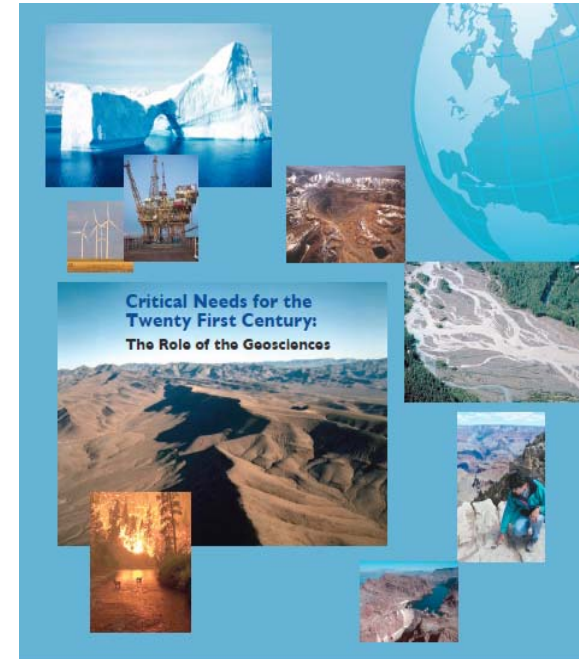


AGI Transition 2008 Document

- Seven critical issues
- Suggested policy
- 3 key actions
- **Geoscientists as resource to meet National needs**





Seven Critical Needs

- **Energy and Climate Change:** How do we secure stable energy supplies in an increasingly carbon-constrained world?
- **Water:** Will there be enough fresh water and where will it come from?
- **Waste Treatment and Disposal:** How will we reduce and handle waste and provide a healthy environment for all?
- **Natural Hazards:** How will we mitigate risk and provide a safer environment?
- **Infrastructure Modernization:** How will we develop and integrate new technology and modernize aging infrastructure?
- **Raw Materials:** How will we ensure reliable supplies when they are needed and where will they come from?
- **Geoscience Workforce and Education:** Who will do the work to understand Earth processes and meet demands for resources and resiliency? Who will educate the public and train the workforce?



Three Key Recommendations

- **Establish a Natural Resource Advisor within the White House Office of Science and Technology Policy to advise the President on stewardship of natural resources based on scientific understanding and technological advances. The advisor will highlight connections between the different resources; improve integration between research, development, technology and demand of all resources; and advise the government on policy, management and risk reduction – all in a global context.**
- **Invest in mapping, monitoring, assessments and state and federal surveys of natural resources. Ensure that data are integrated to provide the context for understanding climate change, supply and demand scenarios on global to local scales and risks from hazards.**
- **Invest in research and development to understand Earth processes because sustainable consumption and conservation of resources, enhancement of environmental quality and resilience from risk depend on living *with* our dynamic planet.**



Audience for Transition Document

- Presidential candidates
- Members/candidates for Congress
- Federal agency leadership and transition teams (OSTP, OMB, DOI, DOC, DOE, NSF, NASA ...)
- Geoscience community
- Science and technology community