



## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

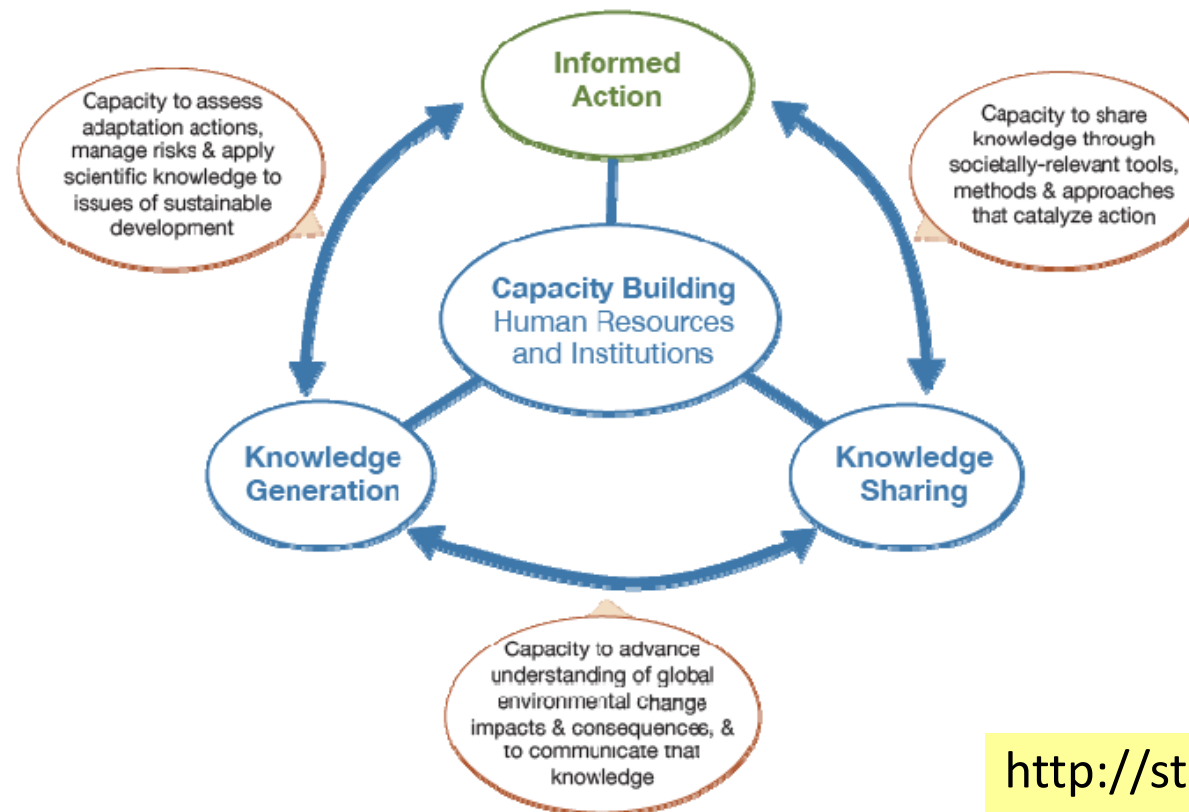


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Southeast Asia START Regional Center  
Chulalongkorn University

## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

### About START

- Global Change SysTem for Analysis, Research and Training
- START promotes research-driven capacity building to advance knowledge on global environmental change in Africa and Asia-Pacific



<http://start.org/about>

## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

### 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

Climate change as a “Future Study”

Climate change adaptation as “Climate-wise development”

## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

A collaboration with EOC-GMS, Asian Development Bank

### Climate change adaptation knowledge platform

#### Communication package:

Fundamental about climate / climate change / climate change adaptation / Guideline and handbook

#### E-learning package:

Assessing climate change risk and adaptation in community

Climate change data distribution system

Climate change information distribution system

Coupled with in-class training program

Knowledge be disseminated in English – local languages under consideration

## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

### Understand risk from holistic view of future

Combine climate change and socio-economic change into consideration

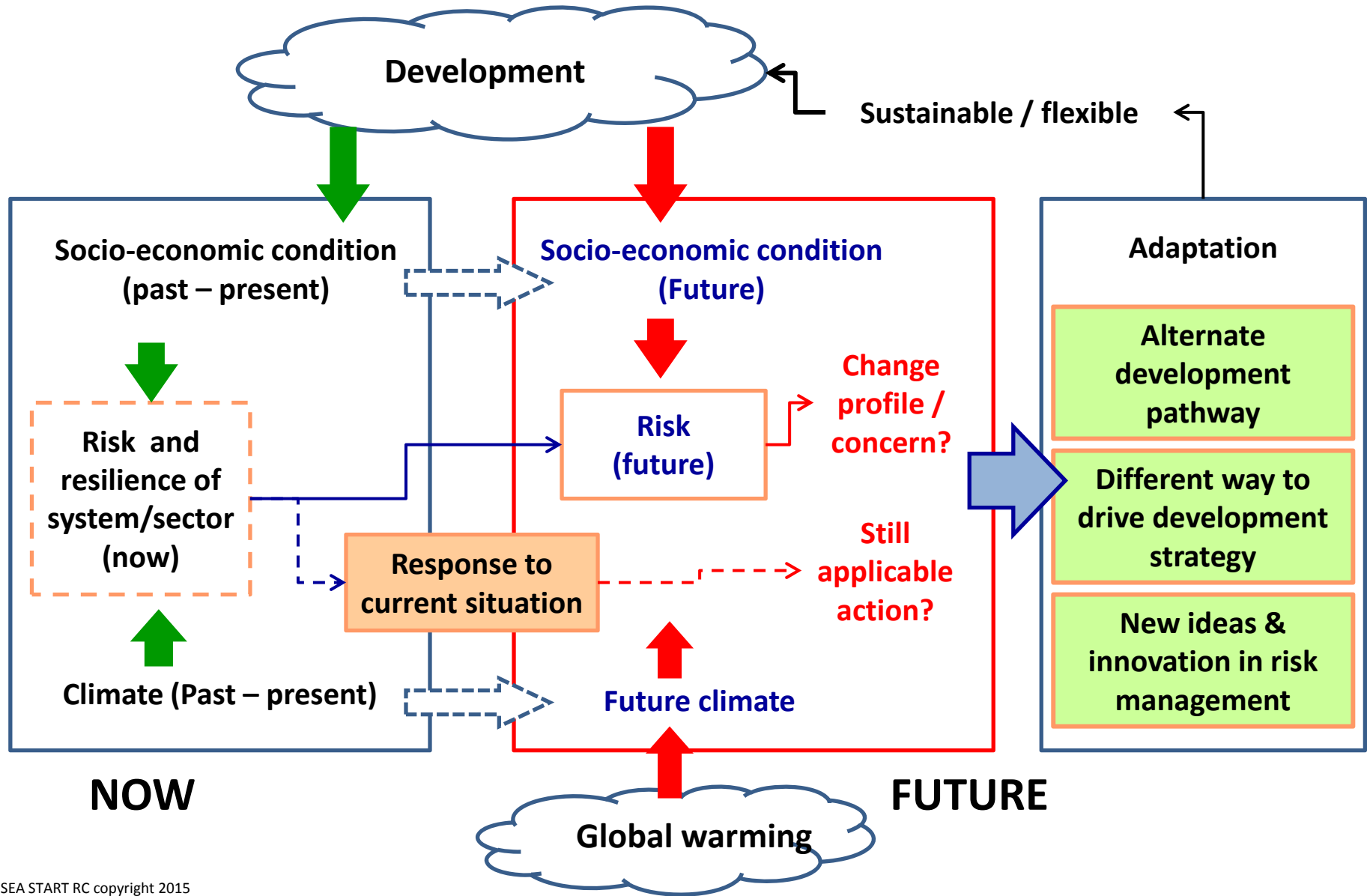
- Factor in climate change into community development planning process along with other changes in society
- Seek for better way to manage risk in light of climate change as part of development pathway

### Broaden context of climate change adaptation to development agenda

Mainstream climate change into community development strategy & plan

- Linking current context with future – increase resilience against climate risk both NOW & FUTURE
- Improve robustness of plan to cope with current climate threat in light of climate change

# Climate Change Adaptation Knowledge Support Platform for Southeast Asia



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## On-line technical support platform: Climate change data distribution system

The screenshot displays the 'Climate Data Distribution System' interface. On the left, a map of Southeast Asia is shown with labels for Burma, Laos, and Thailand. A toolbar at the top left includes a compass, a gear icon, and a question mark icon. A title bar above the map reads 'Climate Data Distribution System Powered by ArcGIS Server'. On the right, an 'Extract Data' panel is open, containing the following fields:

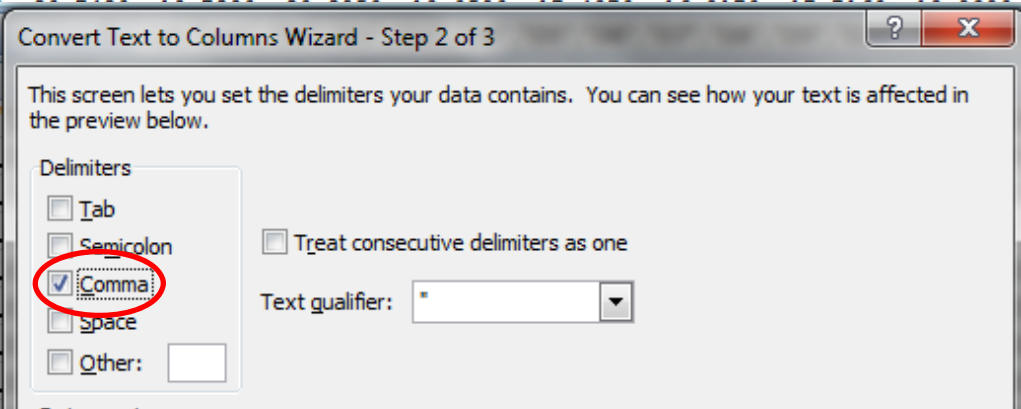
- เงื่อนไข: ลดแนกมีสูงสุด
- GCM: ECHAM4
- GHG Scenarios: A2
- ปี (สูงสุด 10 ปี): 1960 - 1960
- E-mail Address: jutatip@start.or.th
- เลือกโดยกำหนดขอบเขต:
  - ค่าพิกัดณชายบน: Latitude: [input], Longitude: [input]
  - ค่าพิกัดณขวาล่าง: Latitude: [input], Longitude: [input]
  - วาดขอบเขต
- หรือ-
- เลือกโดยพื้นที่: River Basin: Vietnam
- เลือกพื้นที่ย่อย: [input]
- ส่งออกข้อมูล: No Title Given
- สถานะ: Current Position: 16.91,101.85

# Climate Change Adaptation Knowledge Support Platform for Southeast Asia

## On-line technical support platform: Climate change data distribution system

```

["LAT", "LON", "D1", "D2", "D3", "D4", "D5", "D6", "D7", "D8", "D9", "D10", "D11", "D12", "D13", "D14", "D15", "D16", "D17", "D18", "D19", "I
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38.2, 99.8, -19.2230, -19.0240, -15.8510, -18.3730
38.2, 100.0, -17.9770, -17.9880, -14.7490, -17.3480
    
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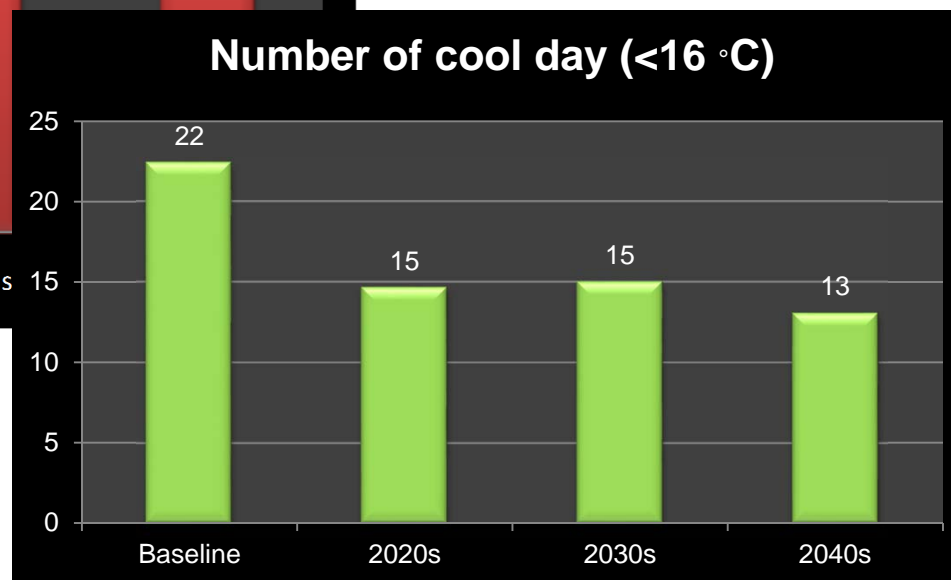
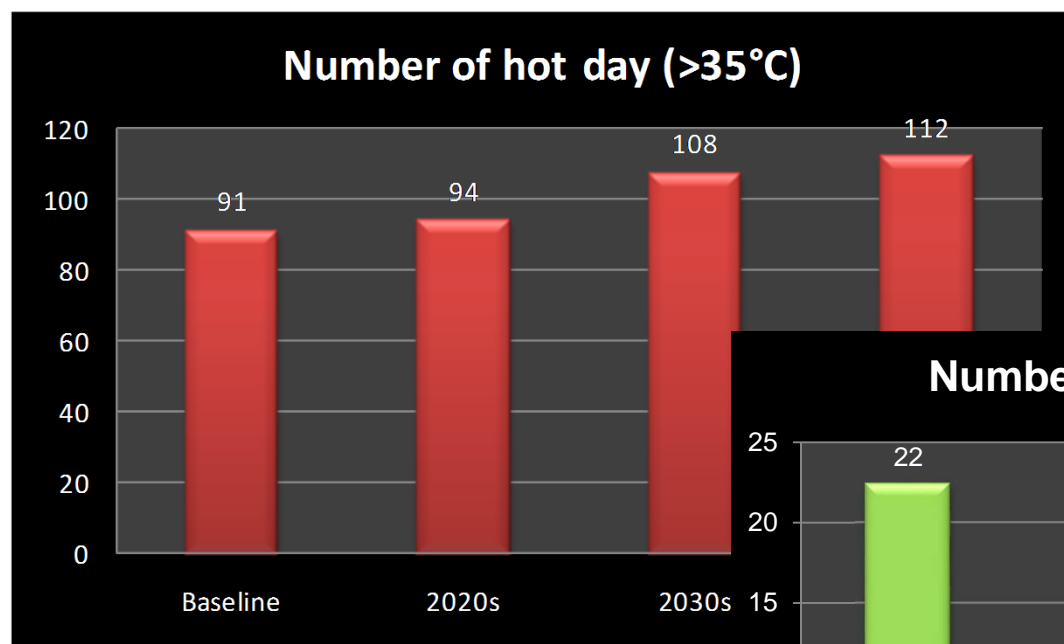


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1	LAT	LON	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19
2	38.2	98.6	-21.01	-19.81	-17.36	-19.99	-20.74	-19.73	-20.29	-19.06	-17.5	-16.82	-17.72	-19.84	-20.35	-21.02	-19.73	-21.55	-21.88	-18.99	-15.03
3	38.2	98.8	-20.71	-19.67	-17.12	-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



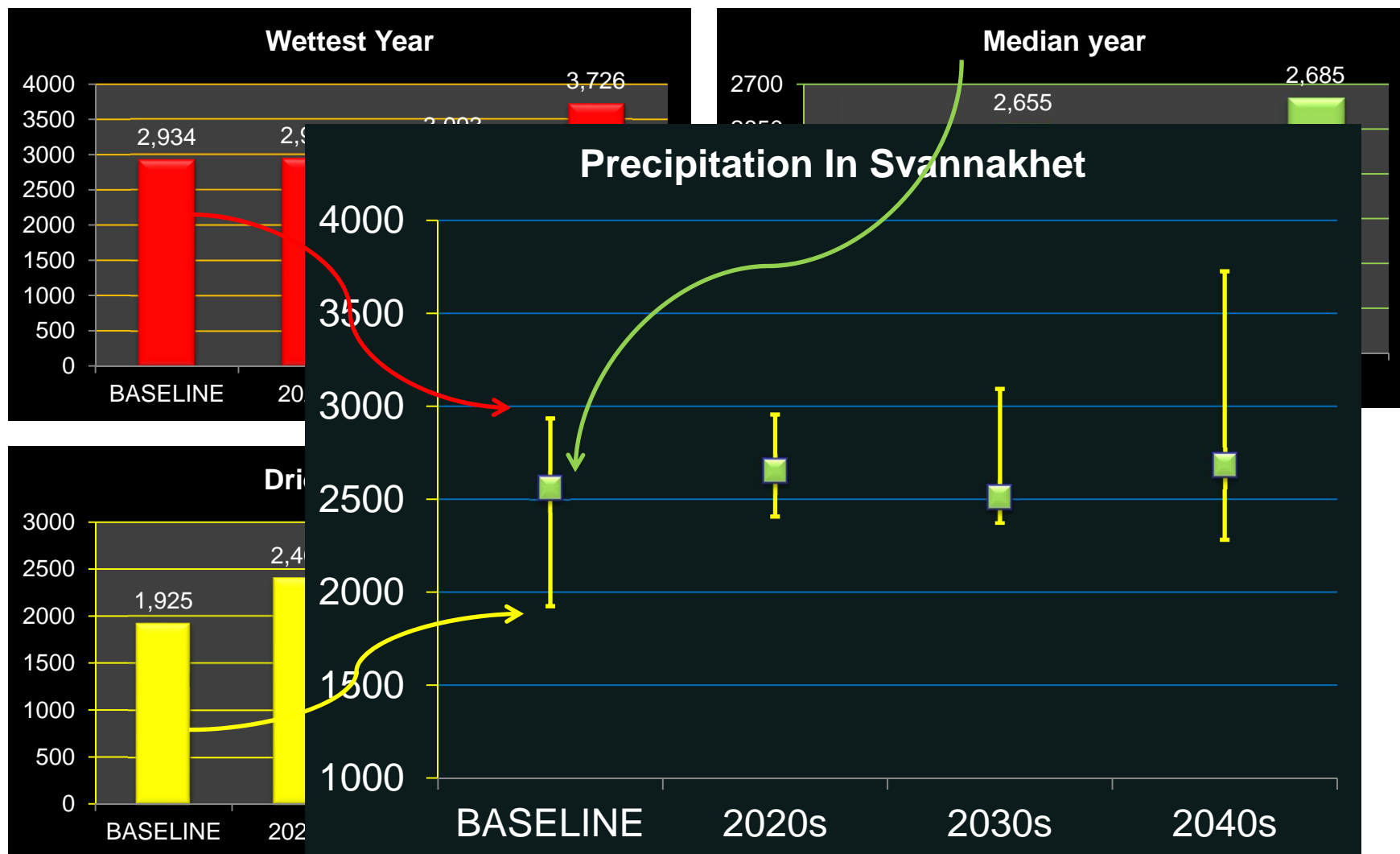
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### On-line technical support platform: Climate change information distribution system



# Climate Change Adaptation Knowledge Support Platform for Southeast Asia

## CHANGE IN ANNUAL PRECIPITATION – EXTREME YEAR VS MEDIAN YEAR



## Climate Change Adaptation Knowledge Support Platform for Southeast Asia

### Status and timeline

- Communication package:
  - Fundamental understanding about climate / climate change / climate change adaptation – Q4, 2015
  - Guideline & handbook: climate change adaptation assessment at community – Q1, 2016
- E-learning packages:
  - Phase 1: Principle about climate change adaptation – Q4, 2015
  - Phase 2: Climate change adaptation assessment at community – Q2, 2016
- Technical support platform – Q4, 2015

In-class training program:  
Tentatively planned for Q4, 2015 – Q2, 2016



**THANK YOU**

**[www.thailandadaptation.net](http://www.thailandadaptation.net)**

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