

# Overview of the progress in the preparation of the IPCC Seventh Assessment Report (AR7)

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**IPCC Vice Chair**

**IPCC Climate Change Symposium**

**Tokyo, Japan**

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# Outline

1. IPCC Role and History
2. The IPCC Seventh Assessment Cycle Programme of work
3. Progress in the preparation of the IPCC products in AR7
4. The participation of Scientists and Experts from Japan in AR7
5. Summary and Recommendation

# IPCC Mandate

## IPCC's role is...

to **assess** on a comprehensive, objective, open and transparent basis the **scientific, technical and socio-economic information** relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts and options for adaptation and mitigation.

## Key Principles

IPCC reports should be **neutral with respect to policy**, although they may need to **deal objectively with scientific, technical and socio-economic factors** relevant to the application of policies.

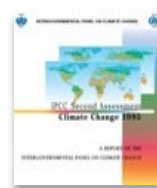
# History | Evolution of the IPCC



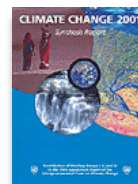
**IPCC** jointly  
established  
by WMO  
and UNEP



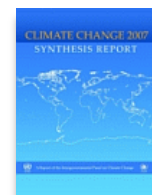
**First  
Assessment  
Report**  
Led to  
creation of  
UNFCCC in  
1994



**Second  
Assessment  
Report**  
Kyoto Protocol



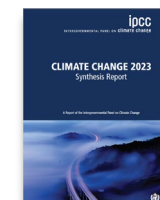
**Third  
Assessment  
Report**  
Focus attention  
on adaptation  
to climate  
change



**Fourth  
Assessment  
Report**  
2°C Limit  
Nobel Peace  
Prize



**Fifth  
Assessment  
Report**  
Paris  
Agreement -  
2015



**Sixth  
Assessment  
Report**  
First Global  
Stocktake -  
COP28

**1988**

**1990**

**1995**

**2001**

**2007**

**2014**

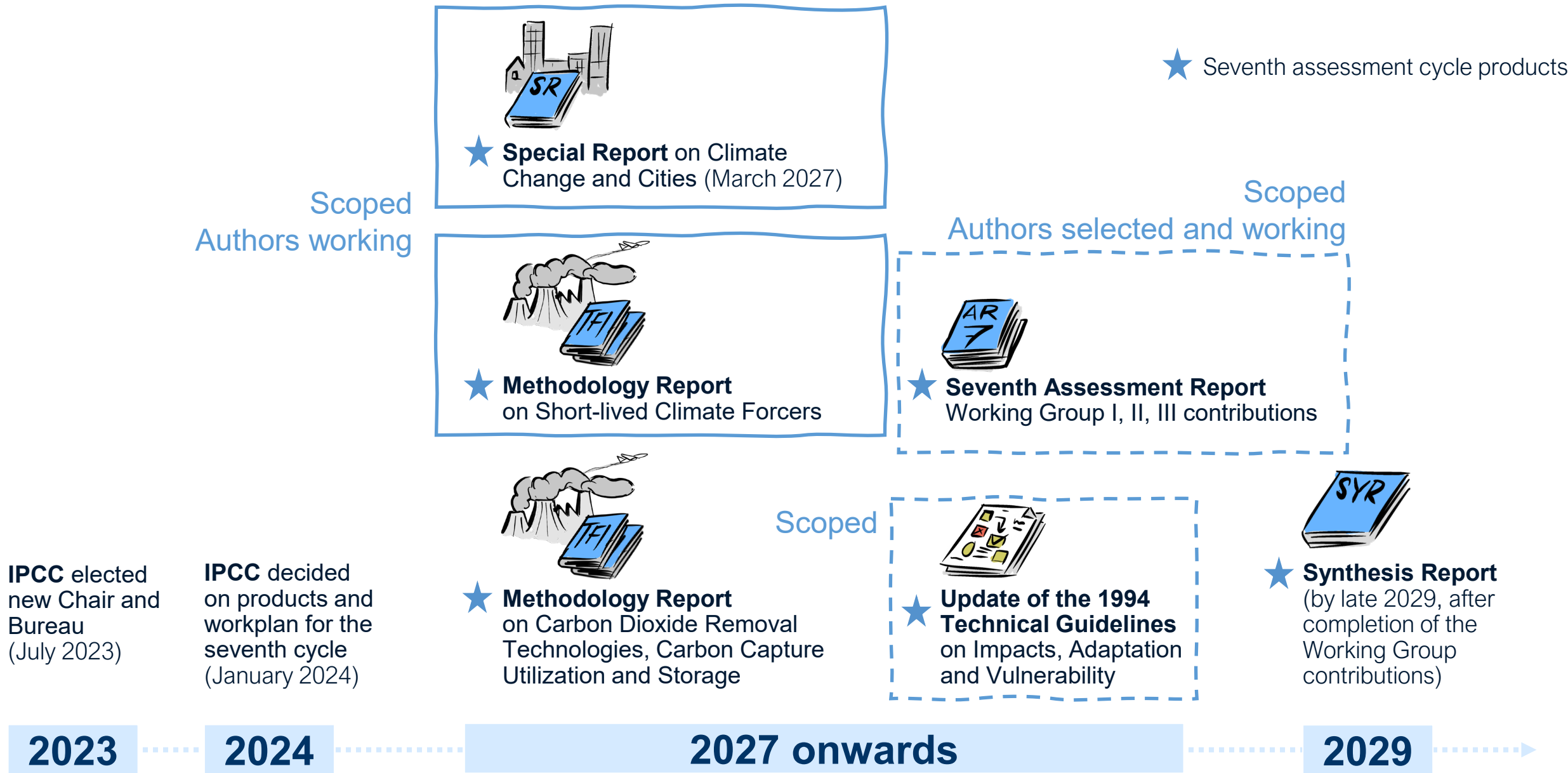
**2023**

GROWTH IN SCIENTIFIC RESEARCH

INCREASE IN STAKEHOLDER INVOLVEMENT

GROWING PUBLIC AWARENESS

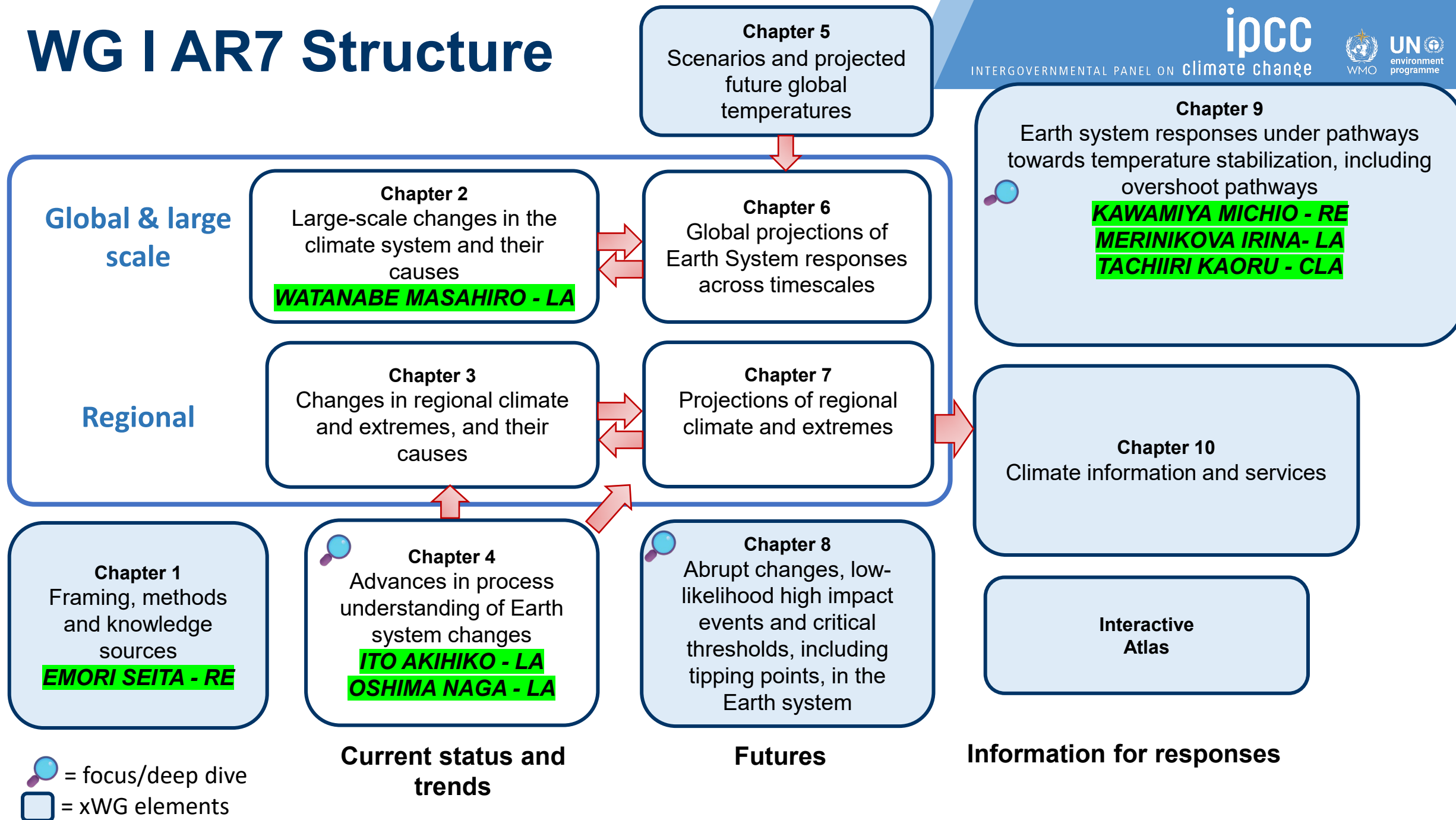
# IPCC Seventh Assessment Cycle



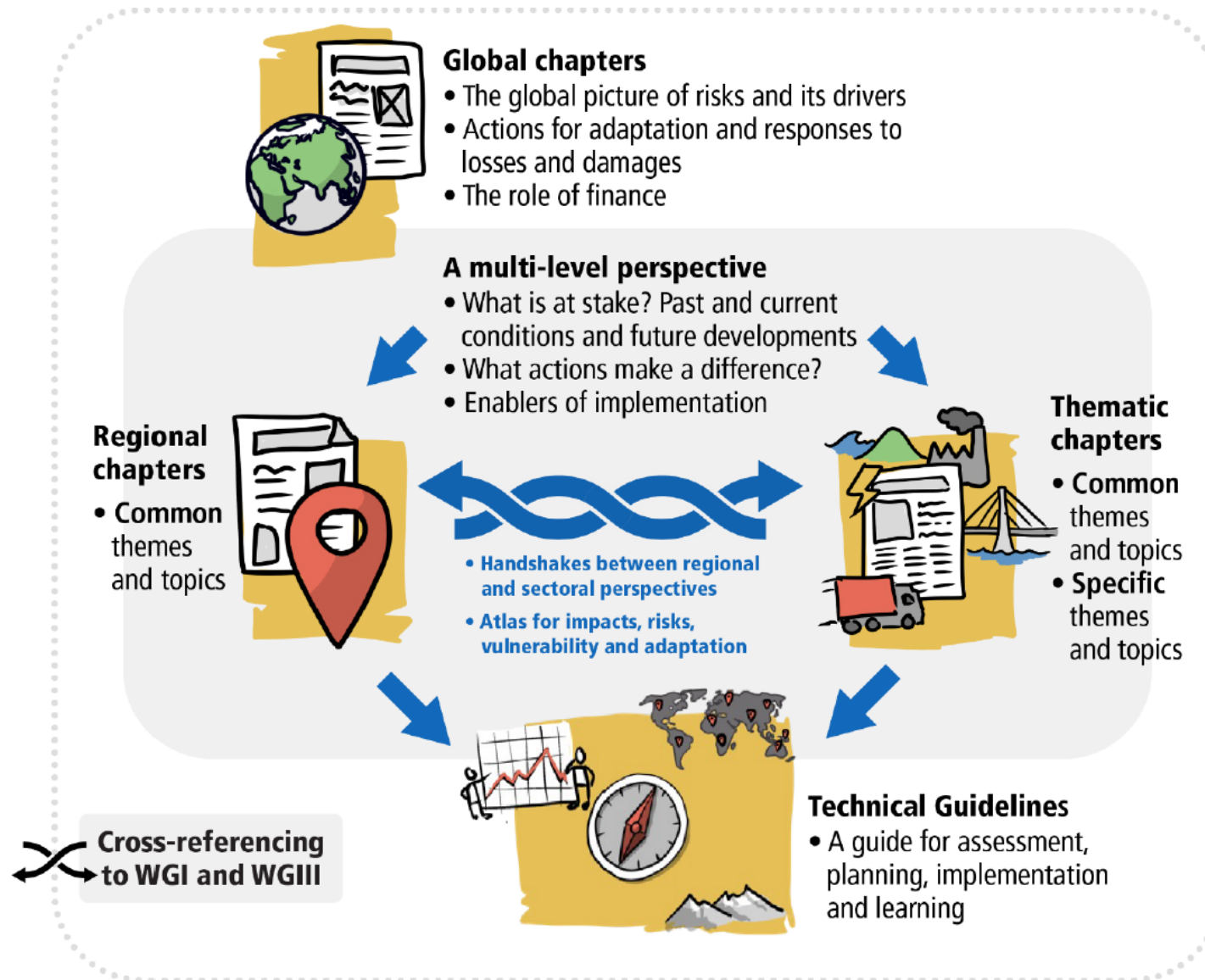
## AR7 Activities Horizontal Timeline



# WG I AR7 Structure

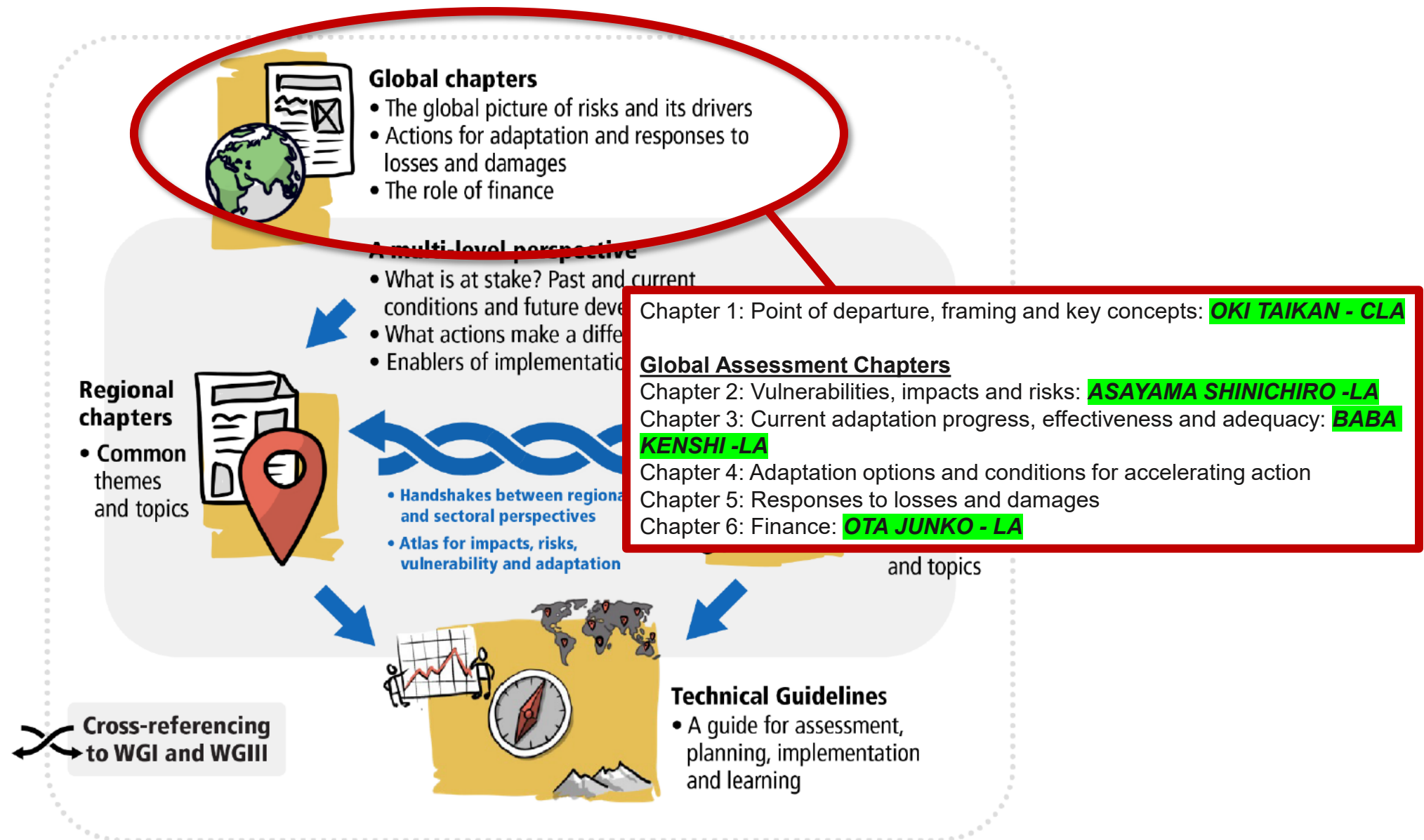


# Outline of Working Group II AR7

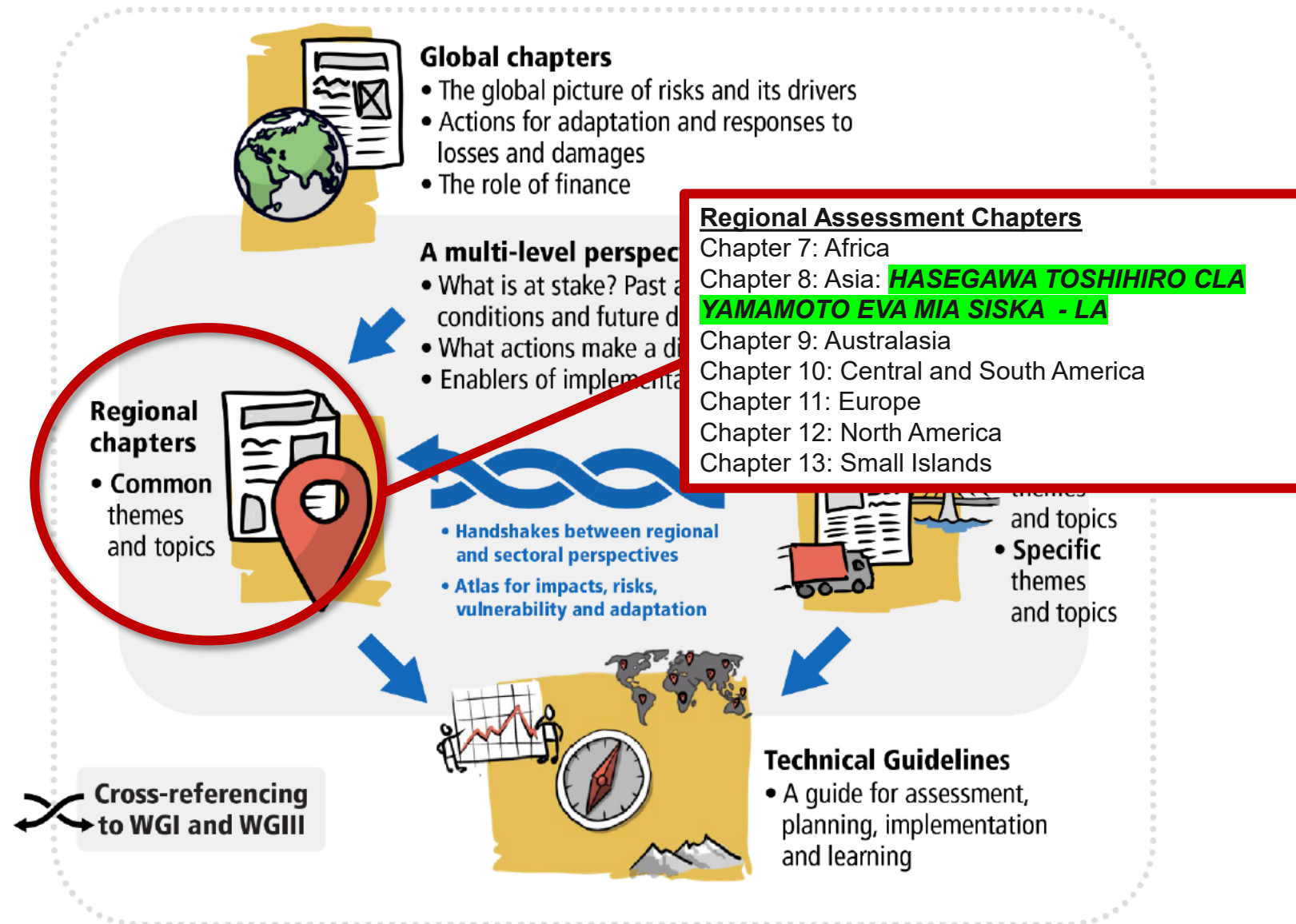




# Starting with global chapters



# Progressing to regional chapters



# Moving to thematic chapters

## Global chapters

### Thematic Assessment Chapters

- Chapter 14: Terrestrial, freshwater and cryospheric biodiversity, ecosystems and their services
- Chapter 15: Ocean, coastal and cryospheric biodiversity, ecosystems and their services
- Chapter 16: Water: **HANASAKI NAOTA - LA**
- Chapter 17: Agriculture, food, forestry, fibre and fisheries: **IIZUMI TOSHICHIKA : LA**
- Chapter 18: Adaptation of human settlements, infrastructure and industry systems
- Chapter 19: Health and well-being
- Chapter 20: Poverty, livelihoods, mobility and fragility

risks and its drivers  
on and responses to

ective  
st and current  
e developments  
a difference?

## Regional chapters

- Common themes and topics

- Handshakes between regional and sectoral perspectives
- Atlas for impacts, risks, vulnerability and adaptation

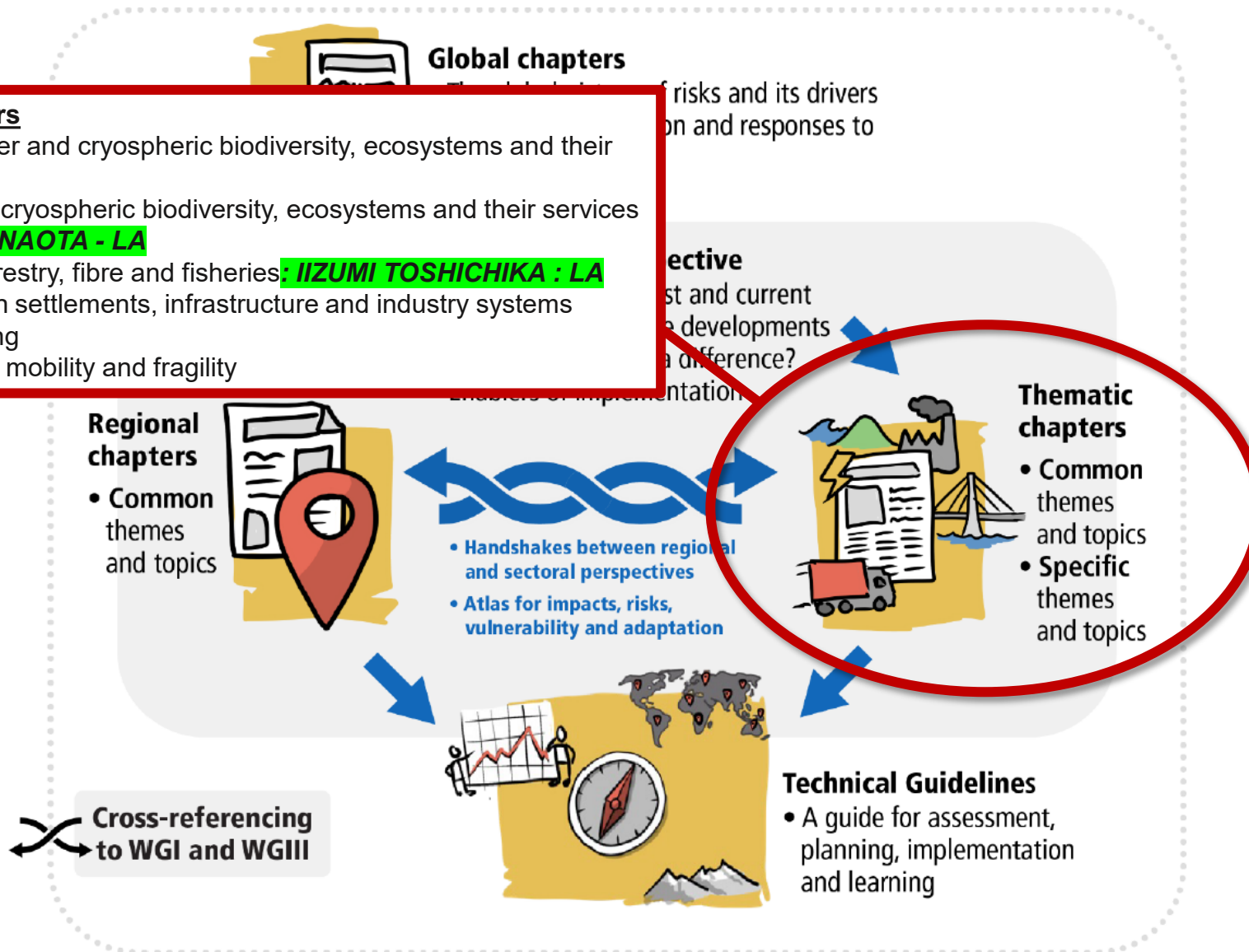
## Thematic chapters

- Common themes and topics
- Specific themes and topics

## Technical Guidelines

- A guide for assessment, planning, implementation and learning

Cross-referencing  
to WGI and WGIII



# Outline of WG III AR7

## Working Group III Contribution to the IPCC Seventh Assessment Report

1. Introduction and framing
2. Past and current anthropogenic emissions and their drivers: **ODA TOMOHIRO-LA, TANAKA KATSUMASA – LA**
3. Projected futures in the context of sustainable development and climate change: **HASEGAWA TOMOKO - LA**
4. Sustainable development and mitigation: **FUJIMORI SHINICHIRO - LA**
5. Enablers and barriers
6. Policies and governance and international cooperation: **AKROF MARK-LA**
7. Finance: **MORITA KANAKO - LA**
8. Services and demand : **AKIMOTO KEIGO-LA**
9. Energy systems: **SILVA HERRAN DIEGO – LA**
10. Industry: **TANAKA KANAKO – LA – CH10**
11. Transport and mobility services and systems: **ZUSMAN ERIC -LA**
12. Buildings and human settlements: **KAMEI MIHO – LA, MURAKAMI JIN -LA**
13. Agriculture, Forestry and Other Land Use
14. Integration and interactions across sectors and systems
15. Potentials, limits, and risks of Carbon Dioxide Removal: **SUGIYAMA MASAHIRO – CLA**

Past and current trends and futures, sustainable development and mitigation

Factors that enable or constrain mitigation

Sectors, systems and their integration

Carbon dioxide removal

# Scientists and Experts from Japan in AR7

N o	SRCCC	WGI	WGII	WGIII
1	DOAN Quang-Van - LA-CH2	EMORI Seita. RE CH1	ASAYAMA Shinichiro - LA CH2	AKIMOTO Keigo. - LA CH8
2	HASHIZUME Masahiro LA-CH2	ITO Akihiko. LA CH4	BABA Kenshi. - LA CH3	AKROFI Mark Mccarthy - LA CH6
3	SOKOLOWSKI MACIEJ LA_CH4	KAWAMIYA Michio. RE CH9	HANASAKI Naota. - LA CH16	FUJIMORI Shinichiro LA CH4
4	ESTOQUE Ronald LA CH5	MELINIKOVA Irina. - LA CH9	HASEGAWA Toshiro. - CLA CH8	HASEGAWA Tomoko LA CH3
5	ITO Rui. LA CH5	OSHIMA Naga. - LA CH4	IIZUMI Toshichika. - LA CH17	KAMEI Miho. - LA CH12
6	SHAW. Rajib. - RE CH5	TACHIIRI Kaoru. - CLA CH9	OKI Taikan. - CLA CH17	MORITA Kanako. - LA CH7
7		WATANABE Masahiro - LA CH2	OTA Junko. - LA CH6	MURAKAMI Jin. - LA CH12
8			YAMAMOTO Eva Mia Siska - LA CH8	ODA Tomohiro. - RE CH2
9				SILVA Herran Diego. - LA 9
10				SUGIYAMA Masahiro - CLA CH15
11				TANAKA Konako. - LA CH10
12				TANAKA Katsumasa. - LA CH2
13				ZUSMAN Eric. - LA CH11



# Consensus is hard work!



Photos by IISD/ENB



## Summary and Recommendation

1. IPCC reports continue to shape climate policies and climate action at every level, including international negotiations, as demonstrated at COP conferences under UNFCCC auspices.
2. The IPCC's strength lies in its scientific depth, its rigorous processes, and its ability to achieve consensus among 195 member governments.
3. Your role in generating knowledge, and your participation in IPCC process is critical and very significant and allows us to provide the world with the best available science, solution oriented and actionable information to inform policies and decisions in addressing the climate change challenges.
4. In the Seventh Assessment Cycle (AR7), IPCC is committed to strengthen Inclusivity and Diversity including promoting the enhanced participation of practitioners, Indigenous Knowledge Experts, Young People and Early career Scientists in the IPCC Process.
5. We Encourage All Scientists and Experts including Early Career Scientists participating in this Symposium and across JAPAN to strengthen participation in IPCC Process, and also consider preparing policy brief from the respective IPCC AR7 reports and products.

# THANK YOU

FOR YOUR ATTENTION

## STAY IN TOUCH



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## STAY CONNECTED



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