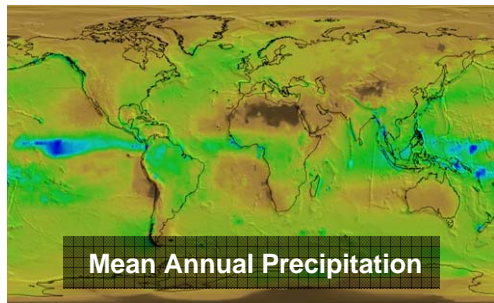
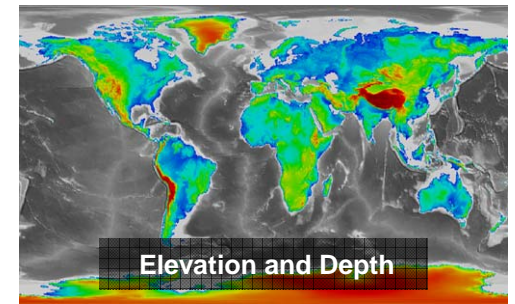
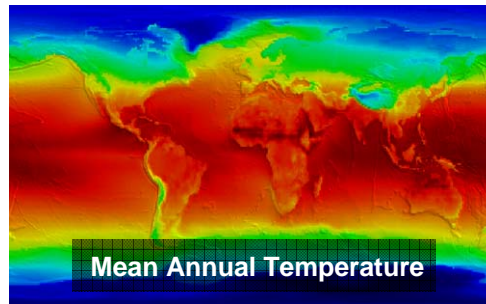


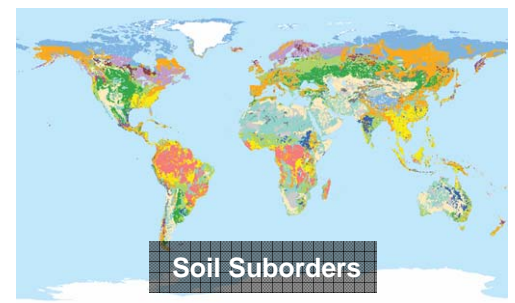
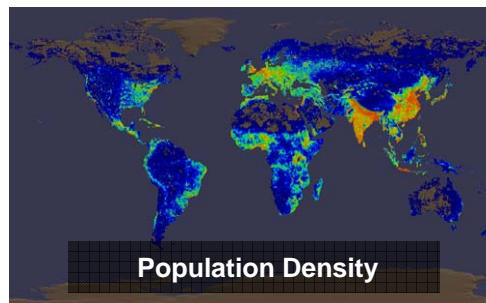
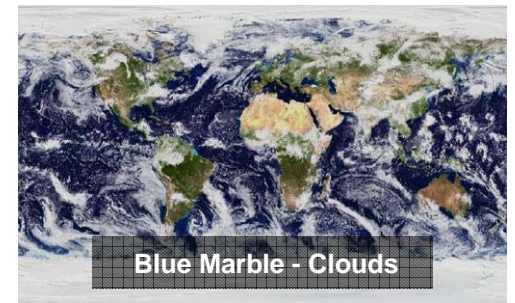
MEDEA

MEDEA Program Overview

Key MEDEA Program Finding



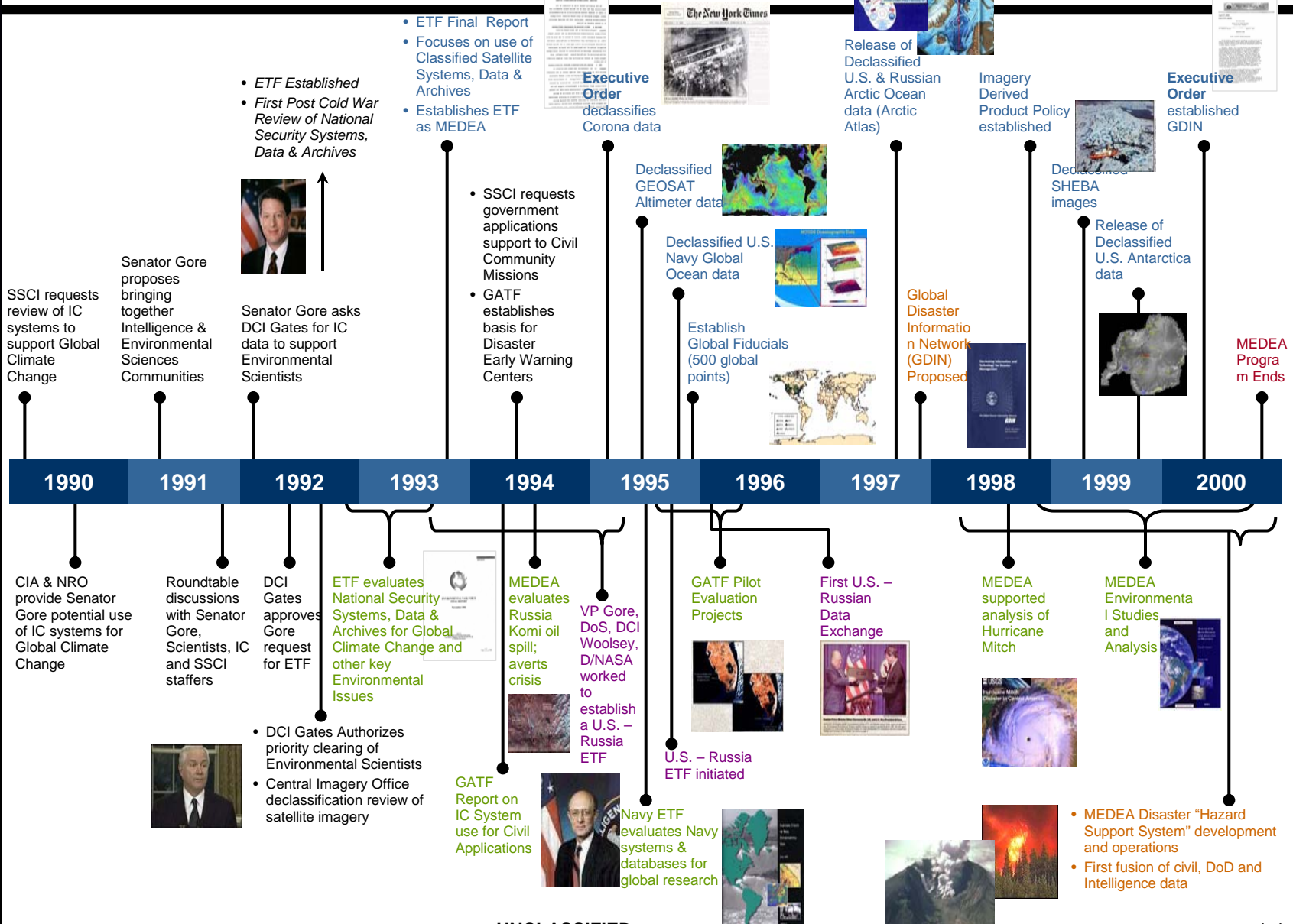
National Security Systems *acting in concert* with Civil and Commercial Remote Sensing Systems and *in situ* Measurements *significantly improve* collection of critical parameters necessary to *understand and manage* **Global Climate Change** and other **Key Environmental Issues**



What was the MEDEA Program?

- First post Cold War review of National Security Systems, Data and Archives for use in Global Climate Change, Environmental Research and Civil Applications by cleared Environmental Scientists
- Prominent cleared Scientists advised Intelligence Community and White House on Environmental Issues
- MEDEA Scientists conducted Environmental Intelligence Analysis utilizing National Security Assets
- Overlapping / inter-related Task Force studies
 - **Environmental Task Force (ETF) – circa 1992 – 1993**
 - Reviewed classified Intelligence and DoD systems, Data, and Archives for Global Climate Change and other key Environmental Issues
 - **MEDEA (Institutionalized ETF) – circa 1994 – 2000**
 - Conducted Environmental Intelligence analysis, continued review of National Security Assets for applicability to Environmental Issues
 - **Government Applications Task Force (GATF) – circa 1994 – 1996**
 - ETF effort focusing on Civil Government Agency needs
 - **Navy Environmental Task Force (Navy ETF) – circa 1995 – 1997**
 - Comprehensive review of Navy ocean data holdings applicable to Global Climate Change and other key Environmental Issues
 - **Russian Environmental Task Force (Russian ETF) – circa 1995 – 2000**
 - Cooperative effort between U.S. and Russia on environmental issues using Archived Data from their mutual National Security Systems
 - **Global Disaster Task Force – circa 1993 – 2000**
 - Established framework for utilization of Classified and Civil assets for National Disaster Early Warning and Monitoring
 - Established the Hazard Support System fusing Civil, DoD and Intelligence data for warning of fires and volcanic activity

MEDEA Program Timeline



MEDEA Program Key Achievements

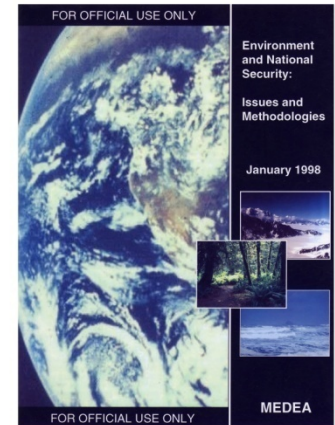
First review of National Security Systems, Data and Archives for Global Climate Change and other key environmental issues

- Natural Disasters, Oceanography, Geologic Processes, Ecology, Forestry, Arctic and Antarctic Processes, Desertification, and Land use



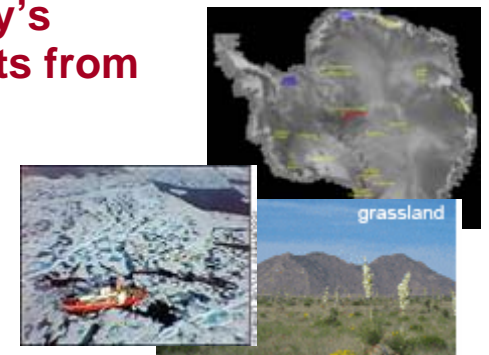
Presidential Executive Order: Corona Declassification, 1995

- Release of Declassified Imagery archives
 - CORONA/ARGON/LANDYARD (1960-1972) providing scientists a historical record of the Earth's Surface



President Clinton announced the Intelligence Community's Declassification and Release of Imagery Derived Products from Current Imagery Archives for Environment Issues, 1999

- SHEBA, 59 Images
- Antarctica, 7 Images
- Jornada Basin Long Term Ecological Research Site, 40 Images

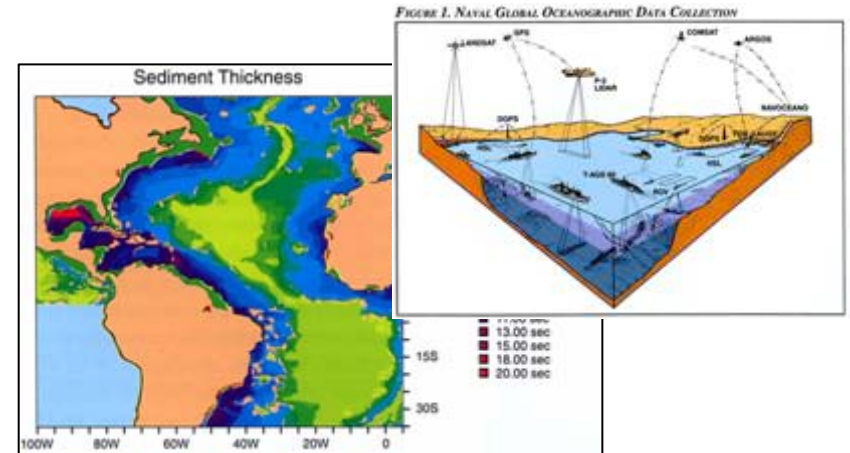
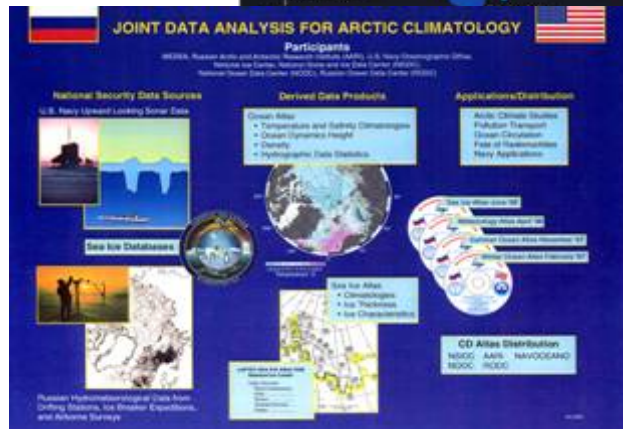
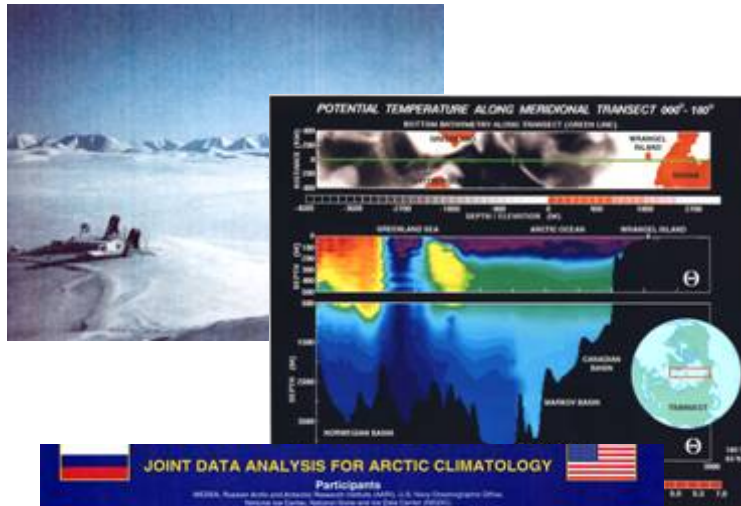


MEDEA

MEDEA Program Key Achievements

Release of U.S. Navy Oceanographic and Geodetic Data Holdings

- Treasure trove of Historical Data to Support Global Climate Models



First open cooperation between U.S. and Russian Intelligence and Defense Services for purpose of working on joint Environmental Projects

- First exchange between Russia and the U.S. of Unclassified Derived Products from our Mutual Classified Satellite Systems
- Cooperation resulted in release of Russian Navy and U.S. Navy formerly restricted oceanographic data from Arctic Ocean which tripled amount of data to scientific community

MEDEA

MEDEA Program Key Achievements

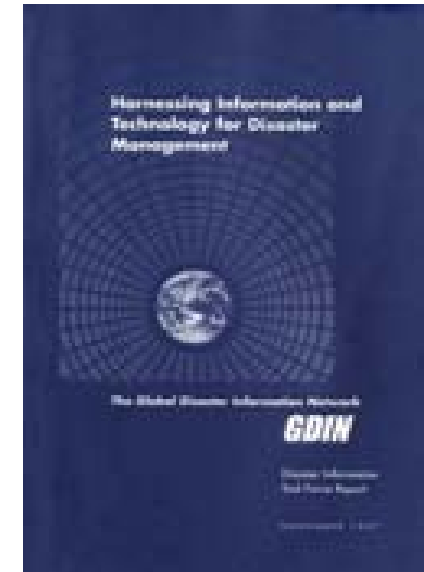
First integrated use of Classified and Civil remote sensing collection systems to Manage Natural Disasters

- Established Hazard Support System at U.S. Geological Survey (USGS) facility for early warning of fires and volcanic activity



Presidential Executive Order: Global Disaster Information Network, 2000

- Established GDIN Concept



MEDEA Program Key Achievements

MEDEA drives Intelligence Community's Environmental Analysis

– Established DCI Environmental Center

September 2000
Detection and Suppression of Wildland Fires: The Hazard Support System

DETECTION AND SUPPRESSION OF WILDLAND FIRES: THE HAZARD SUPPORT SYSTEM

September 2000

EXECUTIVE SUMMARY

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India's Environmental Challenges

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