

# Update on the Global Change Information System

NCADAC, Nov 17, 2011

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Reminder of purpose:

Overall problem: no single source of authoritative information for climate and global change

NCA needs: Transparent, accessible, timely, connected

Solution: integrated Global Change Information “System” with NCA as initial focus

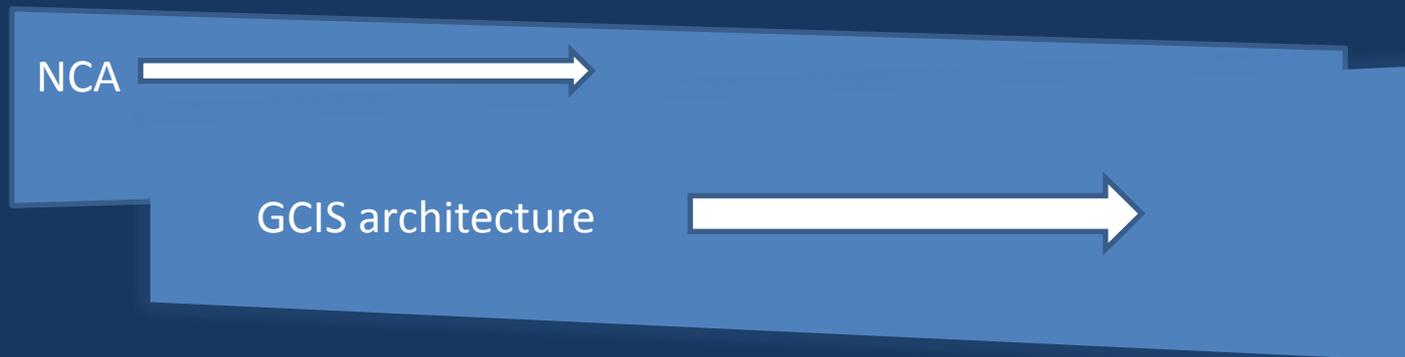
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In the last 2-3 months:

Modified governance approach to recognize two joint but identifiable workflows:

- 1) Broad-scale architecture (TBD – request to agencies)
- 2) NCA-specific deliverables (Waple)

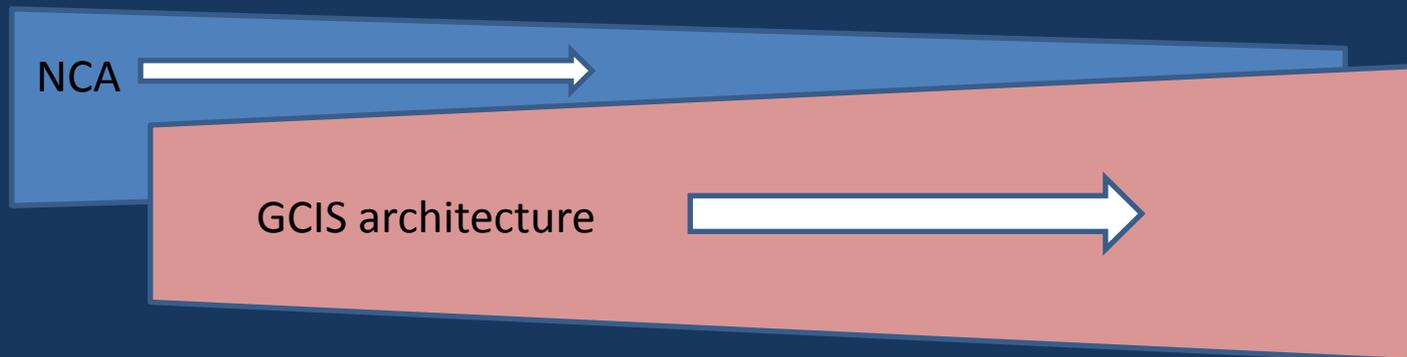
Overall lead: Tom Armstrong, OSTP



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## Broad Scale Data Access Architecture:

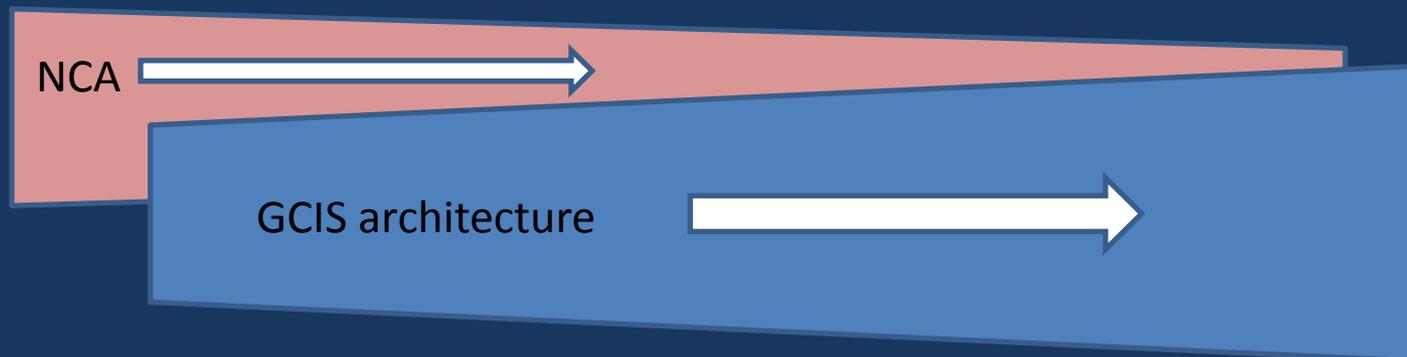
- 1) Must access multiple sources and types of information
- 2) Will build on existing efforts
- 3) Biggest challenges involve metadata – discoverability-to-quality assurance
- 4) Will involve guidance and input from US GEO, NEO, Federated Data groups
- 5) Many lessons to learn from data.gov, agencies, data organizations
  - a) Discussion (in NOAA) of a “Metadata Discovery Service” that will harvest information from the archives and deliver to front-facing web experience
- 6) Leadership decisions to be made
- 7) Resources?



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## National Climate Assessment:

- 1) Have drafted a working project plan with tasks and milestones, budget, personnel (agile project and will be modified)
- 2) Contract with external 'hosting' about to be signed
- 3) Will be designed so it can make use of data access architecture eventually
  - a) may not initially
- 4) WILL provide access to NCA data and source information....and supplemental info, and public comments etc.
- 5) Will incorporate collaborative workspaces and integrated information cascade



Public NCA "portal"

Draft full NCA

Author Team Sites

Author Team Sites

Technical input sites

Technical input sites

Technical input sites

Standardized base maps

Standard metadata on source material

Archivable

Archived, traceable info only

More Transient

# Update on the Global Change Information System – next steps

## 1) Deploy 2009 assessment prototype

- a) gather v. specific feedback
- b) engage advisory groups – NCADAC, Adaptation Science WG

## 2) Design of new GCIS site

- a) Decide primary audiences and scope/intent of user experience
- b) ....

## 3) Sustained assessment specific tasks on GCIS

all underway to various degrees, many opportunities to use existing efforts to build on – tech meeting planned in Dec:

- a) Web-based submission of technical input (web-form with metadata reqs)
- b) Submission, organization and retrieval of expert and public comments
- c) Workspace and document/content management for technical input, author chapter drafts, and full assessment products
- d) Publication process for full and final assessment product and site (includes traceable data and graphics)
- e) Maps (static and dynamic) and availability/documentation
- f) Indicators (dashboard feature)

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Questions