

IAI:
Developments in the US
and at the



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- A new Director for NSF, Arden Bement
- US Climate Change Science Program
- IAI within NSF
- International Group of Funding Agencies for Global Change Research

Arden Bement, Director NSF

- Formerly director of the National Institutes of Standards and Technology (NIST)
- Nuclear engineer
- Experience in academic community, industry and government

Arden Bement and the OAS Science Ministerial

- ***First Hemispheric Meeting of Ministers and High Officials in Science and Technology,***
- ***November, 2004***
- ***IAI Identified as a hemispheric initiative and received the support of the Ministers***

Global change

- US Global Change budget continued at \$1.9B/year for FY05
- NSF contribution to global change budget continues at \$210M
- NOAA contribution to global change budget increases to \$142M
- Synthesis and assessment an important addition to research in US global change program

FY05 GLOBAL CHANGE BUDGET REQUEST

		FY05 Request
Agriculture		71
NOAA		142
Energy		130
Health/Human Services		65
Geological Survey		29
Dept. of State		1
Transportation		3
USAID		6
EPA		21
NASA		321
NSF		210
Smithsonian		61
Science Total		1005
Space observations		950
Total		1955

US global change themes

- Atmospheric chemistry
- Climate change and variability
- Global carbon cycle
- Global water cycle
- Ecosystems
- Land use/land cover change
- Human contributions and responses

Syntheses and Assessments for Decision Support

- 21 syntheses/assessments on important decision-related topics
- Support the goals of the US climate change/global change program
- Developed and reviewed by the global change research community
- Completed in 2-4 years

Examples of science syntheses

- Temperature trends in the lower atmosphere —steps for understanding and reconciling differences (within 2 years)
- Past climate variability and change in the Arctic and at high latitudes (within 2 years)
- Re-analyses of historical climate data for key atmospheric features (2-4 years)

Examples of human dimensions assessments

- Uses and limitations of observations, data, forecasts, and other projections in decision support for selected sectors and regions (within 2 years)
- Best-practice approaches to characterize, communicate, and incorporate scientific uncertainty in decisionmaking (within 2 years)

- Details of all syntheses and assessments:
- <http://www.usgcrp.gov/usgcrp/Library/ocp2004-5/ocp2004-5-decisionsupport.htm#table1>

IAI within NSF

- IAI Budget protected during the budget cut of FY05
- Review of the proposal for CRN2 proceeding within NSF
- A major audit of NSF by the NSF Inspector General has been completed and Geosciences is in the final process of responding to the audit

International Group of Funding Agencies for Global Change Research (IGFA)



***International Group of
Funding Agencies for
Global Change Research***

- IGFA is focusing on the relationship between global change research and the development/aid community this year
 - Workshop on Global Change Research and Development, May 17-19, 2005, Stockholm Sweden
 - IAI EC Chair, Adrian Fernandez, will be a speaker
 - IAI CRN PI, Holm Thiessen, will be a speaker

- IGFA has identified the general area of the research-policy connection as a continuing theme for the future
- The IGFA annual meeting in October, 2005 in USA will formulate a continuing strategy of engagement for the development and policy sectors