

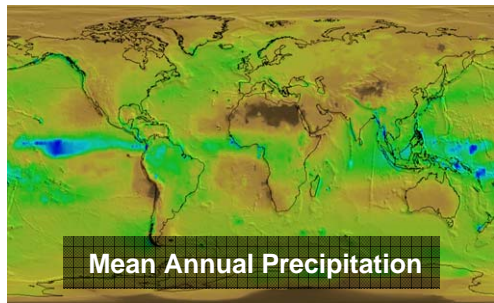
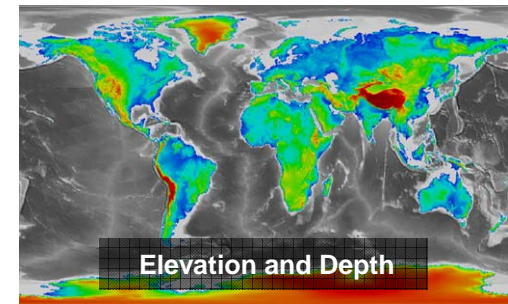
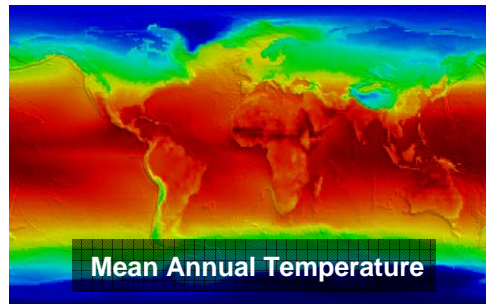
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# MEDEA Program Overview

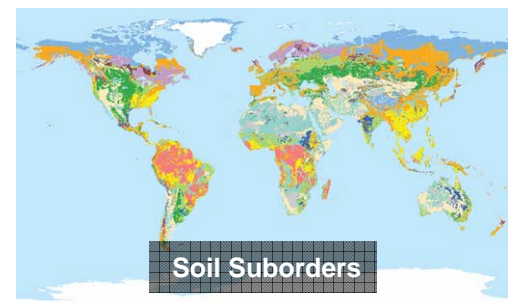
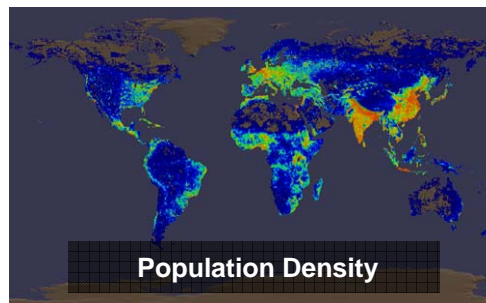
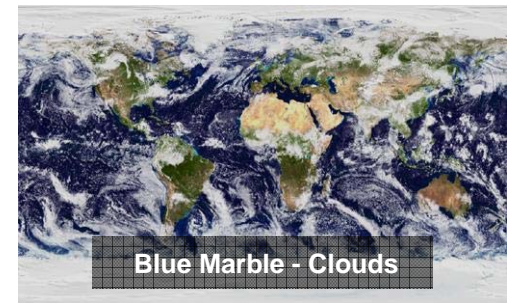
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# Key MEDEA Program Finding



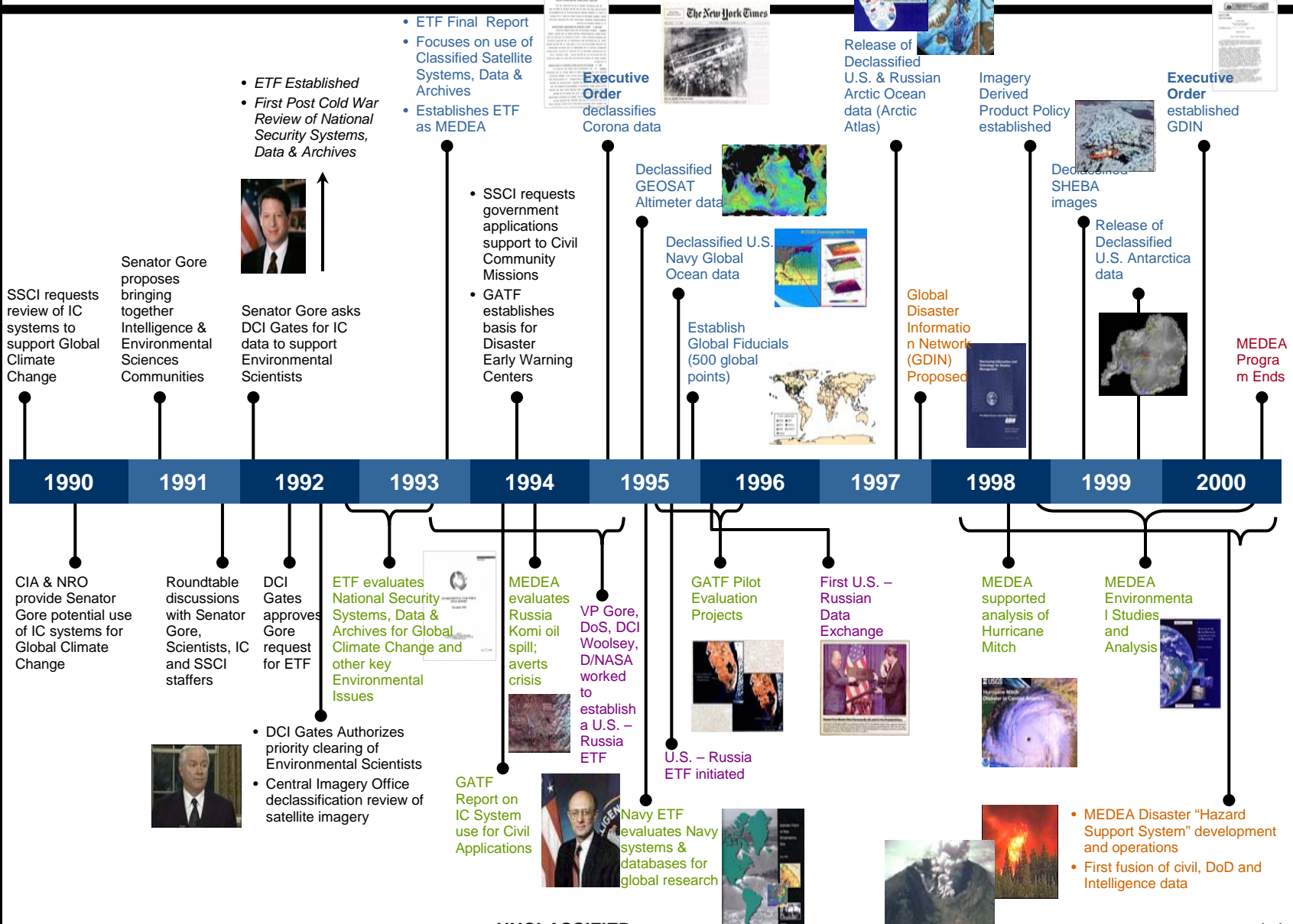
National Security Systems acting in concert with Civil and Commercial Remote Sensing Systems and *in situ* Measurements significantly improve collection of critical parameters necessary to understand and manage **Global Climate Change** and other **Key Environmental Issues**



# 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

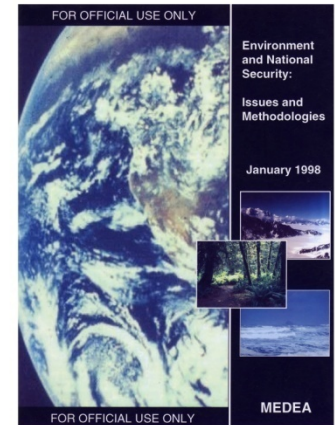
## First review of National Security Systems, Data and Archives for Global Climate Change and other key environmental issues

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



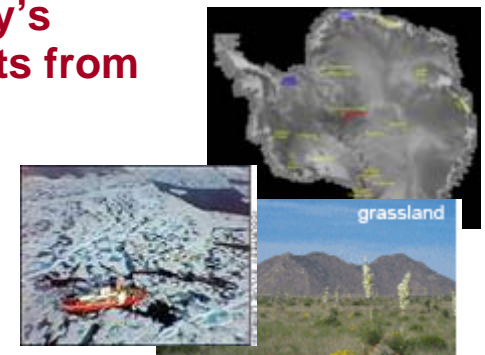
## Presidential Executive Order: Corona Declassification, 1995

- 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

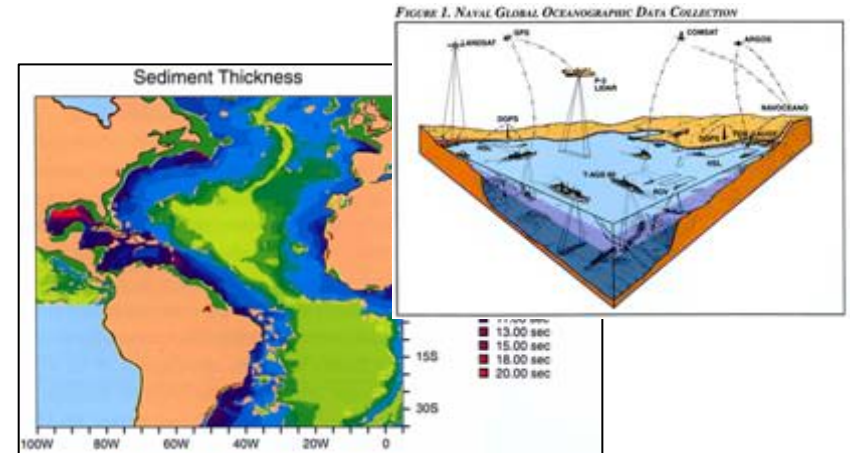
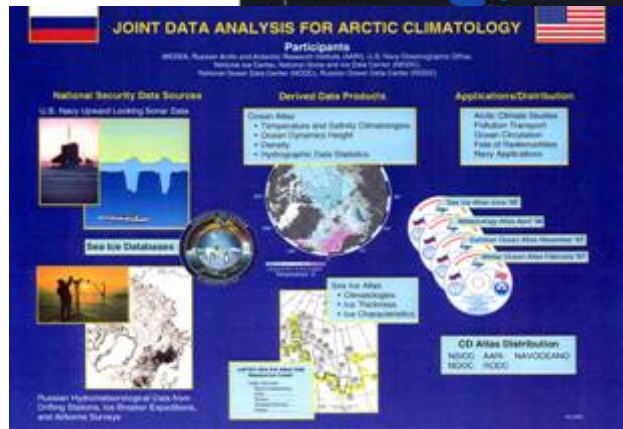
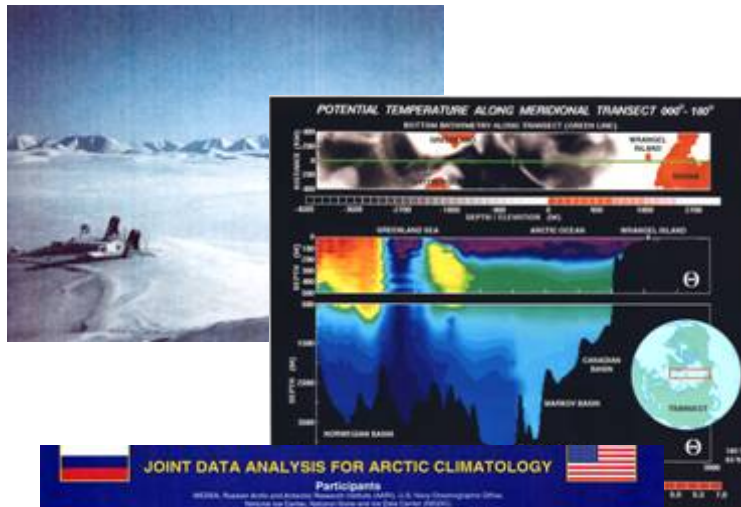


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# MEDEA Program Key Achievements

## 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

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# MEDEA Program Key Achievements

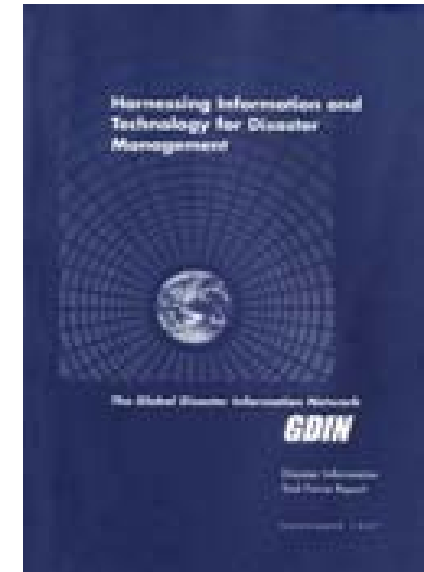
## First integrated use of Classified and Civil remote sensing collection systems to Manage Natural Disasters

- 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

For Official Use Only

India's Environmental Challenges

**March 2000**  
*India's Environmental Challenges*

DCI Environmental Center Environmental Report Series

March 2000

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UNCLASSIFIED/SENSITIVE BUT UNCLASSIFIED

**June 2000**  
*China and the Kyoto Protocol: Emissions Trading and the Clean Development Mechanism*

CHINA AND THE KYOTO PROTOCOL: EMISSIONS TRADING AND THE CLEAN DEVELOPMENT MECHANISM

June 2000

PRELIMINARY

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UNCLASSIFIED/SENSITIVE BUT UNCLASSIFIED

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**April 2000**  
*National Security, Intelligence, and Environment: The Roles of MEDEA*

NATIONAL SECURITY, INTELLIGENCE, AND ENVIRONMENT: The Roles of MEDEA

April 2000

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April 2000