



# REFLECTIONS ON THE FOURTH NATIONAL CLIMATE ASSESSMENT

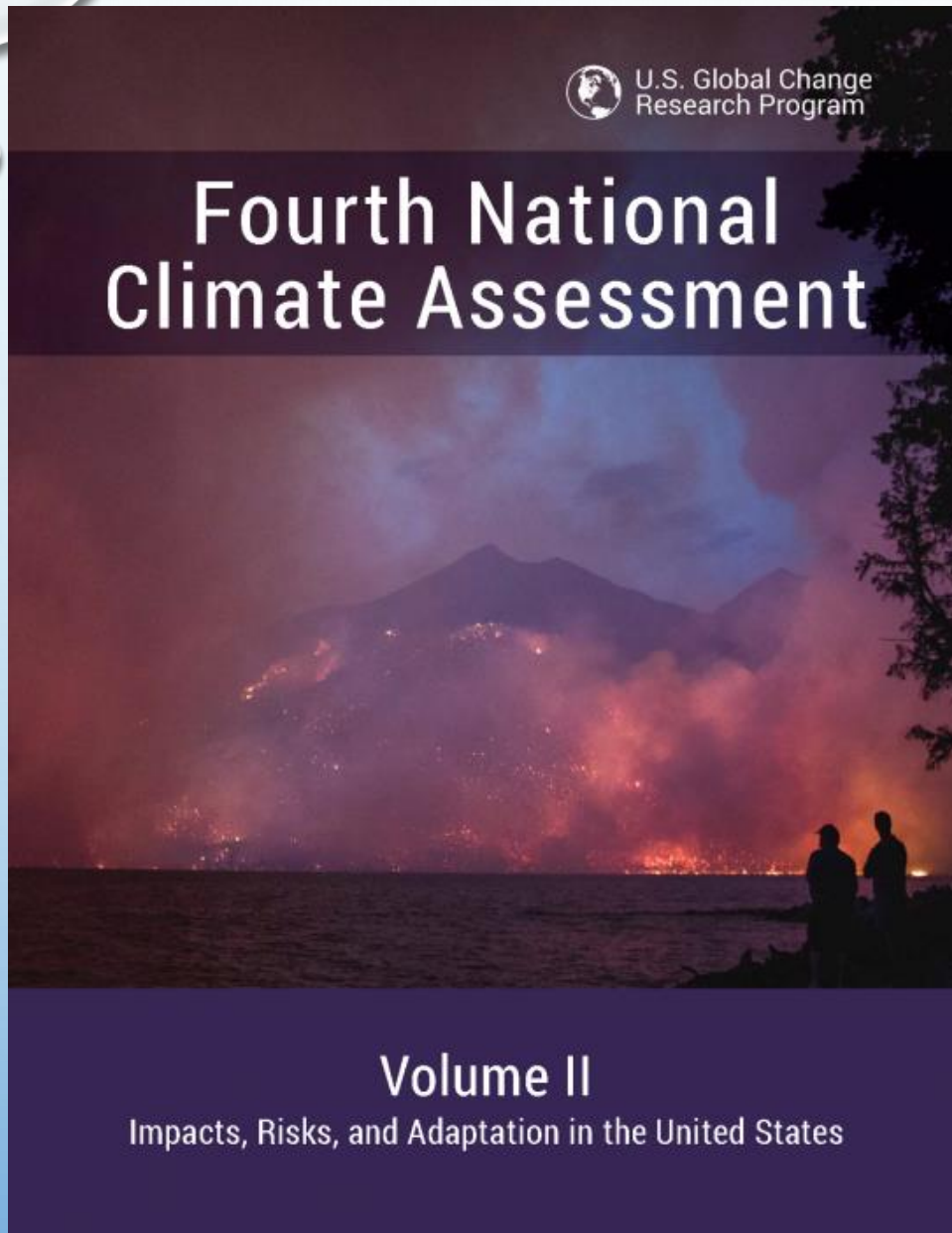
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UNIVERSITY OF FLORIDA

WCA DEC 20/2018

# REFLECTIONS ON THE NATIONAL CLIMATE ASSESSMENT



“The impacts of global climate change are already being felt in the United States and are projected to intensify in the future – but the severity of future impacts will depend largely on actions taken [ to reduce greenhouse gas emissions and adapt to the changes]”

<https://nca2018.globalchange.gov/>

# REFLECTIONS ON THE NATIONAL CLIMATE ASSESSMENT

Fourth  
Climate

# BLACK FRIDAY



Volume II

Impacts, Risks, and Adaptation in the United States

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## SO WHAT IS NCA4 ANYWAY?

- Global Change Research Act (1990) mandates that the 'U.S Global Change Research Program' (USGCRP) deliver a report to congress and the President every four years that:
  - Integrates the findings of the program
  - Analyzes the effects of climate change on a multitude of sectors and natural systems
  - Analyzes present and future trends in global change, both human-induced and natural



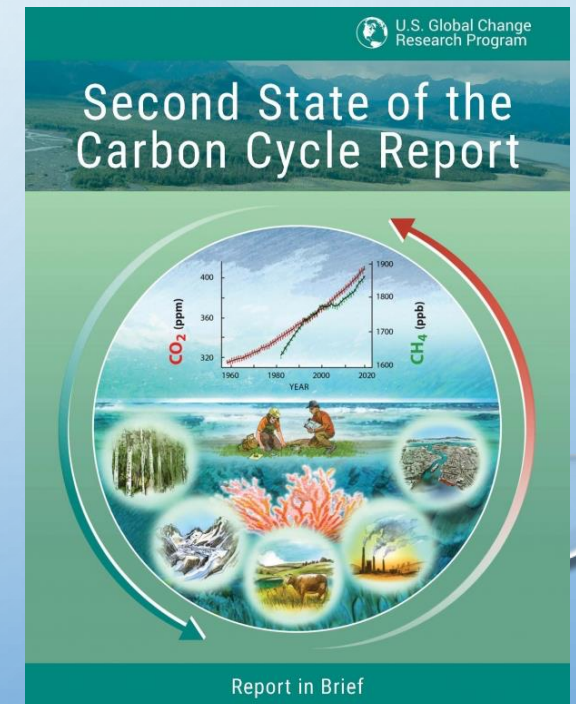
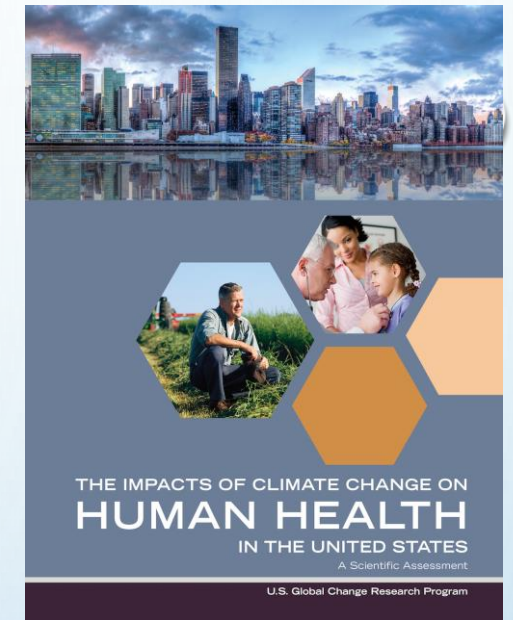
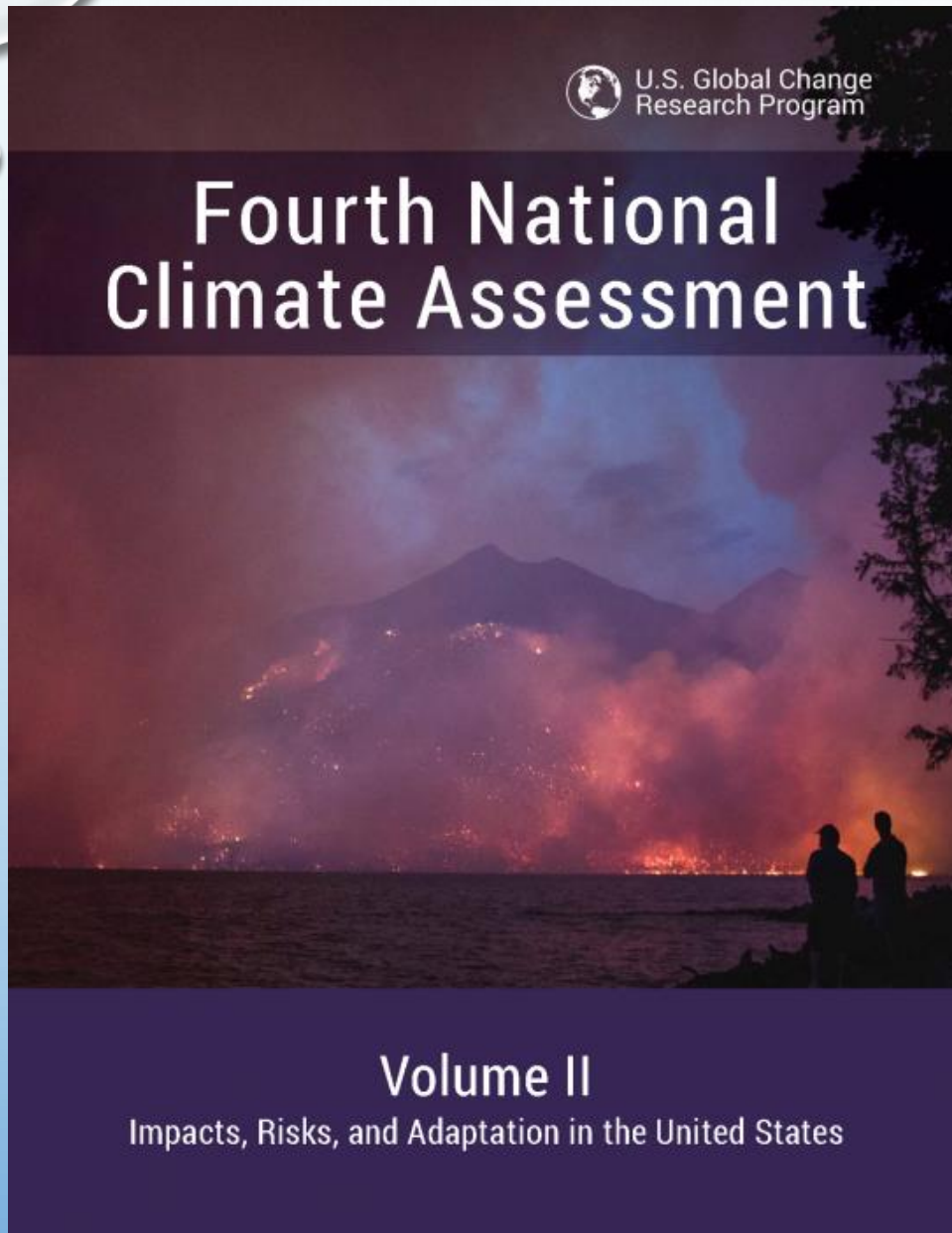


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  - Analyzes the effects of climate change on a multitude of sectors and natural systems
  - Analyzes present and future trends in global change, both human-induced and natural
- Highly Influential Scientific Assessment (HISA)
  - Subject to rigorous standards on the quality of information (subject to 'information quality Act')



# SO WHAT IS NCA4 ANYWAY?

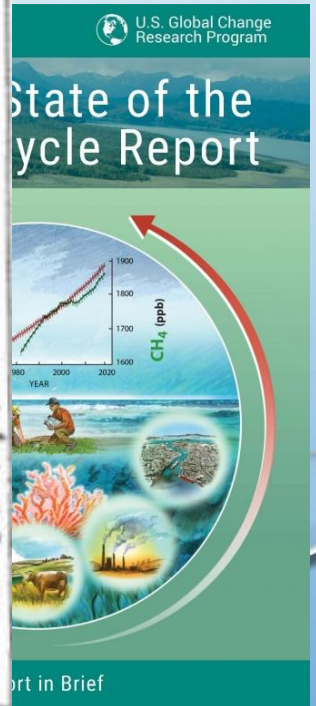




# SO WHAT IS NCA4 ANYWAY?

For  
Climate

Impacts,



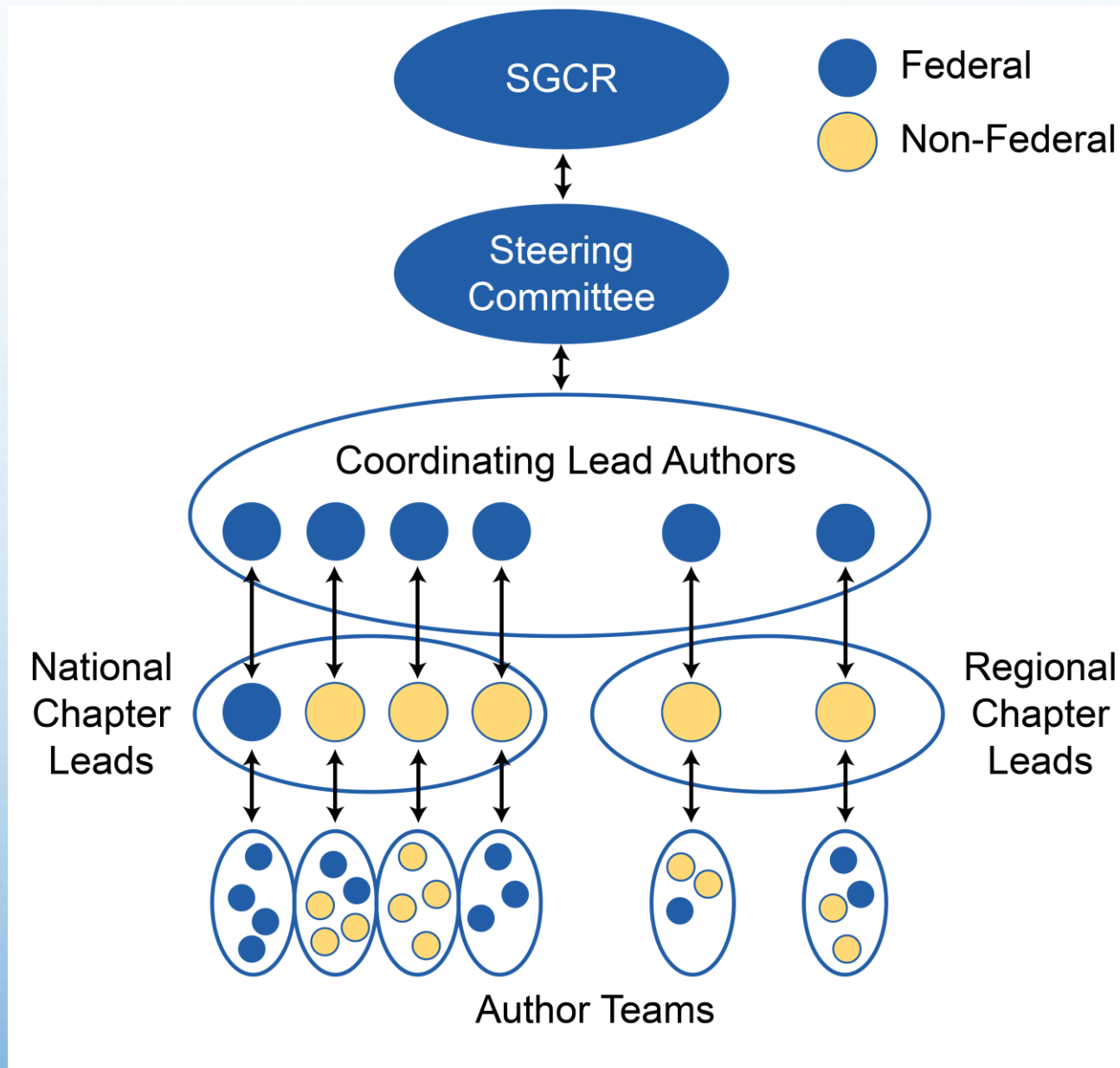
# CREATING THE NCA4

USGCRP is composed of 13 Federal Agencies...





# CREATING THE NCA4



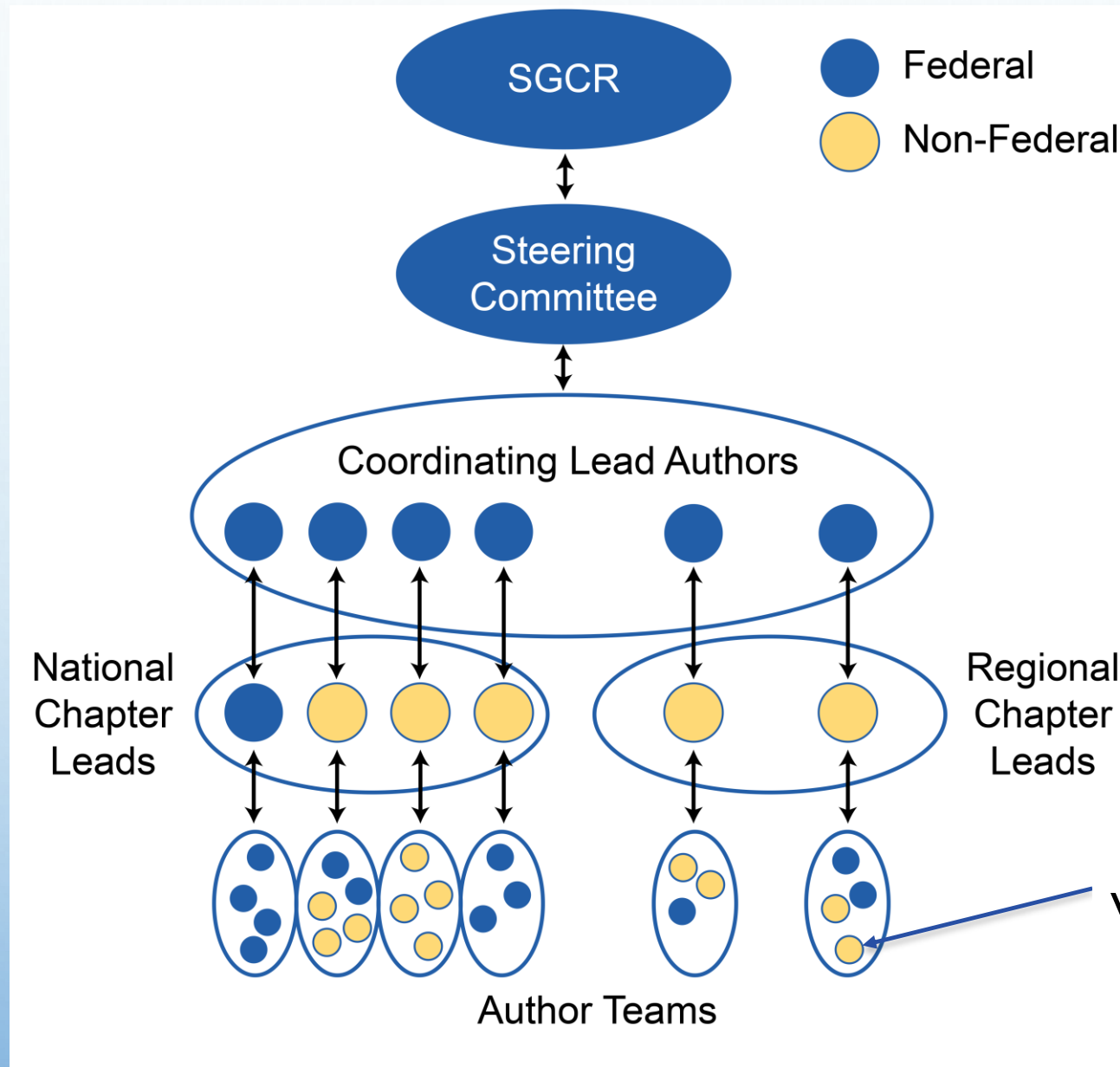
# CREATING THE NCA4

This work is voluntary

Top levels nominate experts to serve as CLAs (federal) and non-federal co-leads.

These leads then competitively select their author teams. Authors apply through the USGCRP in order to be considered

For more: NCA4 – Appendix I



# CREATING THE NCA4

Once the chapters have been scoped, and until they are written and NCA4 is complete...

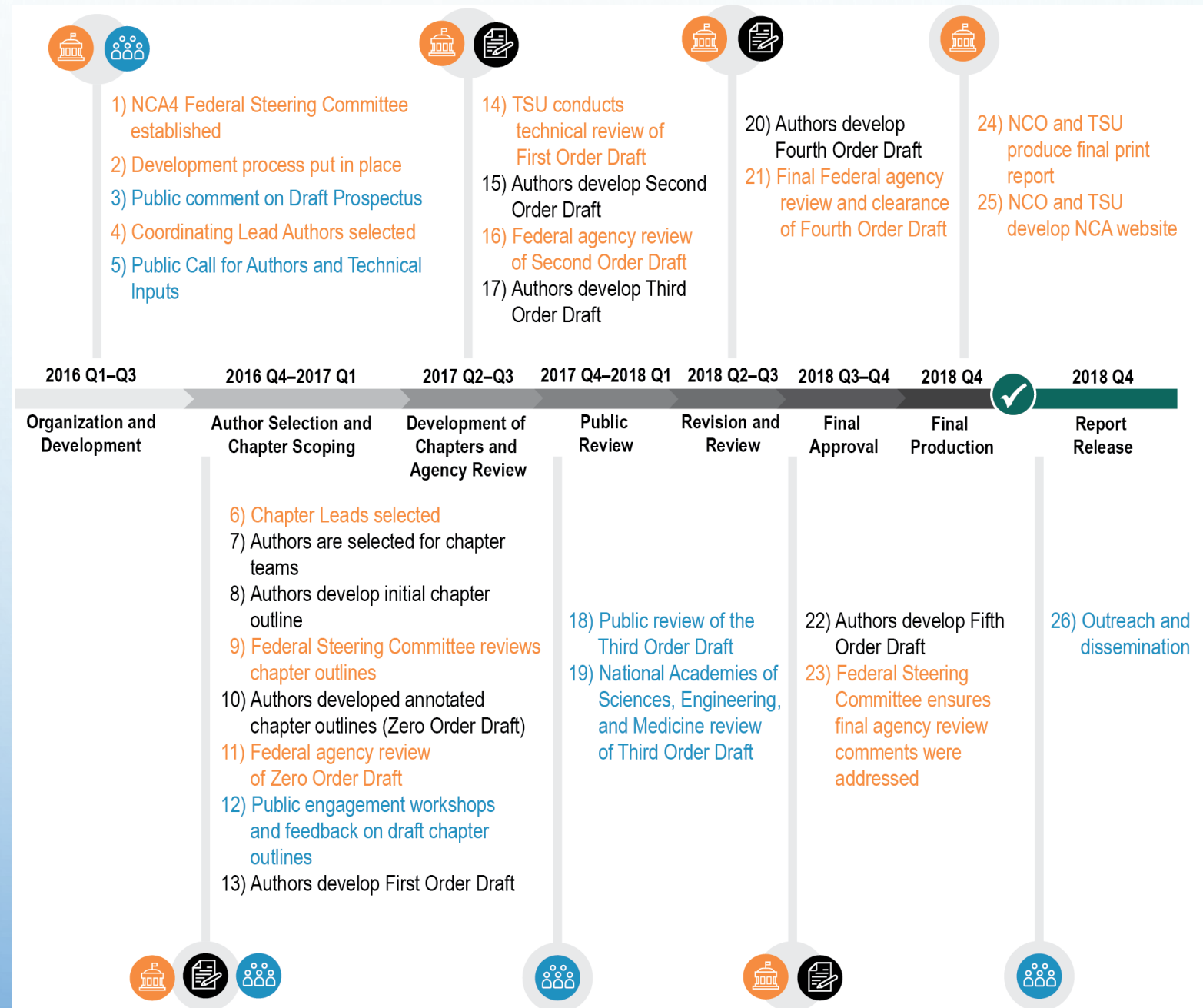
8 federal reviews

3 public reviews

1 non-agency expert review (National Academies)

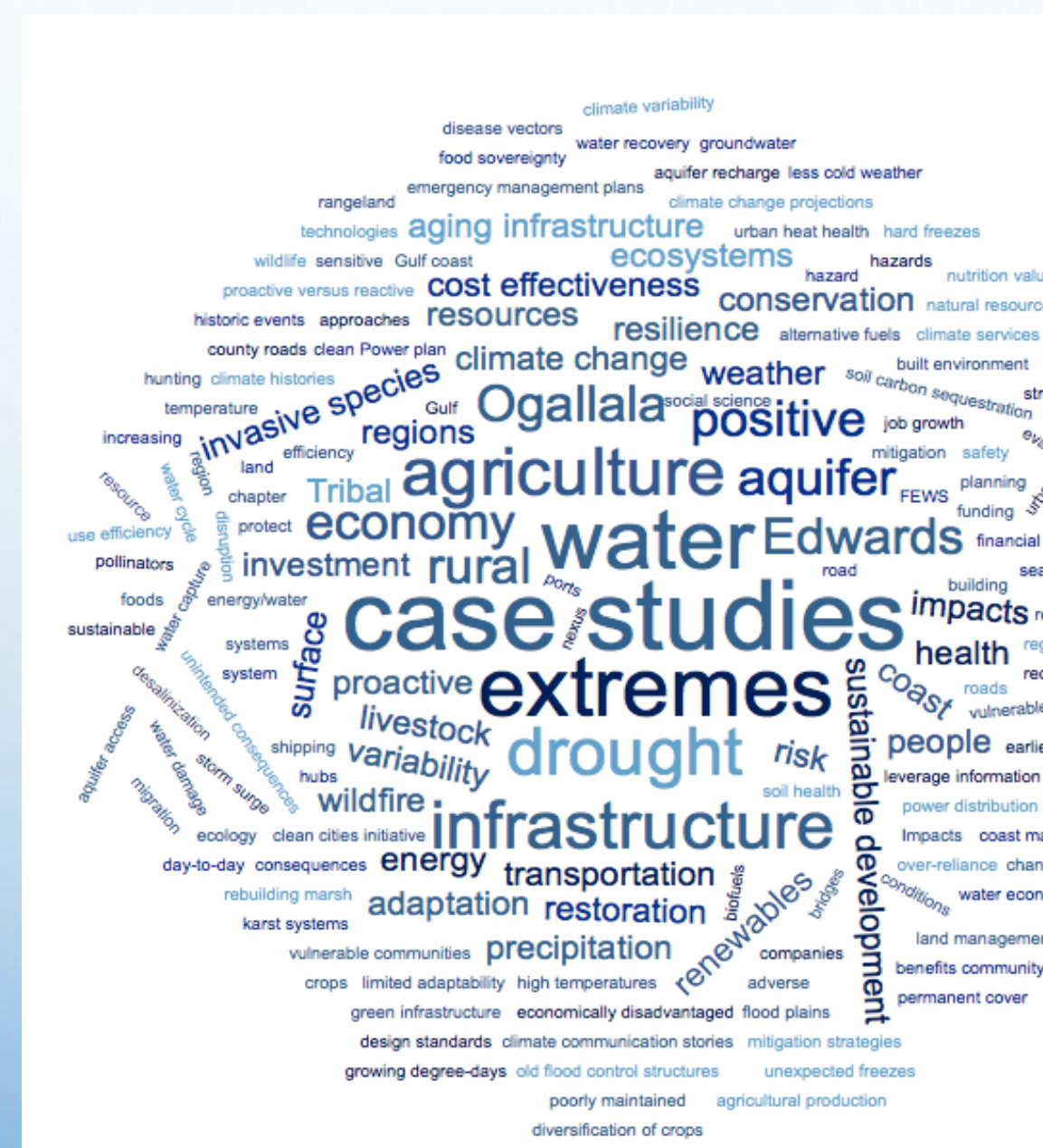
Entire process ~ 2 years for the authors, and more than 3 years for the project leads.

For more: NCA4 – Appendix I





One of the most vital  
elements in the entire report  
were a series of stakeholder  
listening sessions...



Norman, OK

# STAKEHOLDER ENGAGEMENT

Chapter Key Messages were developed in response to this listening session

Gaps in author expertise were also identified as a result of these conversations.

HOWEVER – we lacked participation from some sectors, and had only limited input from others.





## HOW CAN YOU BE INVOLVED?

- In order for these reports to truly reflect the key issues, adaptation options, and the current 'state of the science/art', we need local experts to be engaged!
- Look out for opportunities to be involved in the next NCA (<https://www.globalchange.gov/engage>)
- Academics and Practitioners need to talk more – forums like the WCA are valuable
- Other FL-based assessments may be in the pipeline and are in need of input from regional professionals (contact the Florida Climate Institute)

THANK YOU!