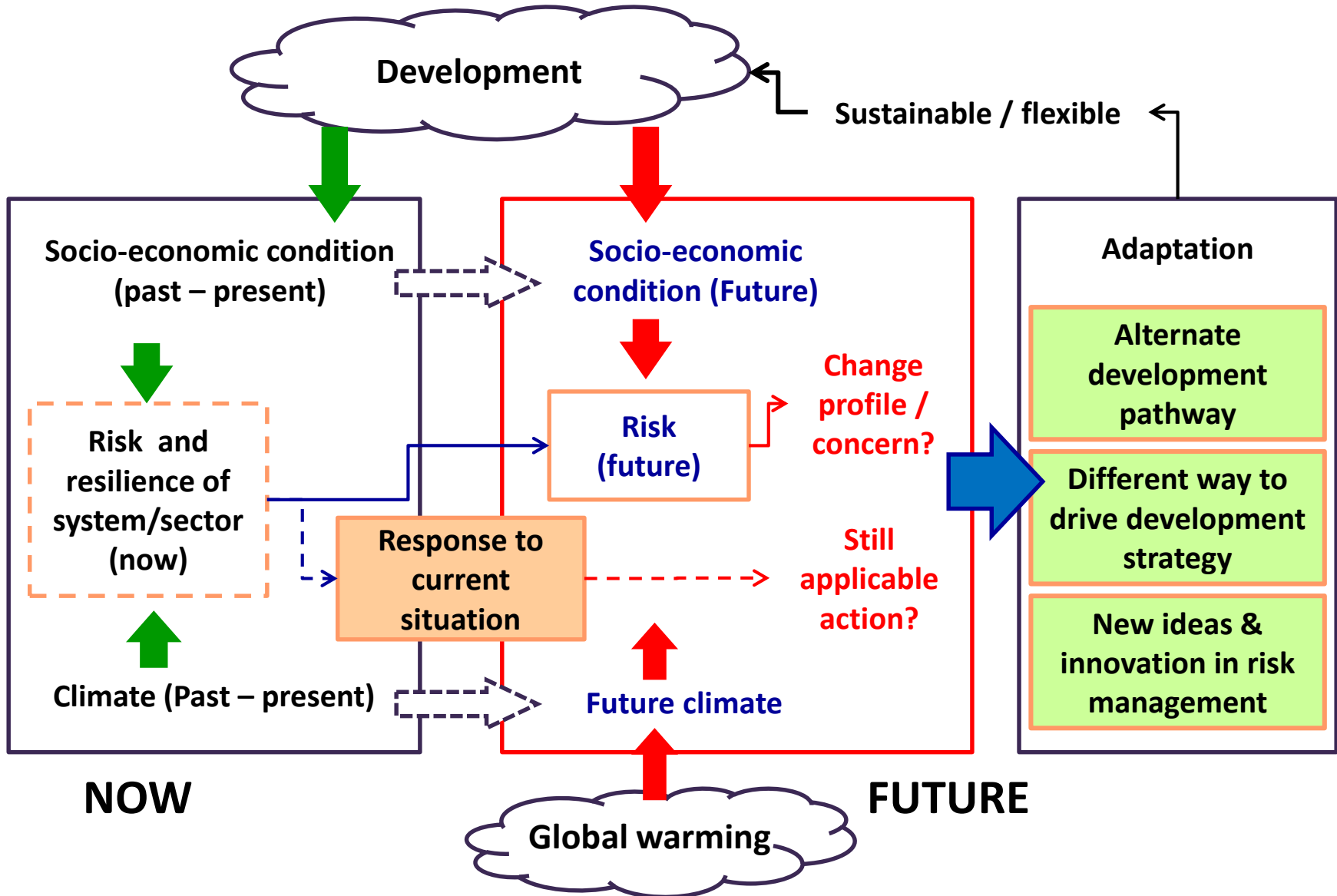


## Principle concept

- Broaden context of climate change adaptation
  - Mainstreaming climate change into community plan
  - Sustainable development in longer term
  - Risk and risk management under climate change

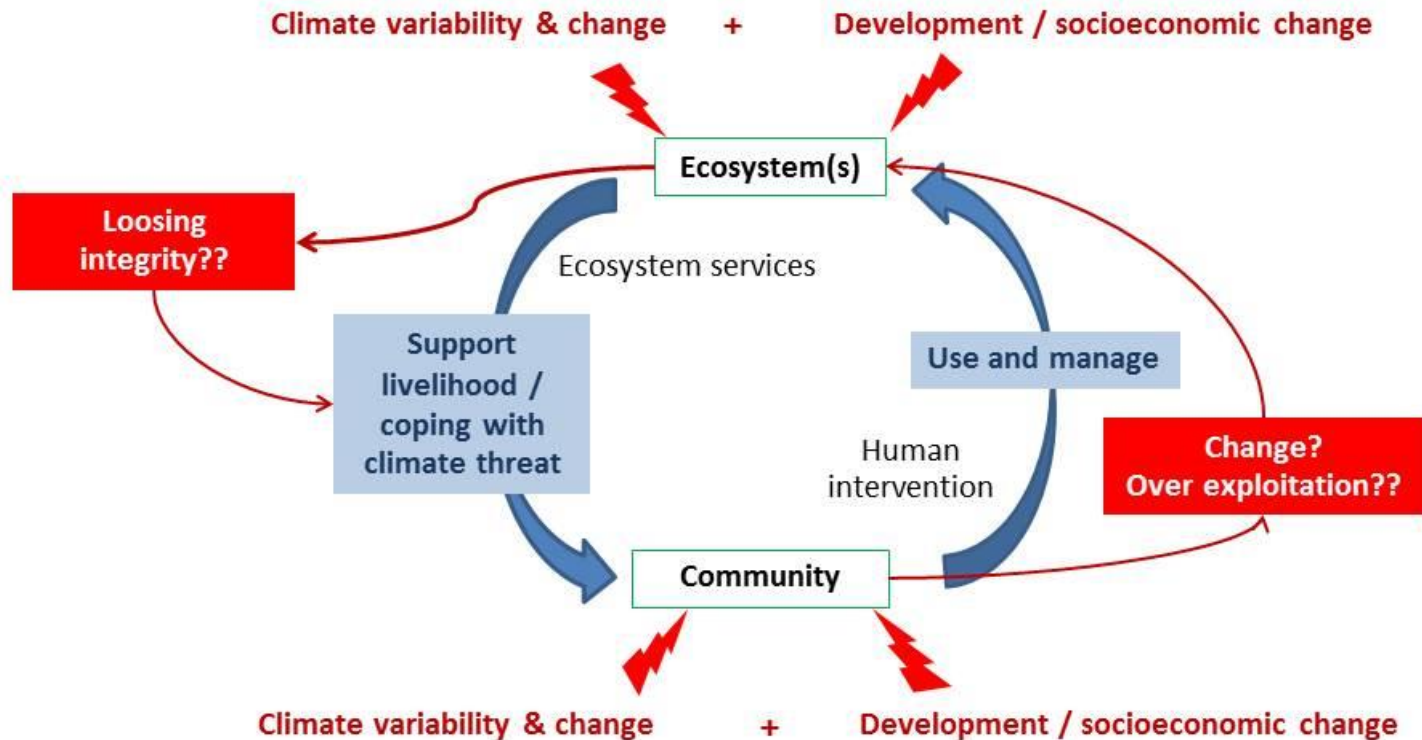
**Address specific context of each community**

# Principle concept





# Principle concept



How ecosystem should be utilized, maintained, managed and/or re-enriched so it could provide for community needs?



## Assessment concept

- Assessing current context of the sector and community.
- Assessing current risk and vulnerability of the community to climate threat.
- Assessing future risk of the community and robustness of current risk management strategy/plan and also effectiveness of current development/risk reduction plan in the plausible future.
- Formulating a plausible future concerns of the community.
- Formulating an adaptation strategy for each community.
- Identifying options for measures to mobilize the adaptation strategy, evaluation, assess enabling factor/critical success factors.

**Avoid complicate technical analysis – Use simple scientific information / local wisdom / expert judgment / creative thinking**





## Planned training program

- Understanding of climate change and climate change adaptation
- Framework on climate change risk assessment in context of community development or risk management plan
- Contextualizing community risk to climate threat
- Holistic view on community risk
- Identifying climate variable(s) for community risk assessment
- Stakeholder engagement techniques on community threat assessment

**Creative thinking on mainstreaming climate change into community planning**

## Planned training program (cont.)

- Concept of scenario thinking and visioning exercise
- Working with future climate projection data
- Constructing future climate scenario for risk assessment in community specific context
- Visioning exercise – constructing storyline of community for future risk assessment
- Stakeholder engagement techniques on future visioning
- Community risk and vulnerability to future changes assessment exercise

**Creative thinking on mainstreaming climate change into community planning**



## Planned training program (cont.)

- Formulating climate change adaptation – creative thinking session and case study exercise
- Evaluating climate change adaptation strategy and plan (multi-criteria analysis, assessing enabling factors and critical success factors, etc.)

**Creative thinking on mainstreaming climate change into community planning**



## On-line technical support platform – Climate change data

The screenshot displays the 'Climate Data Distribution System' web application. The main interface features a map of Southeast Asia with labels for Burma, Laos, and Thailand. A toolbar at the top includes a compass, a gear icon, and a question mark icon. A red vertical line is drawn on the map. An 'Extract Data' dialog box is open on the right side, containing the following fields and options:

- Extract Data** (Title)
- เงื่อนไข:  (Dropdown)
- GCM:  (Dropdown)
- GHG Scenarios:  (Dropdown)
- ปี (สูงสุด 10 ปี):  -  (Date range)
- E-mail Address:  (Text)
- เลือกโดยกำหนดขอบเขต: (Section header)
- ค่าพิกัดมุมซ้ายบน: Latitude: , Longitude:  (Coordinates)
- ค่าพิกัดมุมขวาล่าง: Latitude: , Longitude:  (Coordinates)
- (Button)
- หรือ-
- เลือกโดยพื้นที่:  (Dropdown)
- เลือกพื้นที่ย่อย:  (Dropdown)
- (Button)
- (Text)
- สถานะ:  (Text)



# On-line technical support platform – Climate change data

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Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

- Tab
- Semicolon
- Comma

Treat consecutive delimiters as one

Text qualifier: " [v]

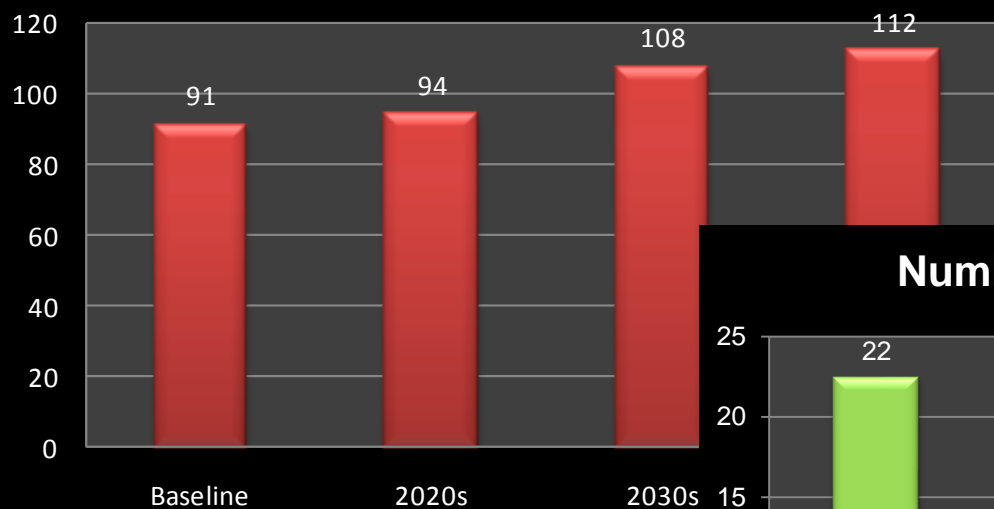
Buttons: Cancel, < Back, Next >, Finish

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	LAT	LON	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19
2	38.2	98.6	-21.01	-19.81	-17.36	-19.99	-20.74	-19.73	-20.29	-19.06	-17.5	-16.82	-17.72	-19.84	-20.35	-21.02	-19.73	-21.55	-21.88	-18.99	-15.03
3	38.2	98.8	-20.71	-19.67	-17.12	-19.71	-20.32	-19.47	-20.12	-18.77	-17.24	-16.45	-17.5	-19.63	-20.17	-20.74	-19.47	-21.34	-21.59	-19.08	-14.75
4	38.2	99	-20.68	-19.75	-17.06	-19.6	-20.25	-19.45	-20.15	-18.7	-17.28	-16.41	-17.53	-19.7	-20.28	-20.76	-19.39	-21.29	-21.57	-19.06	-14.78
5	38.2	99.2	-20.92	-19.98	-17.28	-19.76	-20.52	-19.75	-20.45	-18.98	-17.62	-16.72	-17.84	-20.05	-20.68	-21.07	-19.62	-21.55	-21.87	-19.28	-15.18
6	38.2	99.4	-21.19	-20.18	-17.59	-20.01	-20.89	-20.17	-20.85	-19.45	-18.03	-17.13	-18.2	-20.46	-21.15	-21.43	-19.99	-21.95	-22.27	-19.67	-15.67
7	38.2	99.6	-20.42	-19.73	-16.9	-19.37	-20.32	-19.67	-20.35	-18.99	-17.37	-16.54	-17.5	-19.82	-20.54	-20.81	-19.33	-21.36	-21.63	-18.86	-15.06
8	38.2	99.8	-19.22	-19.02	-15.85	-18.37	-19.28	-18.76	-19.4	-18.05	-16.26	-15.47	-16.33	-18.74	-19.51	-19.76	-18.29	-20.32	-20.57	-18.16	-14.08
9	38.2	100	-17.98	-17.99	-14.75	-17.35	-18.13	-17.72	-18.36	-17.27	-15.04	-14.3	-15.07	-17.58	-18.37	-18.6	-17.15	-19.18	-19.42	-17.9	-12.98
10	38.2	100.2	-16.02	-16.16	-12.97	-15.63	-16.23	-15.85	-16.16	-15.13	-12.72	-12.05	-12.78	-15.83	-16.68	-16.81	-15.37	-17.34	-17.51	-16.84	-11.17
11	38.2	100.4	-12.78	-13.3	-10.01	-12.64	-13.13	-12.59	-11.94	-10.29	-8.511	-7.958	-8.663	-13.09	-14.12	-13.97	-12.52	-14.31	-14.34	-13.74	-8.216

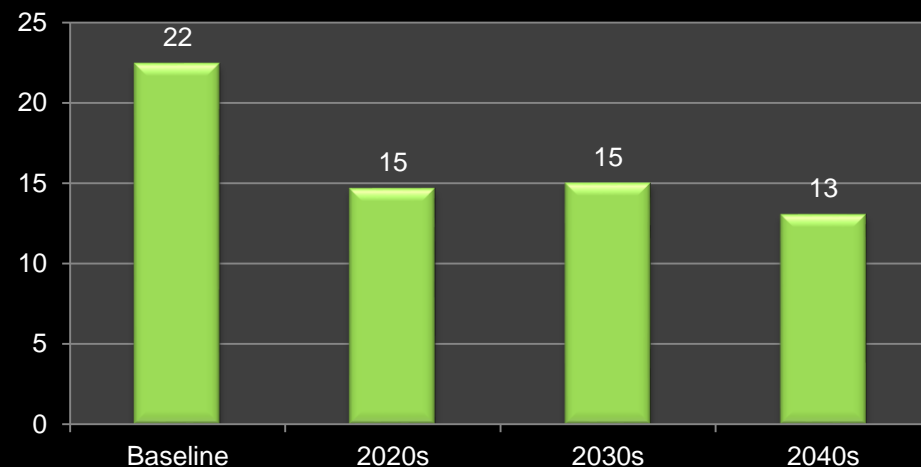


## On-line technical support platform – Climate change information

### Number of hot day (>35°C)

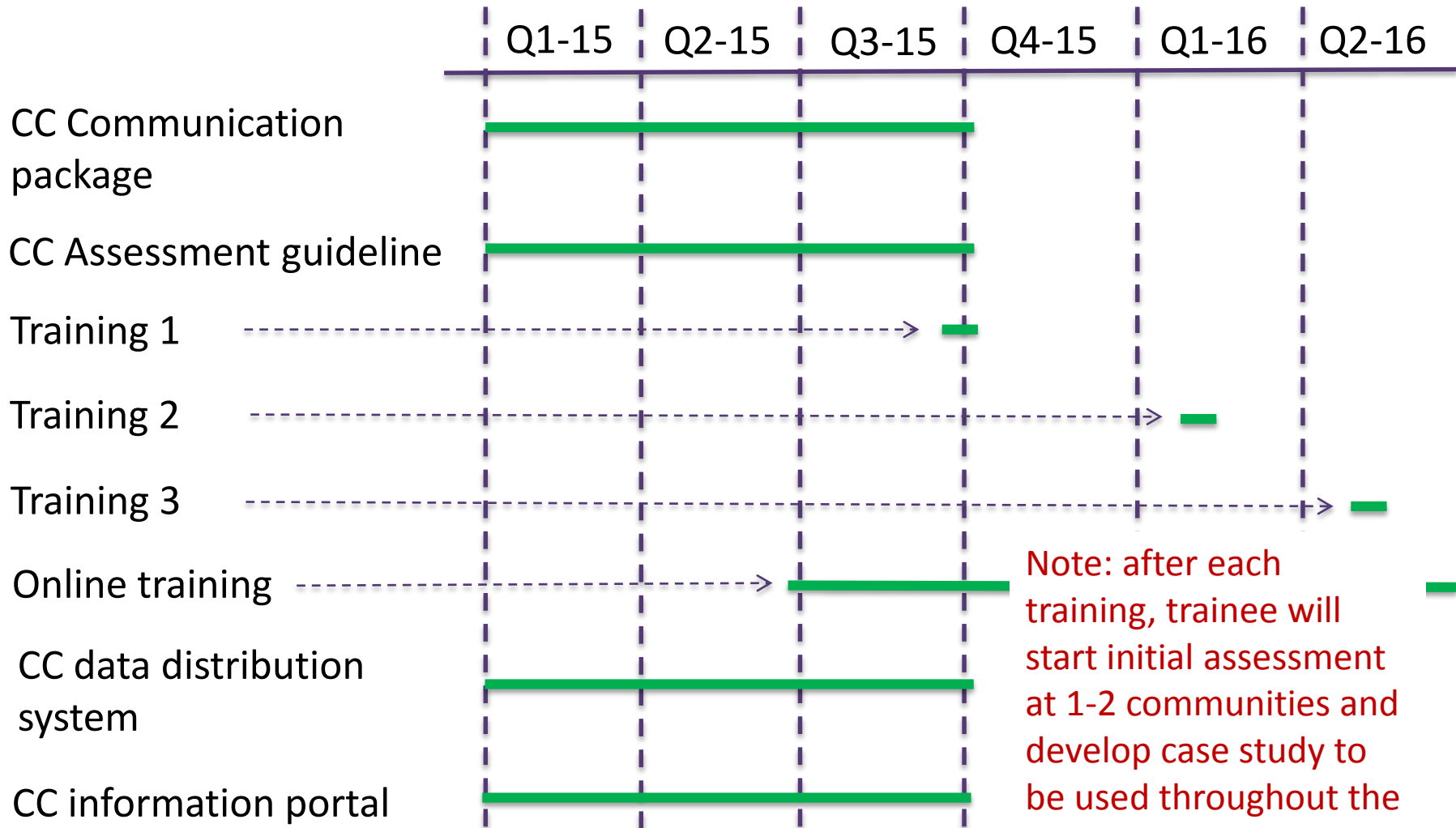


### Number of cool day (<16 °C)





## Brief timeline



Note: after each training, trainee will start initial assessment at 1-2 communities and develop case study to be used throughout the training program



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# Thank you

For further information

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Visit the GMS Core Environment Program's website at  
**[www.gms-eoc.com](http://www.gms-eoc.com)**