

Supporting climate adaptation policy implementation: Updated Technical Guideline

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Process timeline of AR7

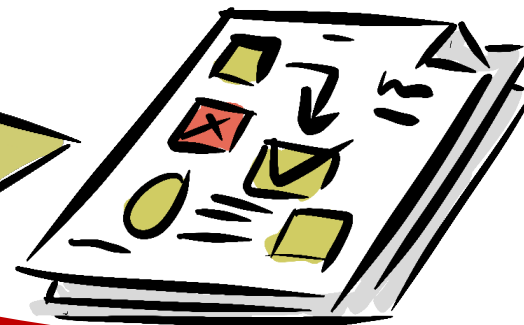
Special Report (SR) on
Climate Change and Cities
2027



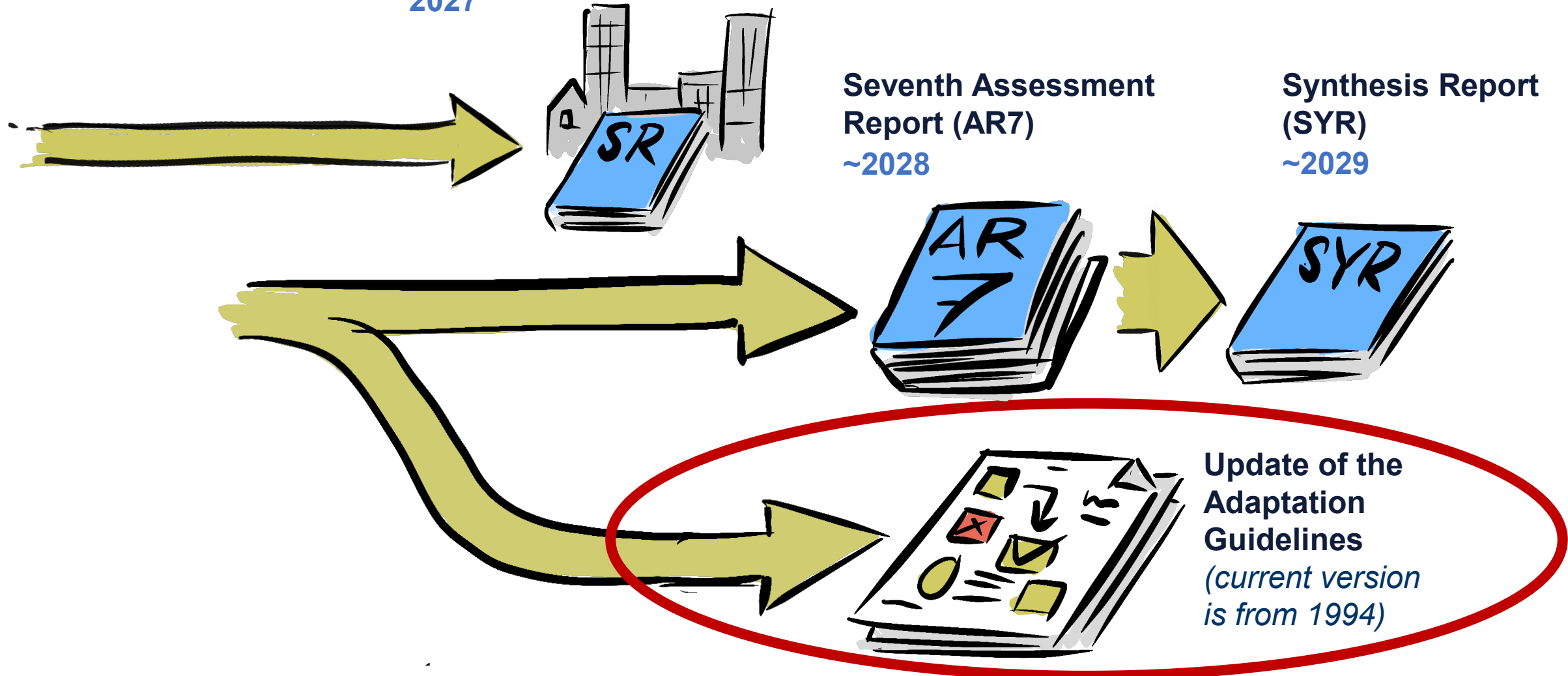
Seventh Assessment
Report (AR7)
~2028



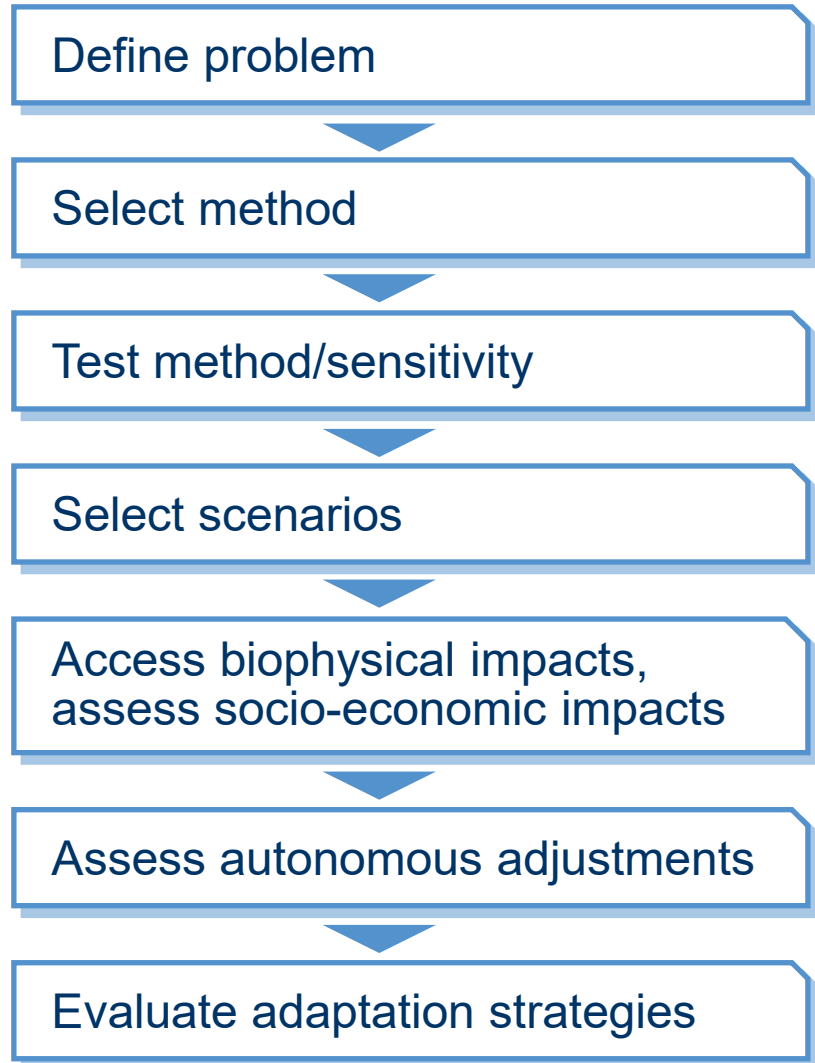
Synthesis Report
(SYR)
~2029



Update of the
Adaptation
Guidelines
(current version
is from 1994)



The 1994 Impacts and Adaptation Guideline



- ❖ **What's the climate pressure?**
- ❖ **What does it do to the nation/region?**
- ❖ **How will that change?**
- ❖ **What adaptation is required?**

Update in AR7

- ❖ New climate insights
- ❖ New data and scenarios
- ❖ New adaptation insights
- ❖ New experience from case studies

What do we know now that we did not in 1994?

Major conclusions from AR6

- **Climate models and scenarios have advanced**

- **Existing responses are not enough**

- **Incremental adaptation is prevalent, whereas transformative adaptation is infrequent**

- **Globally applicable adaptation indicators are lacking**

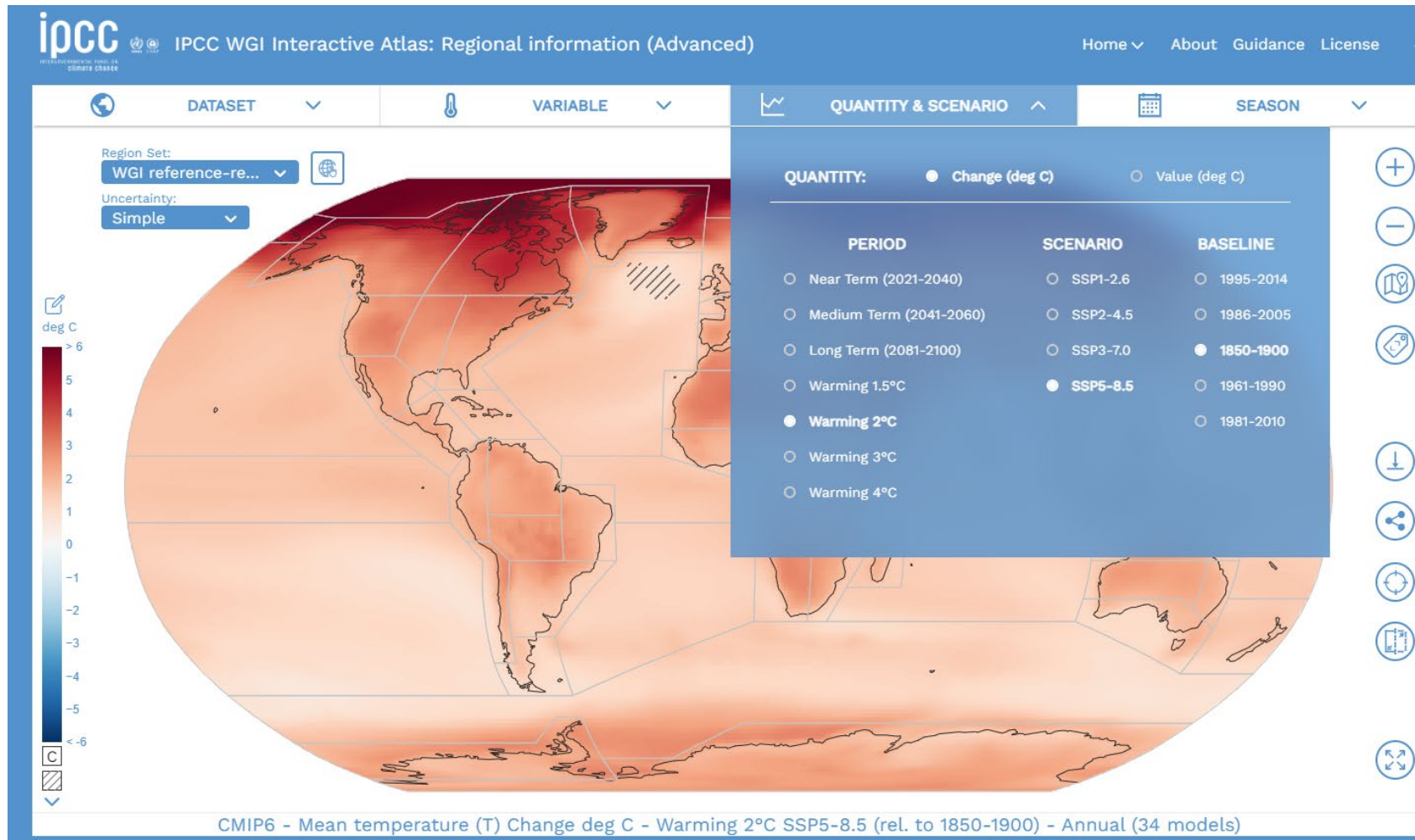
- **M&E are essential for tracking adaptation progress and learning**

- **Adaptation successes can have some degree of maladaptation**

- **Residual impacts, risks and Loss & Damage has become increasingly relevant**

Progress of Climate Models

Working Group II
Technical Support Unit



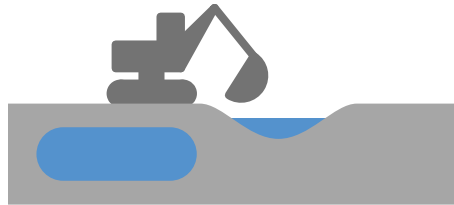
- ❖ Higher resolution
- ❖ Higher complexity
- ❖ Higher accuracy
- ❖ Improved representation of key variables
- ❖ Larger number of models and scenarios

Approaching Adaptation at Different Scales of Transformation

Incremental adaptation

Adaptation that maintains the essence and integrity of a system or process at a given scale.

> Object planning



Improved infrastructure



Flood protection

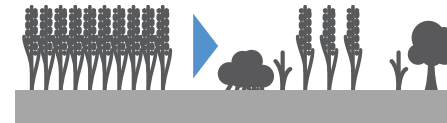
Transformational adaptation

Adaptation that changes the fundamental attributes of a social-ecological system in anticipation of climate change and its impacts.

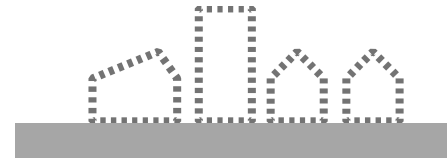
> City – system planning



Alternative lifestyles and employment



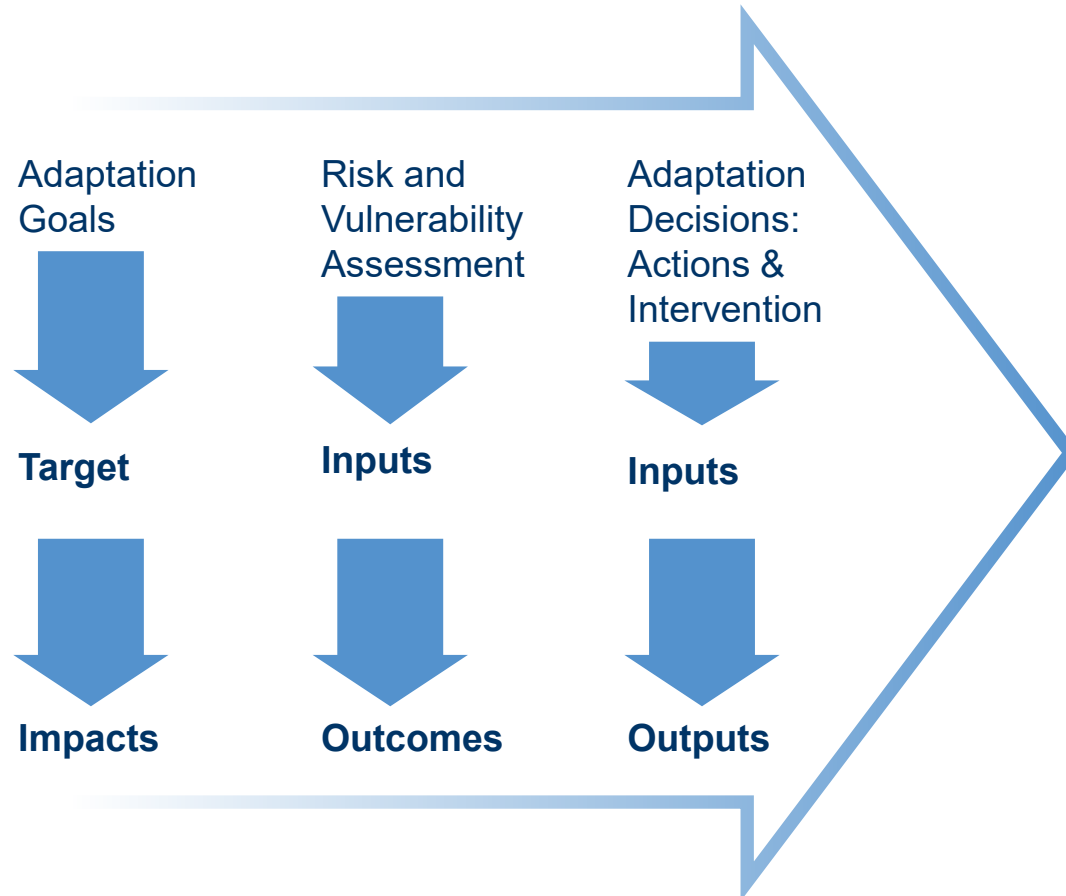
Changes to farming



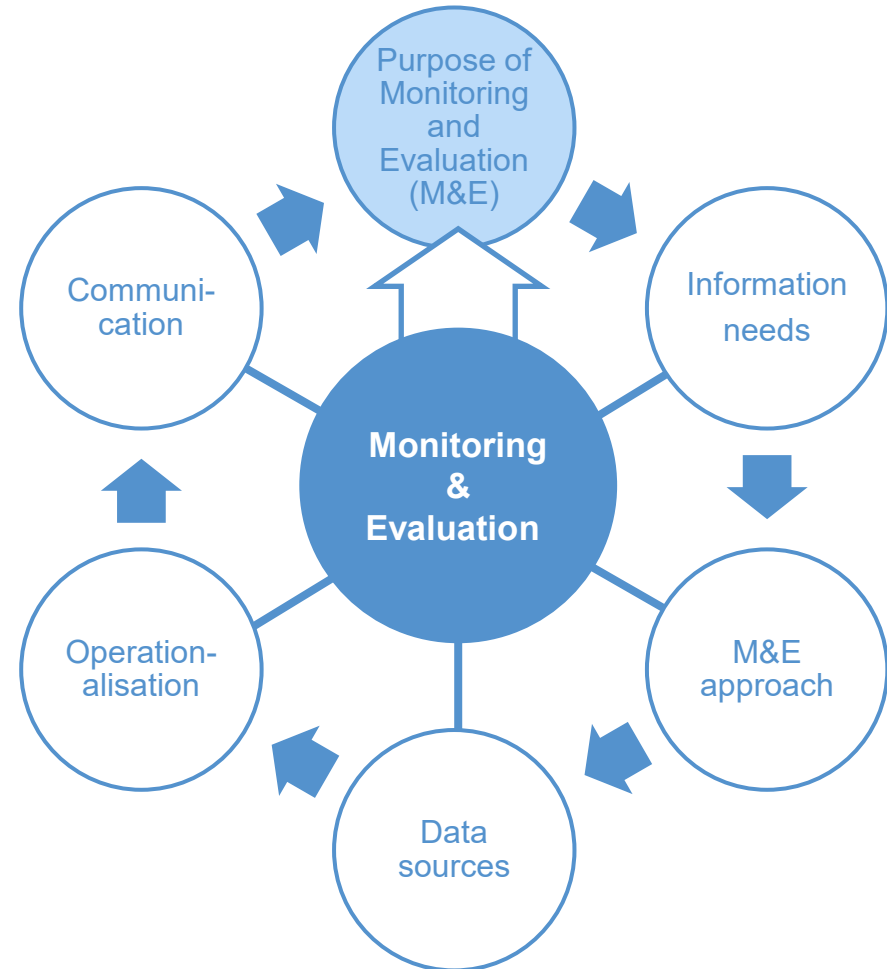
New city planning

Learning from Adaptation through Monitoring and Evaluation

WHAT TO MONITOR

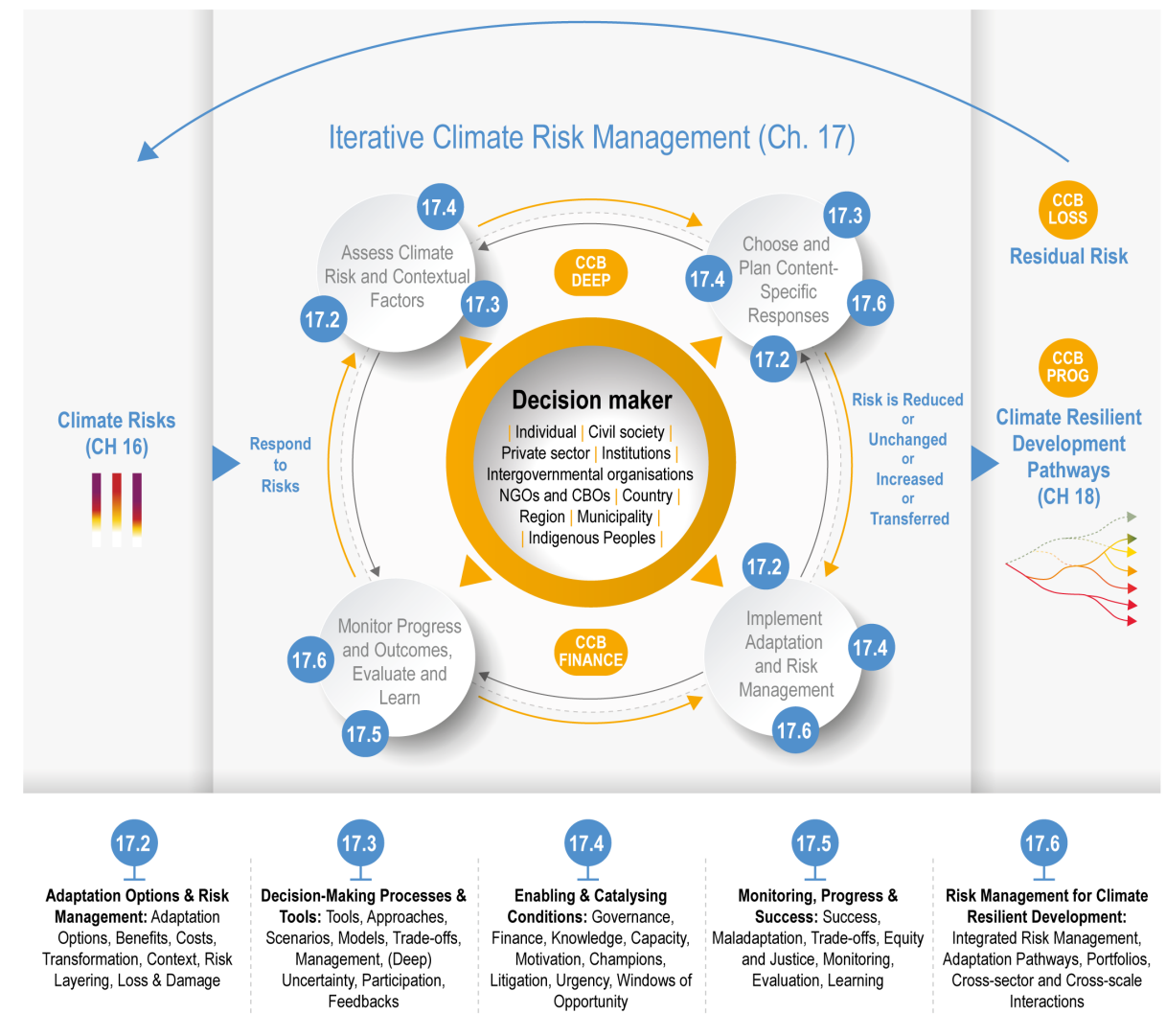


CONTINUOUS UPGRADE



Policy cycles are not essentially linear

Schematic representation of the climate risk management decision-making process



UAE Framework for Global Climate Resilience

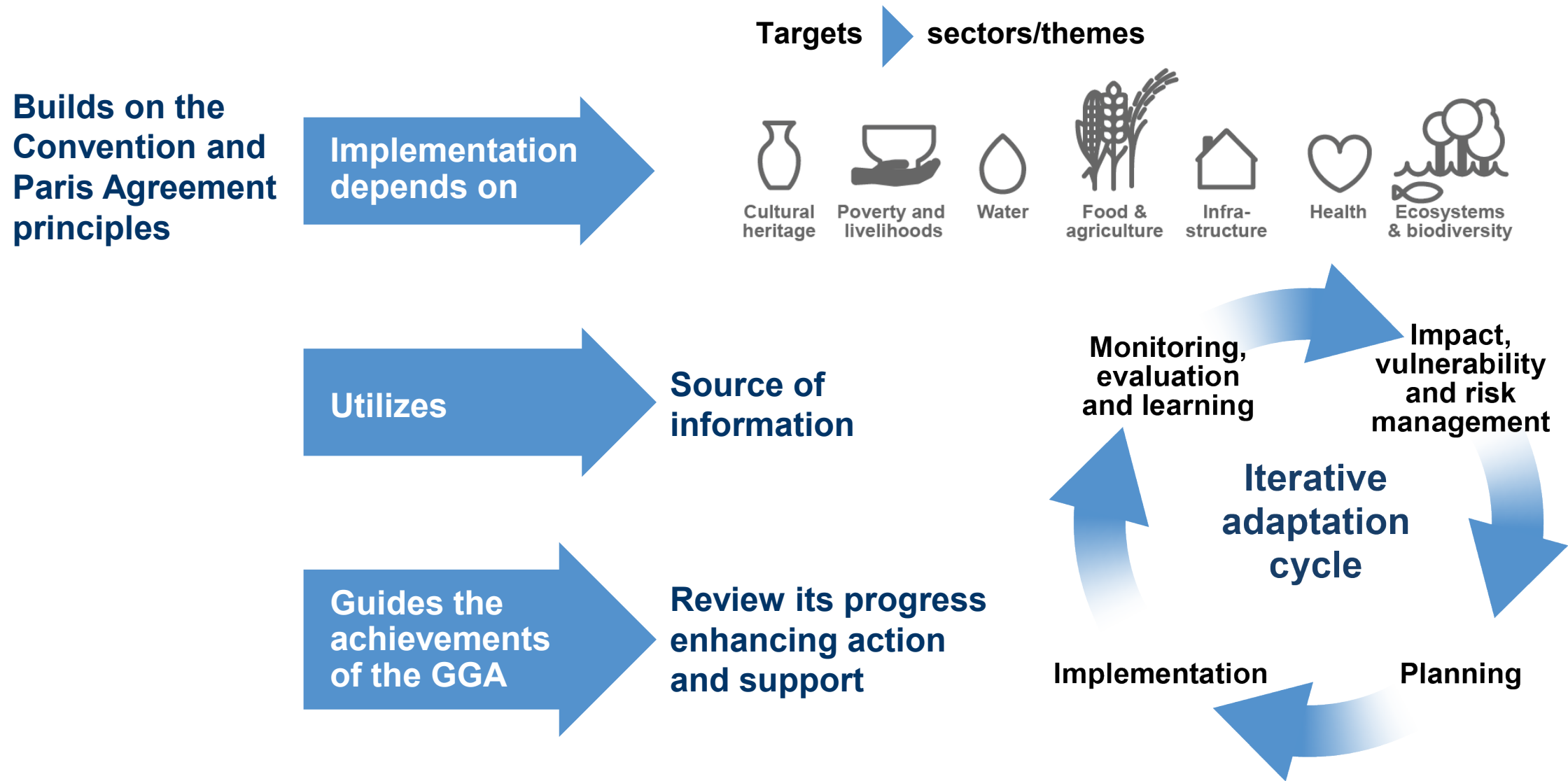
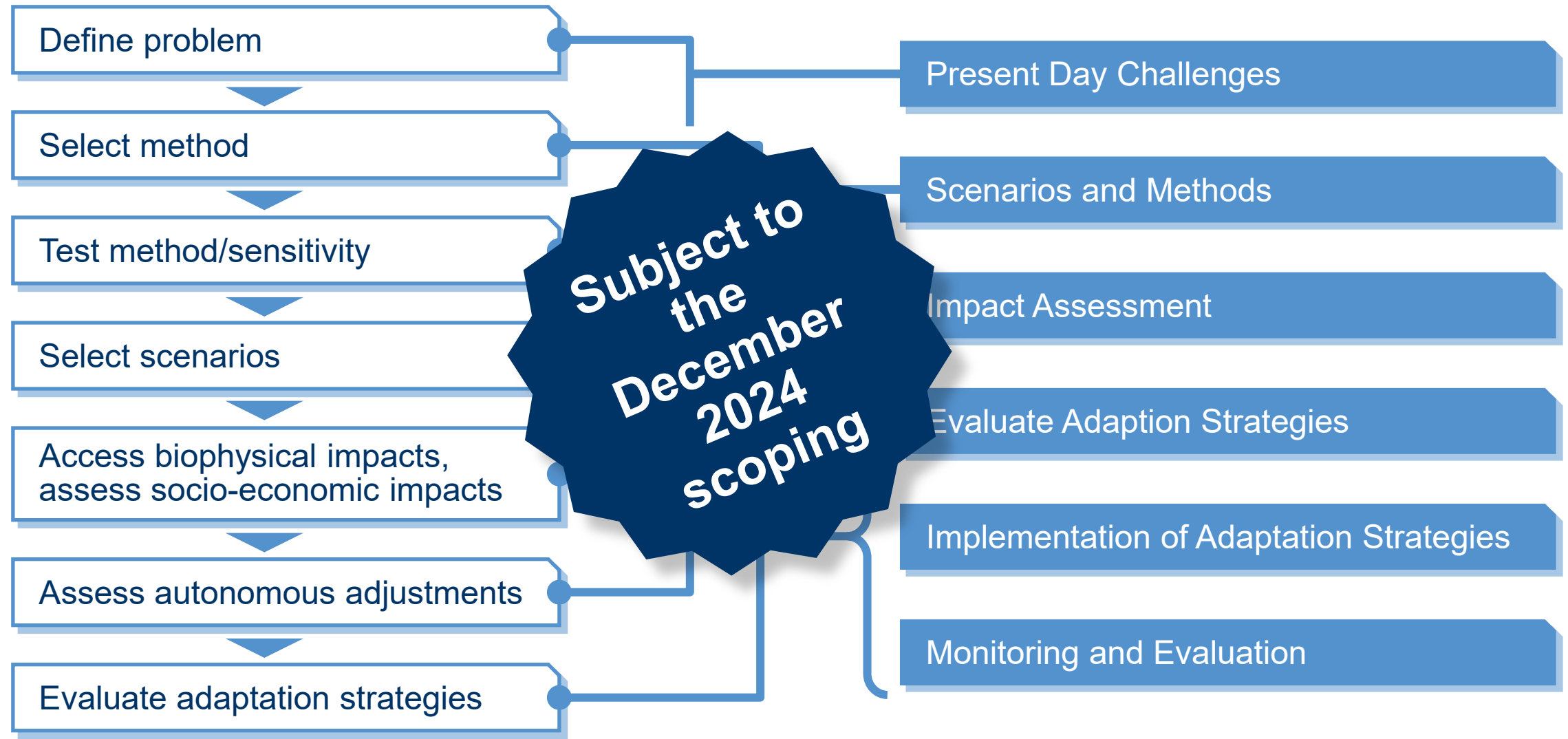


Figure based on Rubial, et al., 2024

The 1994 Impacts and Adaptation Guidelines





Follow our journey online!



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 Winston Chow