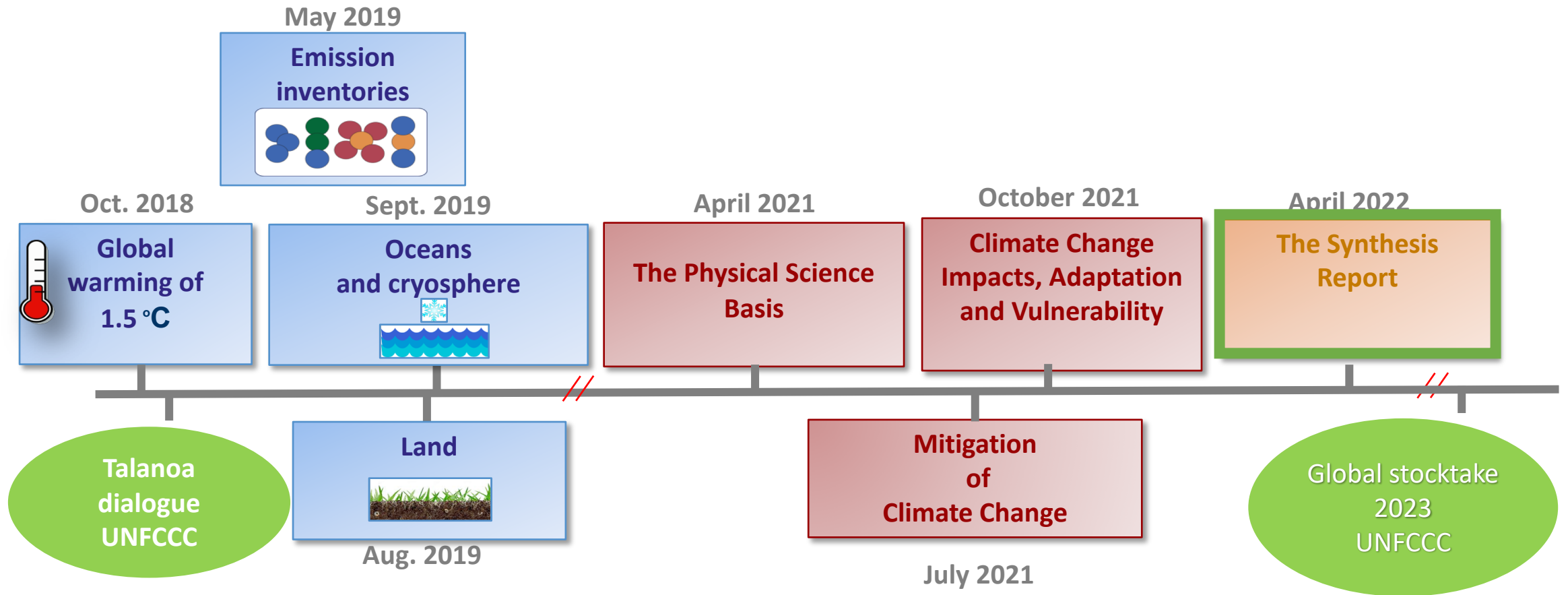


# IPCC Sixth Assessment (AR6)



## Working Group I AR6

Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based projections and near-term information

Chapter 5: Global carbon and other biogeochemical cycles and feedbacks

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

Atlas of Regional Climate Information

## Working Group I AR6

Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based information

Chapter 5: Global carbon and other biogeochemical cycles, and climate change

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

Atlas of Regional Climate Information

Reference periods and regions  
Scenarios & temperature levels  
Risk framing  
Storylines and narratives  
Global stocktake

Information

ipcc

INTERGOVERNMENTAL PANEL ON climate change



# Working Group I AR6

## Large-scale climate change

Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based projections and near-term information

Chapter 5: Global carbon and other biogeochemical cycles and feedbacks

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

Atlas of Regional Climate Information

# Working Group I AR6

Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based projections and near-term information

Chapter 5: Global carbon and other biogeochemical cycles and feedbacks

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

Atlas of Regional Climate Information

Climate processes

ipcc

INTERGOVERNMENTAL PANEL ON climate change



# Working Group I AR6

Chapter 1: Framing, context, methods

Chapter 2: Changing state of the climate system

Chapter 3: Human influence on the climate system

Chapter 4: Future global climate: scenario-based projections

Chapter 5: Global carbon and other biogeochemical cycles and feedbacks

Chapter 6: Short-lived climate forcers

Chapter 7: The Earth's energy budget, climate feedbacks, and climate sensitivity

Chapter 8: Water cycle changes

Chapter 9: Ocean, cryosphere, and sea level change

Chapter 10: Linking global to regional climate change

Chapter 11: Weather and climate extreme events in a changing climate

Chapter 12: Climate change information for regional impact and for risk assessment

Atlas of Regional Climate Information

Remaining carbon budgets

Air quality

Metrics to evaluate emissions

Water cycle

Cryosphere and sea level

ipcc

INTERGOVERNMENTAL PANEL ON climate change



# WGI-III 2019 Timeline



# WGI Timeline (and WG II submission deadline)

## 2019

29 April – 23 June

Expert Review of First Order Draft

26 August – 1 September

Third Lead Author Meeting, Toulouse, France

---

## 2020

2 March – 26 April

Expert and Government Review of Second Order Draft

1– 7 June

Fourth Lead Author Meeting (location tbc)

1 July

Cut-off date for submission of **WG II** papers

15 October

Cut-off date for accepted literature for inclusion in the Final Draft

7 December – 31 January

Final Government Distribution of Final Draft and  
Government Review of the Summary for Policymakers

---

## 2021

12 – 18 April

Submission to the WGI Session for approval of the  
Summary for Policymakers and acceptance of the underlying Report



## Working Group II AR6

Chapter 1: Point of departure and key concepts

Chapter 2: Terrestrial and freshwater ecosystems and their services

Chapter 3: Ocean and coastal ecosystems and their services

Chapter 4: Water

Chapter 5: Food, fibre, and other ecosystem products

Chapter 6: Cities, settlements and key infrastructure

Chapter 7: Health, wellbeing and the changing structure of communities

Chapter 8: Poverty, livelihoods and sustainable development

Chapter 9-15: Africa, Asia, Australasia, Central and South America, Europe, North America,  
Small Islands

Chapter 16: Key risks across sectors and regions

Chapter 17: Decision-making options for managing risk

Chapter 18: Climate resilient development pathways

Cross-chapter papers: Biodiversity hotspots (land, coasts and oceans), Cities and settlements  
by the sea, Deserts semi-arid areas and desertification, Mediterranean region, Mountains,  
Polar regions, Tropical forests

## Links with WGIII

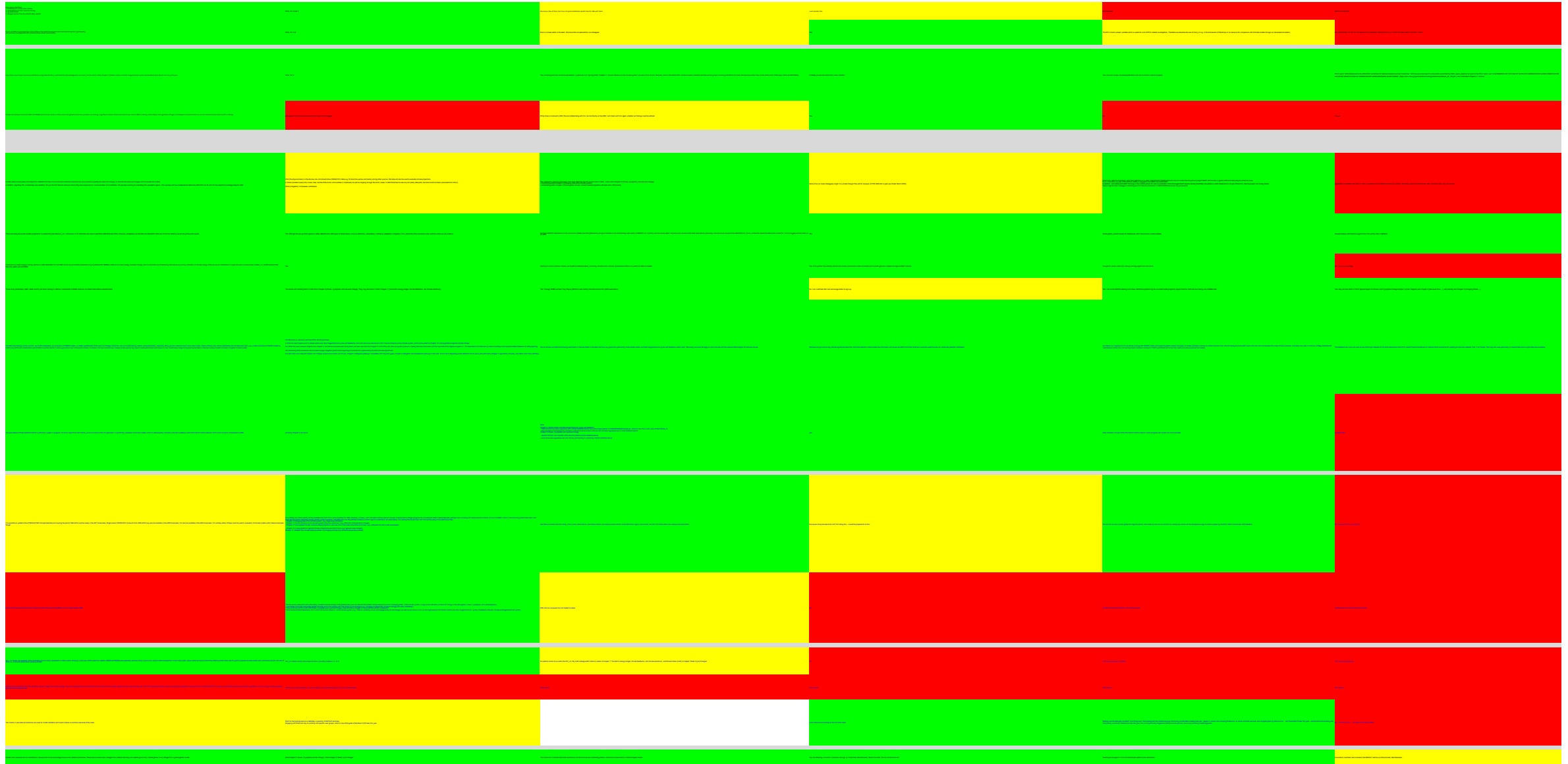
- Separation of CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, other GHGs
- Short-lived climate forcers/pollutants and health co-benefits of mitigation

## Links across WGI-WGII-WGIII

- Land use changes and implications
- Geophysical limits and climate change (biomass, energy)

# Survey of CCI projects inputs/links to AR6 (16 out of 26 responded so far)

Q.1) Which results for AR6? Q.2) Which chapters? Q.3) IPCC Contacts? Q.4) FOD reviewer? Q.5) Other pathways? Q.6) SR impacts?



## Survey of CCI projects inputs/links to AR6: Summary of responses

- Many projects (will) have results relevant to AR6 chapters
- Many projects have direct or institutional links with or include IPCC (contributing) authors
- Many projects will engage in the expert review
- Main focus is on input into underpinning climate science/model assessment, i.e. WGI with few references to other WGs or lack of clarity how to engage with these
- Relevance to “regional” issues (e.g. on trends or impacts) not highlighted in general
- New ECVs will not have results/papers submitted in time for AR6 deadlines – though some mention of precursor datasets which could be relevant
- Some new ECV projects not planning to engage in review or otherwise
- 10 CCI projects are yet to respond