

Cities, Coasts, Climate and Context



Understanding Risk
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Mexico City

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Willie Sutton, 1934

Q: Why do you rob banks?

A: That's where the money is!

Why focus on cities and coasts?

That's where the people, economic activity, and power are!

Lights: people, economic activity



https://eoimages.gsfc.nasa.gov/images/imagerecords/55000/55167/earth_lights.gif

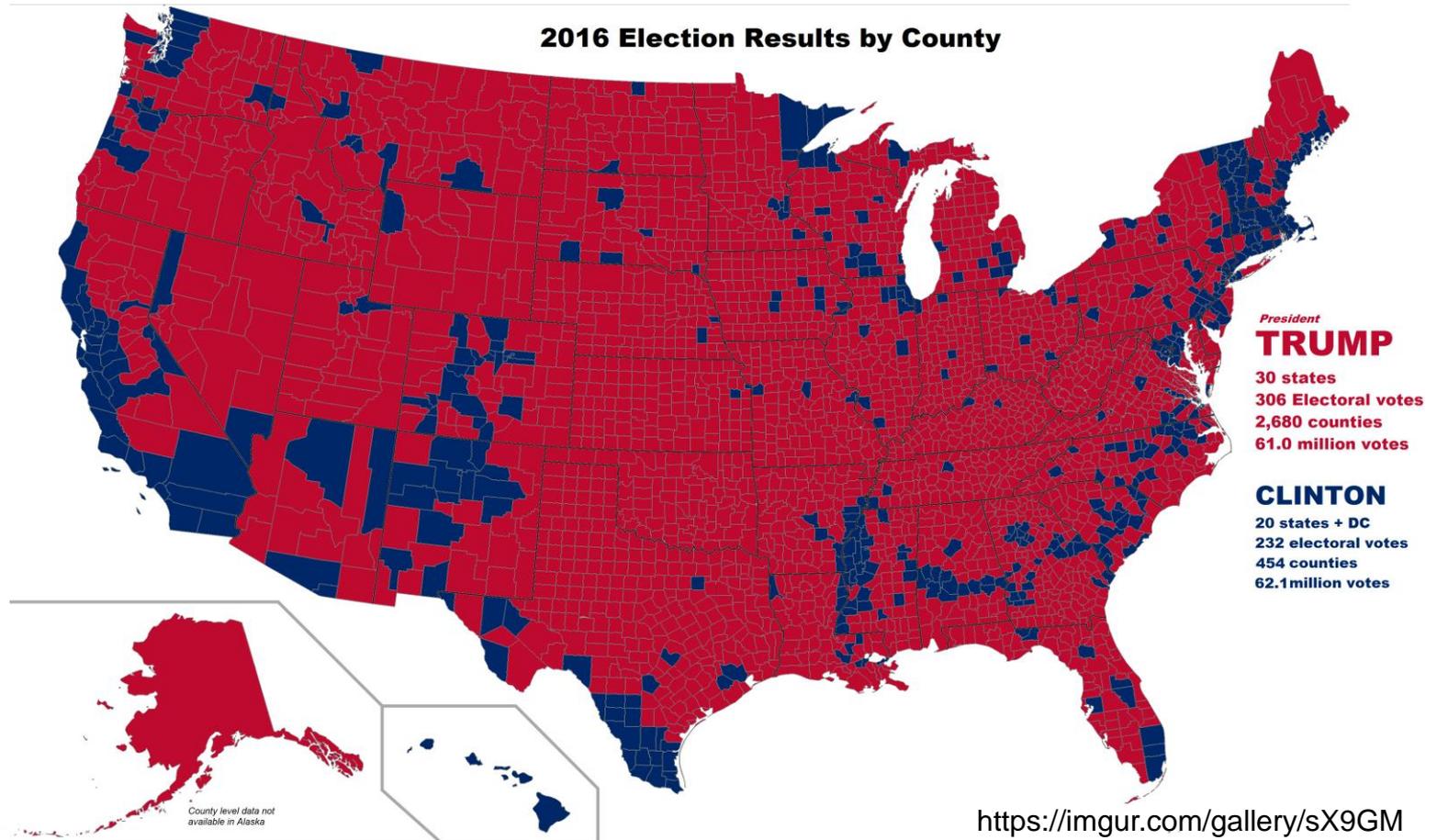




<https://earthobservatory.nasa.gov/Features/Lights/>



Political Power



Political Power

US Presidential Election 2016

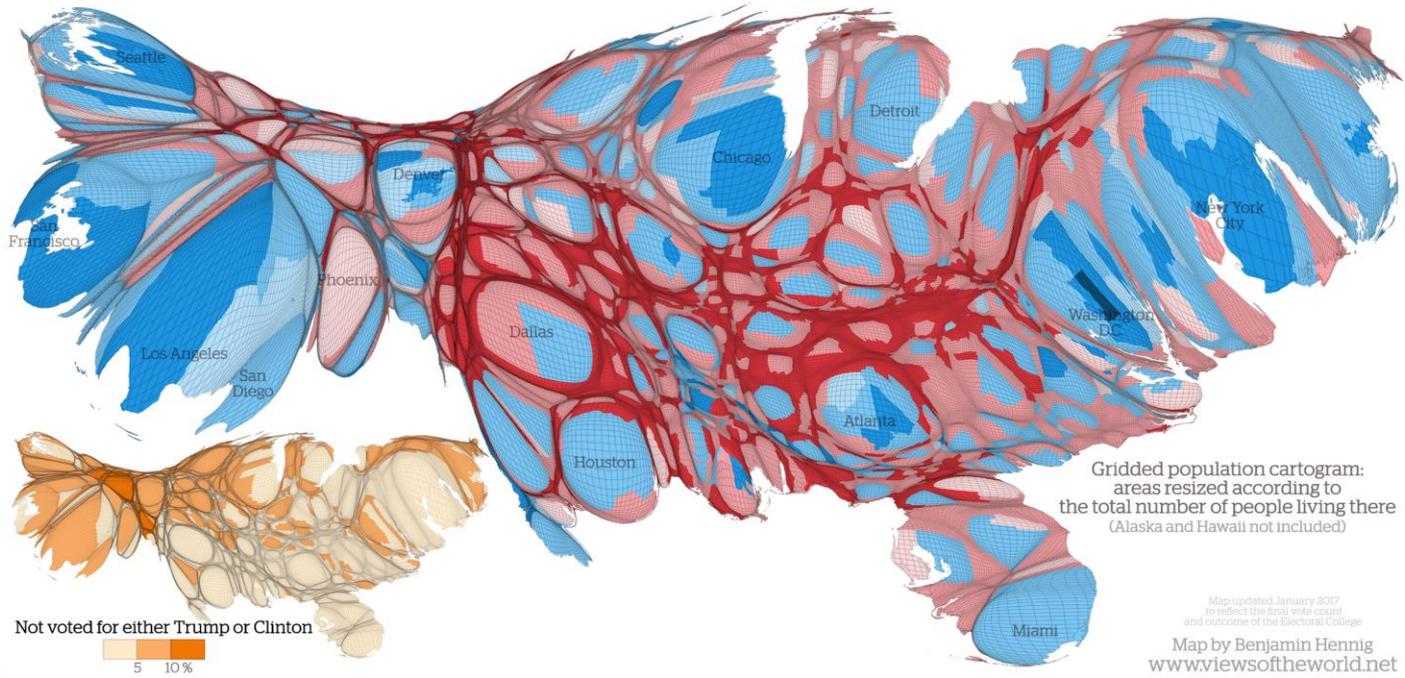
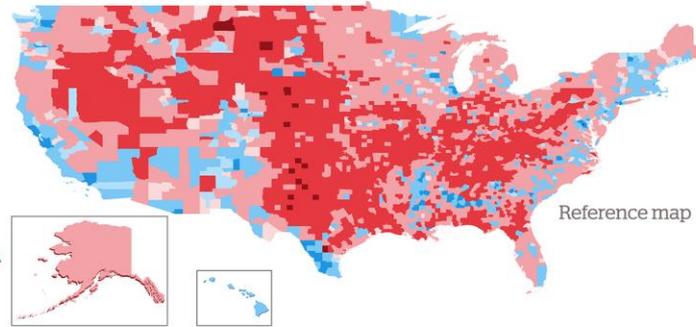
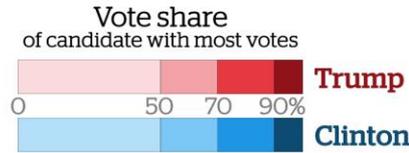
Results mapped at county level showing the candidate with the largest vote share in each area

Overall result:

Trump
62,979,636 votes (46.1%)
306 electoral votes
(received 304 in the Electoral College)

Clinton
65,844,610 votes (48.2%)
232 electoral votes
(received 227 in the Electoral College)

Other candidates
7,804,213 votes (5.7%)



Growth and opportunity

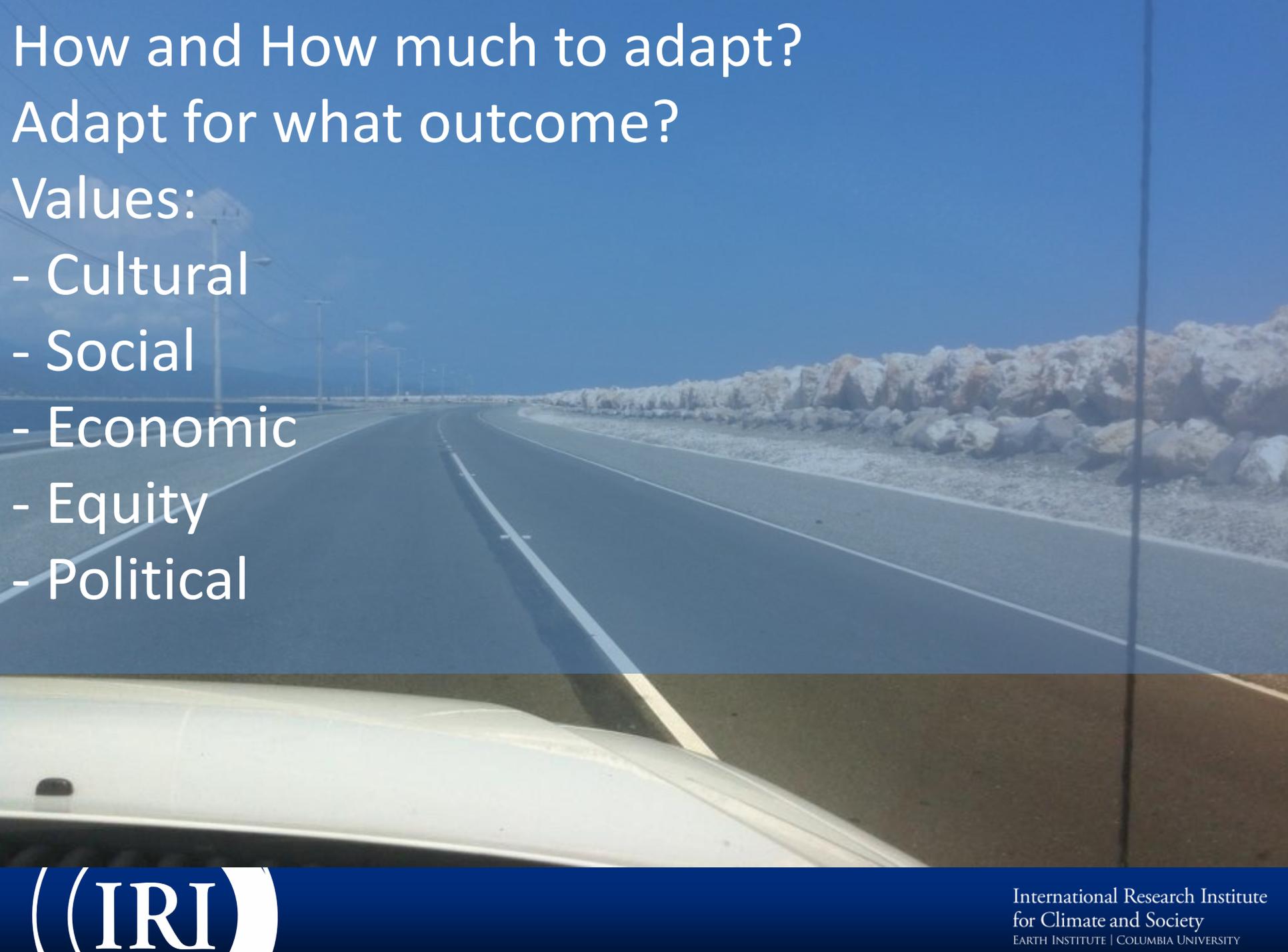
World City Populations 1950 - 2030

Circle areas proportional to populations in-

● 1950 ● 1990 ● 2015 ● 2030

Date: United Nations 2014
Design: D.A. Smith, CASA, UCL





How and How much to adapt?

Adapt for what outcome?

Values:

- Cultural
- Social
- Economic
- Equity
- Political

What are NAPs?

- **2010: COP 16 established a process to enable least developed country parties to formulate and implement national adaptation plans.**
- **2011: COP 17 objectives of NAPs:**
 - (a) Reduce vulnerability to the impacts of climate change, by building adaptive capacity and resilience.**
 - (b) Integrate climate change adaptation...into relevant new and existing policies, programs and activities... development planning processes and strategies.**

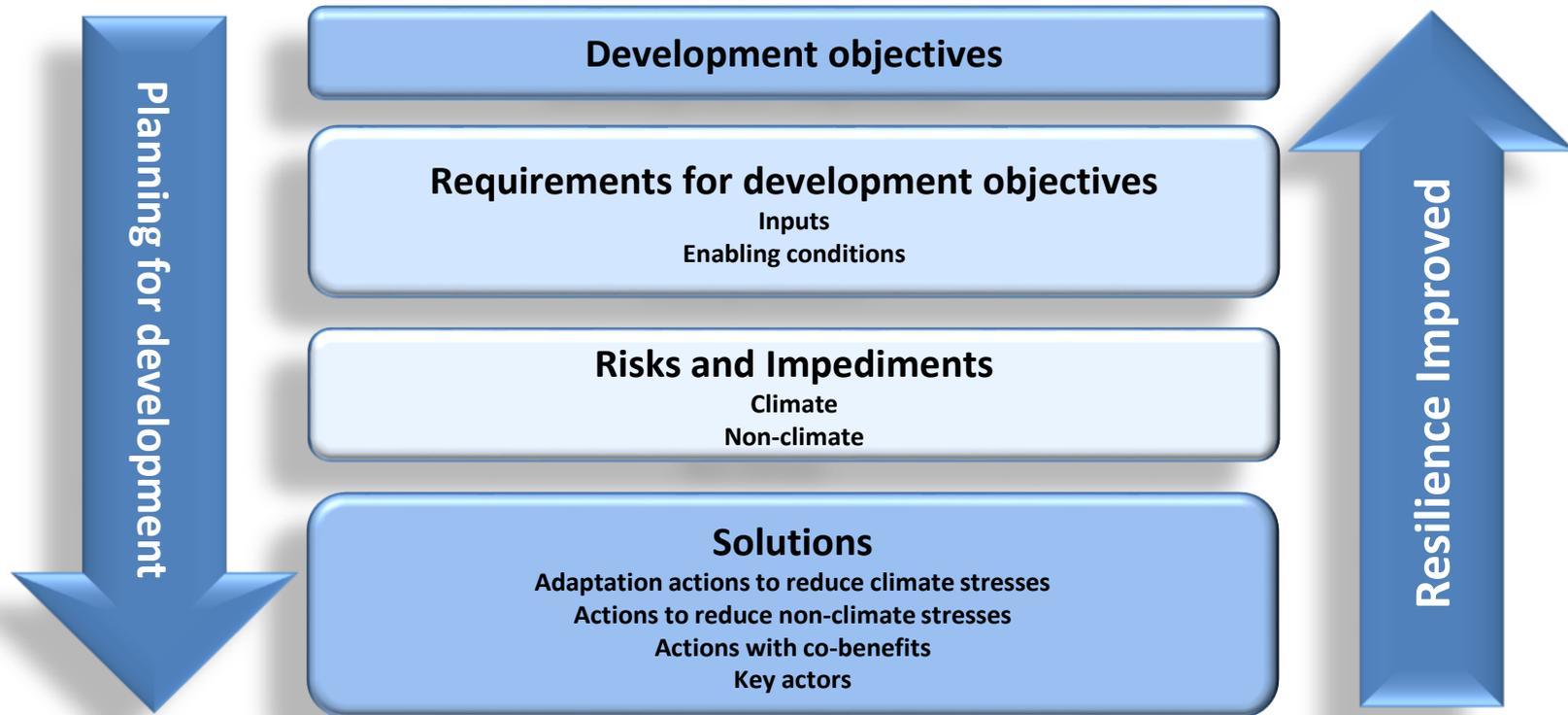


The Potential of NAPs

- Give countries a leadership role in donor investments
- Extend responsibility beyond environment ministry
- Emphasize that the process itself is crucial and valuable
- Identify priorities and link domestic programs to donor programs
- Address climate risks in development plans, and promote development despite climate change
- Look at multiple timescales



USAID'S MAINSTREAMING APPROACH



Challenges of Ownership and Support

“Weak v. powerful” ministries

How to create “ownership” of climate risk management?

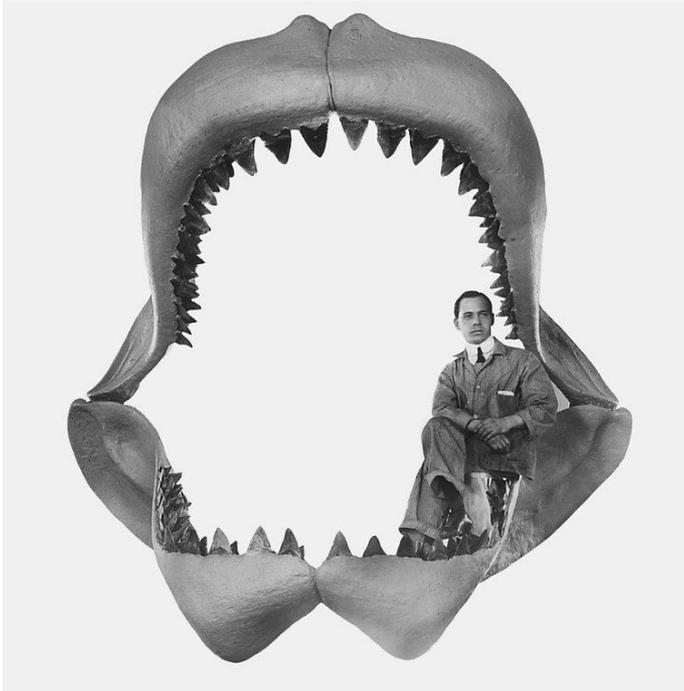
Three degrees of commitment

- **Expressed commitment:**
Verbal declarations of support for the issue of adaptation
- **Institutional commitment:**
Policies, organizational support
- **Budgetary commitment:**
resources dedicated to adaptation

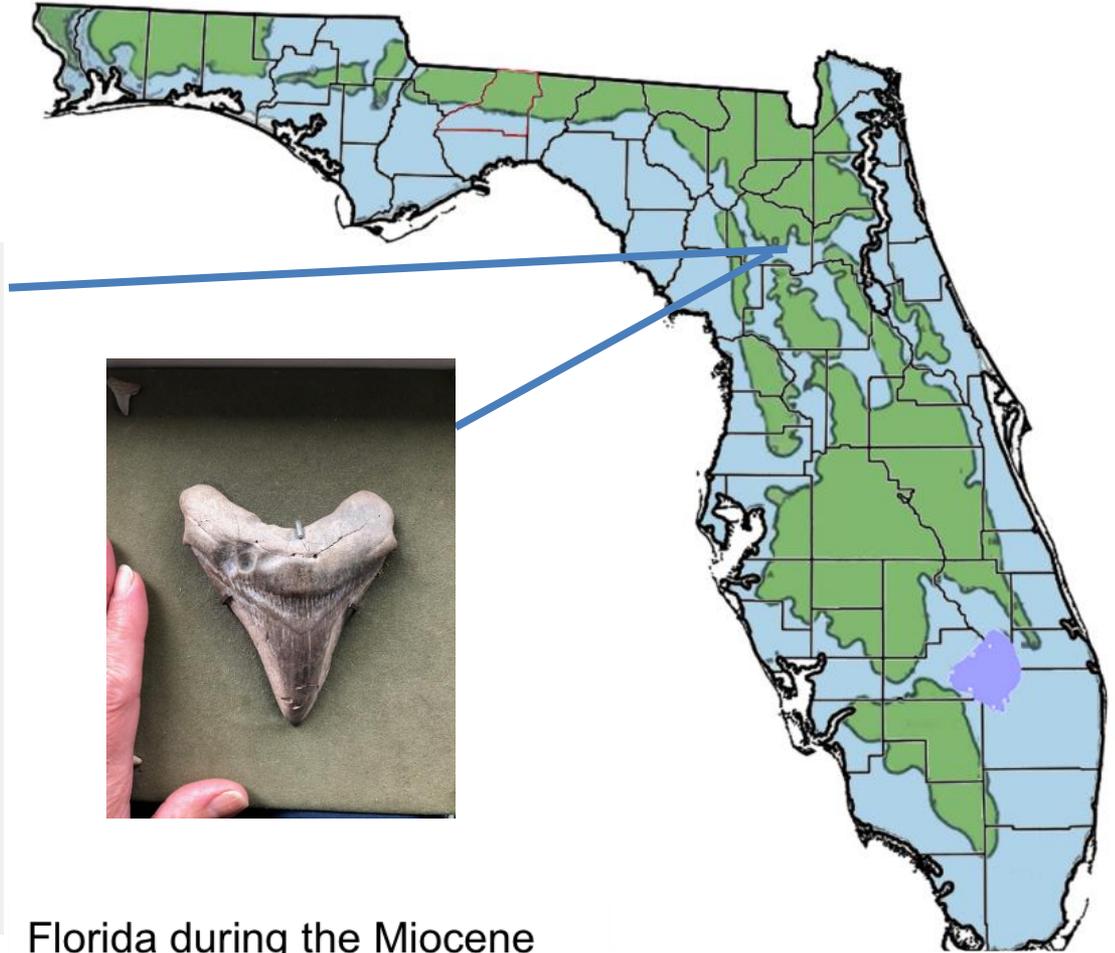


Min. Pickersgill, USAID Dir. Herbol, Min. Phillips

What future should you plan for?



<http://www.businessinsider.com/reconstruction-of-megalodon-sharks-mouth-2013-8>

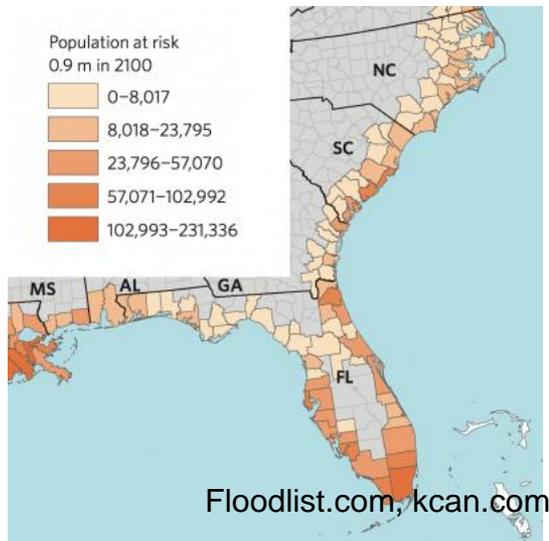
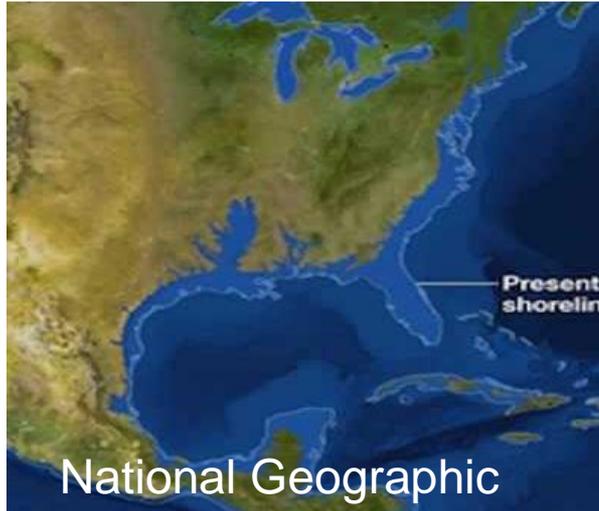


Florida during the Miocene

By Noles1984 - Own work, Public Domain,

<https://commons.wikimedia.org/w/index.php?curid=8619307>

What future should you plan for?



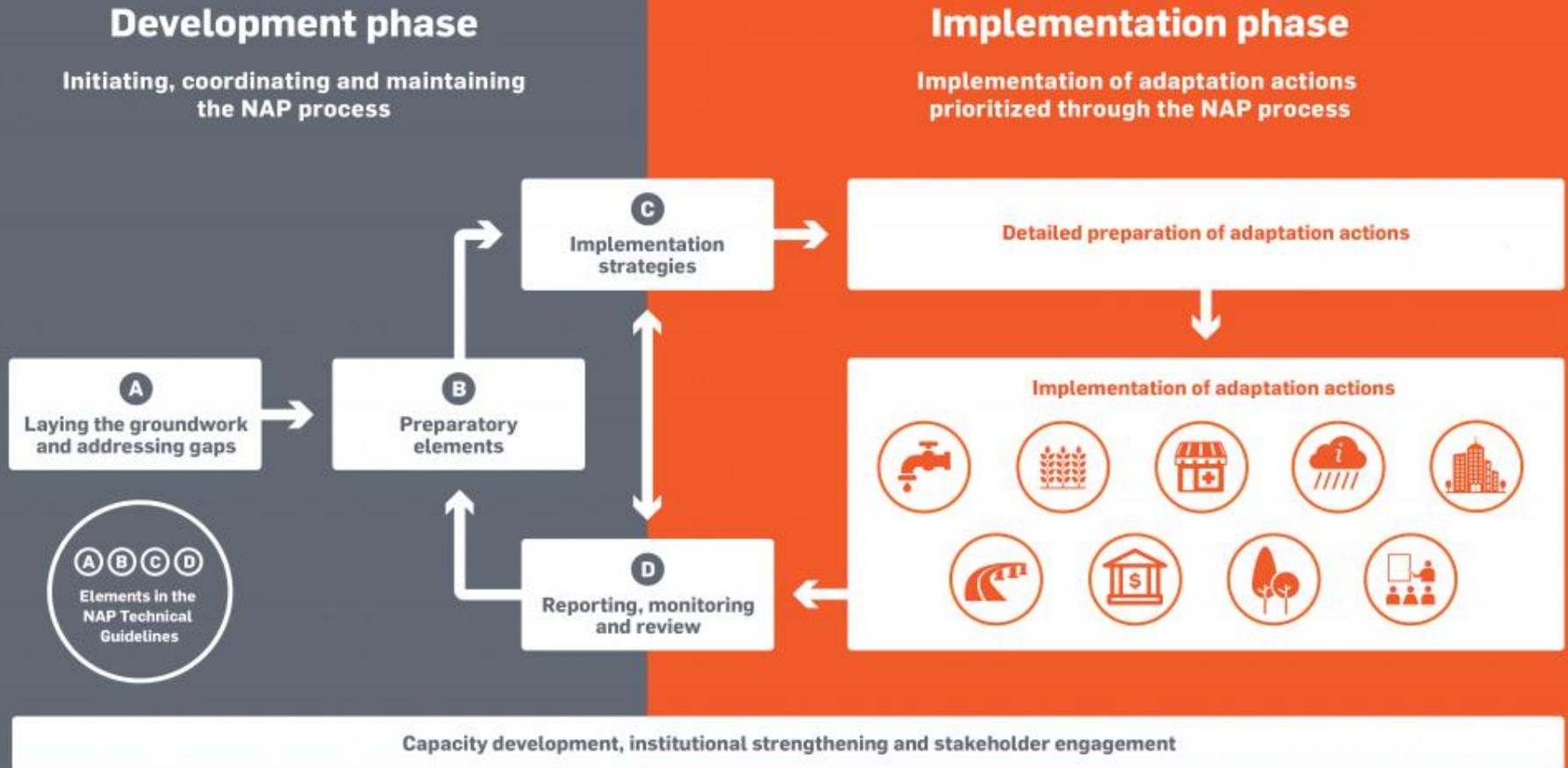
What timescale?

- **What decisions are being made?**
- **Who is making them?**
- **Can they decide differently?**
- **Are there resource constraints?**
- **How long will the decision last?**
- **Is the decision reversible? Revisable?**

How and How much to adapt?



NAPs and Finance: some resources



Thank you

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