# REFLECTIONS ON THE FOURTH NATIONAL CLIMATE ASSESSMENT

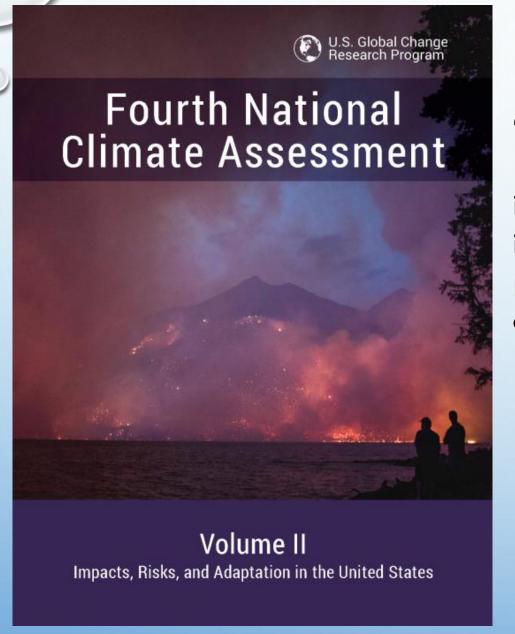
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UNIVERSITY OF FLORIDA

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



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Volume II

Impacts, Risks, and Adaptation in the United States

### 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 humaninduced and natural

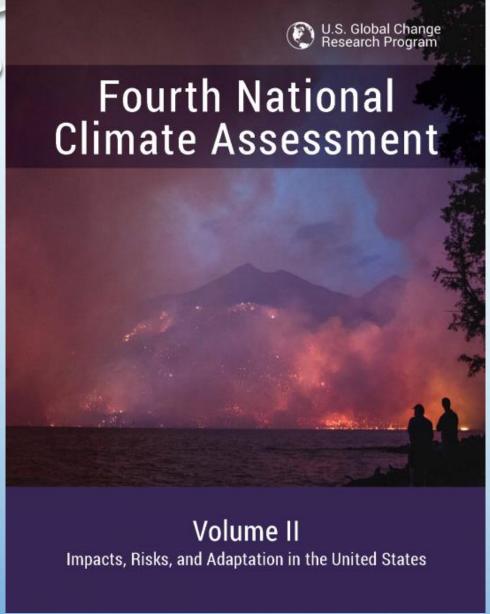


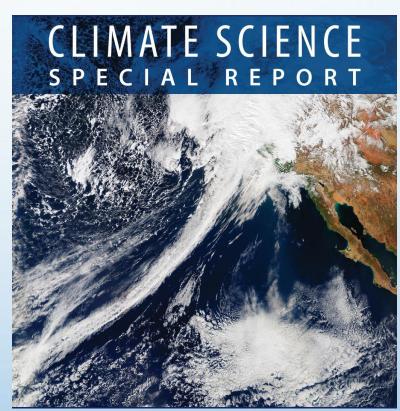
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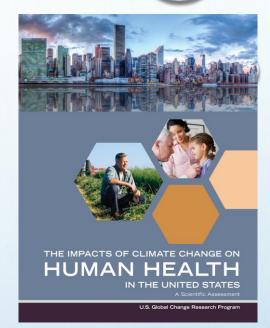
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  - Analyzes the effects of climate change on a multitude of sectors and natural systems
  - Analyzes present and future trends in global change, both humaninduced and natural
- Highly Influential Scientific Assessment (HISA)
  - Subject to rigorous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

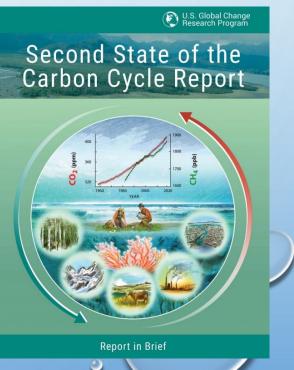


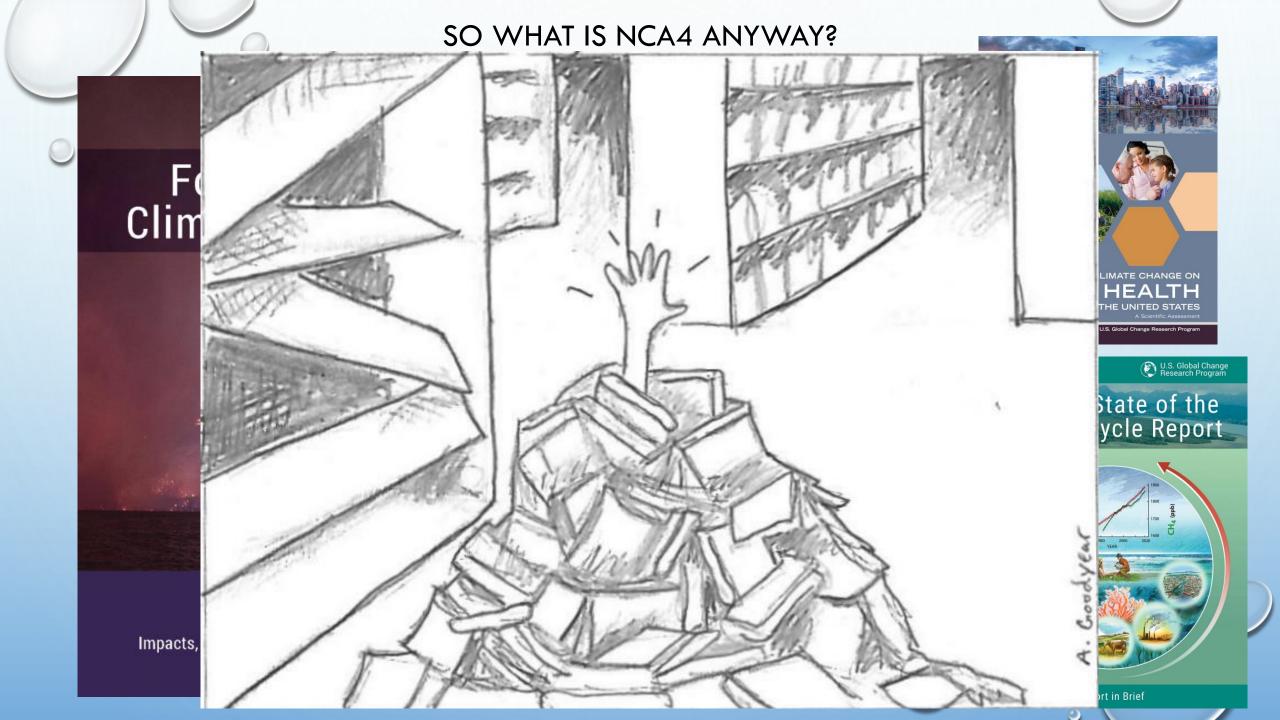
### SO WHAT IS NCA4 ANYWAY?















# USGCRP is composed of 13 Federal Agencies...























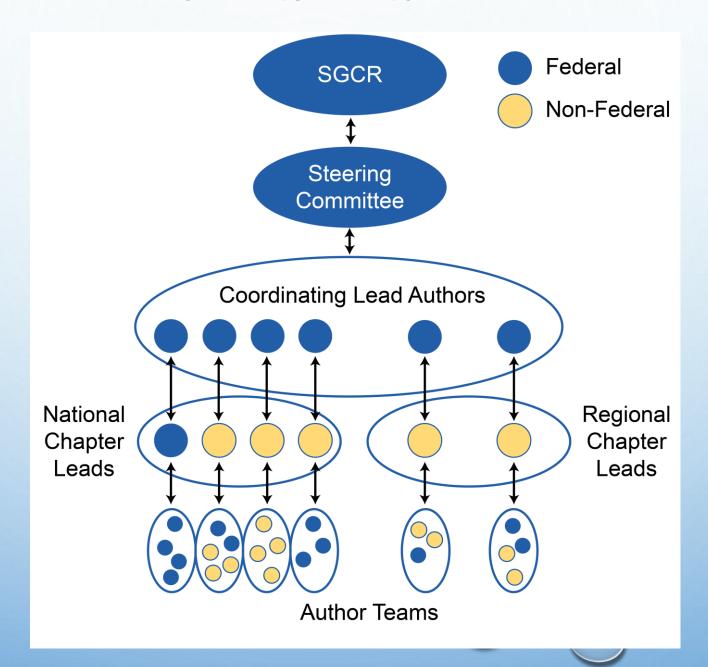








# **CREATING THE NCA4**



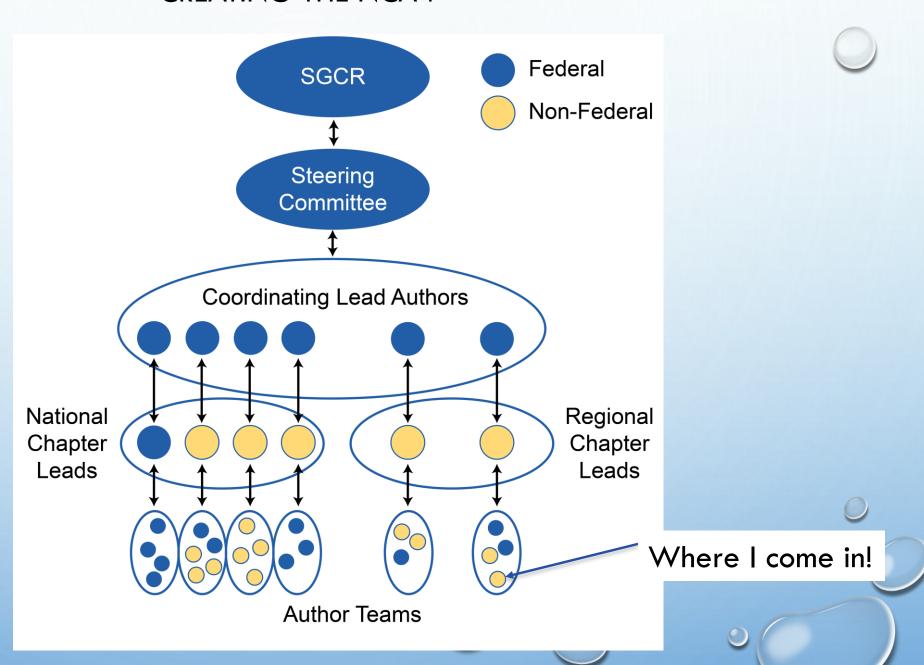


This work is voluntary

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

### CREATING THE NCA4



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.















- 2) Development process put in place
- 3) Public comment on Draft Prospectus
- 4) Coordinating Lead Authors selected
- 5) Public Call for Authors and Technical Inputs
- 14) TSU conducts technical review of First Order Draft
- 15) Authors develop Second Order Draft
- 16) Federal agency review of Second Order Draft
- 17) Authors develop Third Order Draft

- 20) Authors develop Fourth Order Draft
- 21) Final Federal agency review and clearance of Fourth Order Draft
- 24) NCO and TSU produce final print report
- 25) NCO and TSU develop NCA website

2016 Q1-Q3	2016 Q4-2017 Q1	2017 Q2-Q3	2017 Q4-2018 Q1	2018 Q2-Q3	2018 Q3-Q4	2018 Q4	2018 Q4
				<b>&gt;</b>		$\checkmark$	
Organization and Development	Author Selection and Chapter Scoping	Development of Chapters and Agency Review	Public Review	Revision and Review	Final Approval	Final Production	Report Release
	<ul> <li>6) Chapter Leads selected</li> <li>7) Authors are selected for chapter teams</li> <li>8) Authors develop initial chapter outline</li> <li>9) Federal Steering Committee reviews chapter outlines</li> <li>10) Authors developed annotated chapter outlines (Zero Order Draft)</li> <li>11) Federal agency review of Zero Order Draft</li> <li>12) Public engagement workshops and feedback on draft chapter outlines</li> <li>13) Authors develop First Order Draft</li> </ul>		19) National A Sciences and Medi		Order D 23) Federal Commit	Steering tee ensures ency review nts were	26) Outreach and dissemination











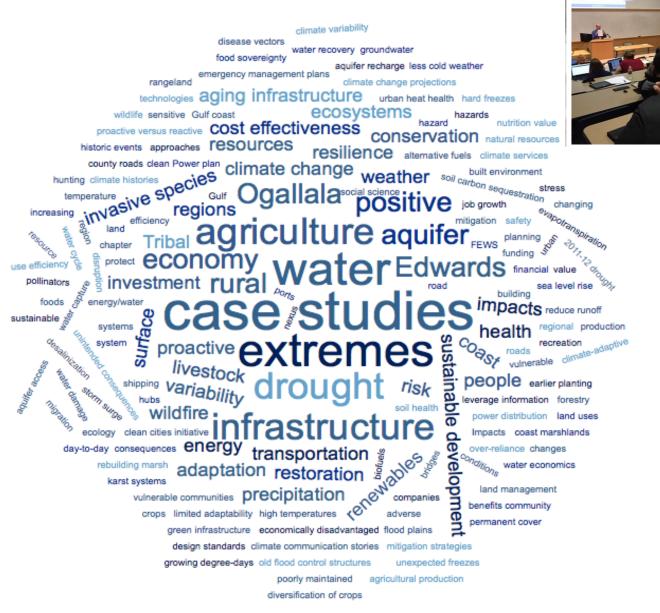






One of the most <u>vital</u>
<u>elements</u> in the entire report
were a series of stakeholder
listening sessions...

### STAKEHOLDER ENGAGEMENT





# STAKEHOLDER ENGAGEMENT

Chapter <u>Key Messages</u> 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.



Norman, OK

# 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 (<a href="https://www.globalchange.gov/engage">https://www.globalchange.gov/engage</a>)
  - 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)

