



USGS EROS Center

“40 Years of Service to Our Planet”



U.S. Department of the Interior
U.S. Geological Survey

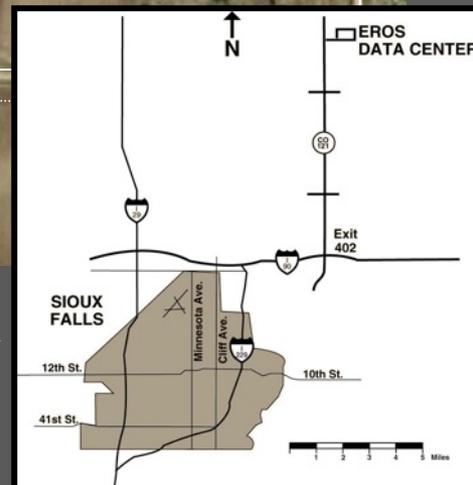
EROS Center



EROS Campus



2004 aerial imagery



AERONET: Aerosol Robotic network
SCAN: Soil Climate Analysis Network - USDA
ANSS: Advanced National Seismic Station - USGS
CORS/GSOS: Constantly Operating Reference Station / GPS Surface Observing System
RCS: Reference Climate Station - Canada - Future Site
CRN: US Climate Reference Network
SURFRAD: Surface Radiation Network



“Project EROS”

“...the time is now right and urgent to apply space technology towards the solution of many pressing natural resource problems being compounded by population and industrial growth.”

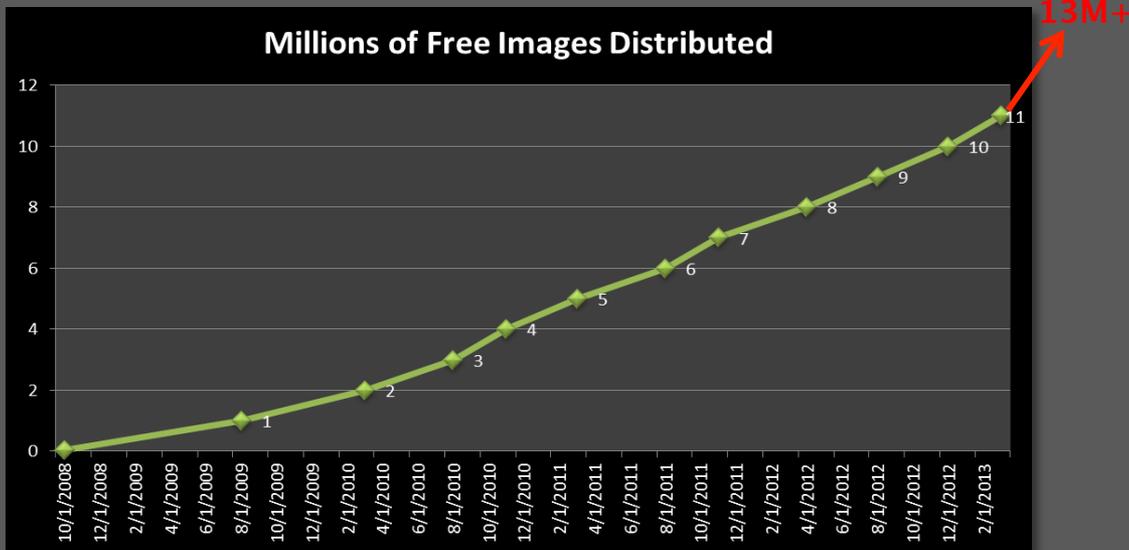
Secretary of the Interior
Stewart L. Udall -1966

Landsat – the longest and most comprehensive record of the Earth’s condition ever assembled.

The EROS Landsat archive contains nearly **4 million images from 1972 to the present** – and spanning the globe.

All Landsat images are **available to anyone at no cost.**

Each year nearly 3 million images are distributed to users in over 186 nations and territories.



EROS Mission

... contributing to
the understanding
of a changing Earth.

Our Vision is to be:

... the **world's primary** source of remotely sensed land images of the Earth;

... **authoritative providers** of land change science information and knowledge;

... **leaders in understanding** how changes in land use, cover, and condition affect people and nature.





In order to:

... **monitor** relevant land change information and knowledge;

... **assess** the trends and consequences of land change; and

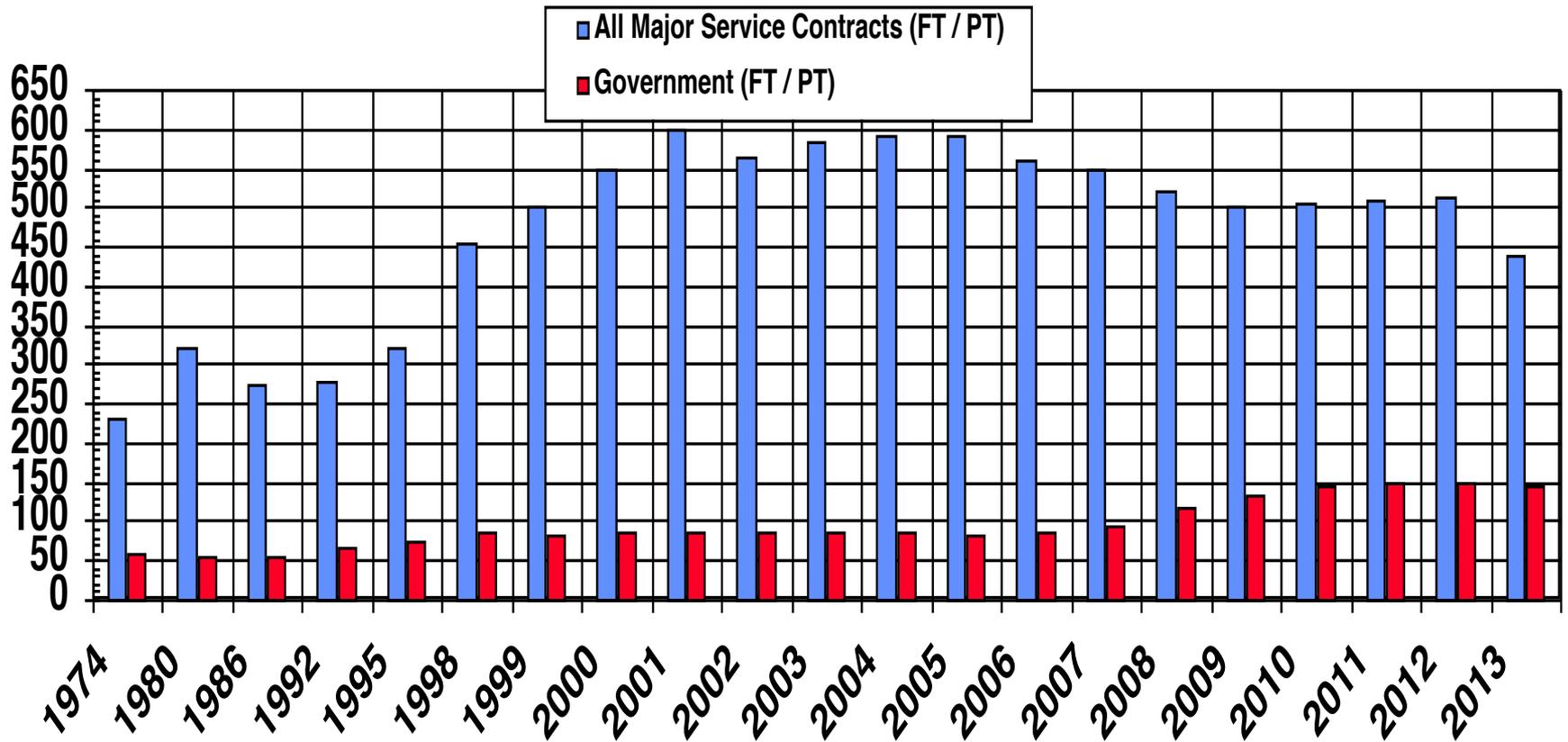
... **provide** services and support on the use and understanding of land change monitoring products and **future conditions**.

The EROS Center is...

- **A USGS science center** and one of the world's largest land remote sensing centers
- **Landsat satellite mission** ground segment – developer and operator
- National Satellite Land Remote Sensing Data Archive (**NSLRSDA**)
- NASA Land Processes Distributed Active Archive Center (**LPDAAC**)
- Member of the **International Charter** for Major Disasters and Space
- United Nations Environment Programme Global Resources Information Databases (**UNEP GRID**) Office host
- Co-leader of the USGS–South Dakota State University Geographic Information Sciences Center of Excellence (**GIScCE**)



USGS EROS Center – Workforce History



Current EROS Staff

- 143 Government Positions
 - 466 Contract Positions
- } 609 employees
- Education – Post-Secondary Degrees – 75% of the workforce
 - PhDs 11%
 - Masters 37%
 - Bachelors 39%
 - Associates 13%

- **Examples of the Skill Sets at EROS**

Remote Sensing science
Application development
Systems engineering
Systems development
Information science
Budget and finance

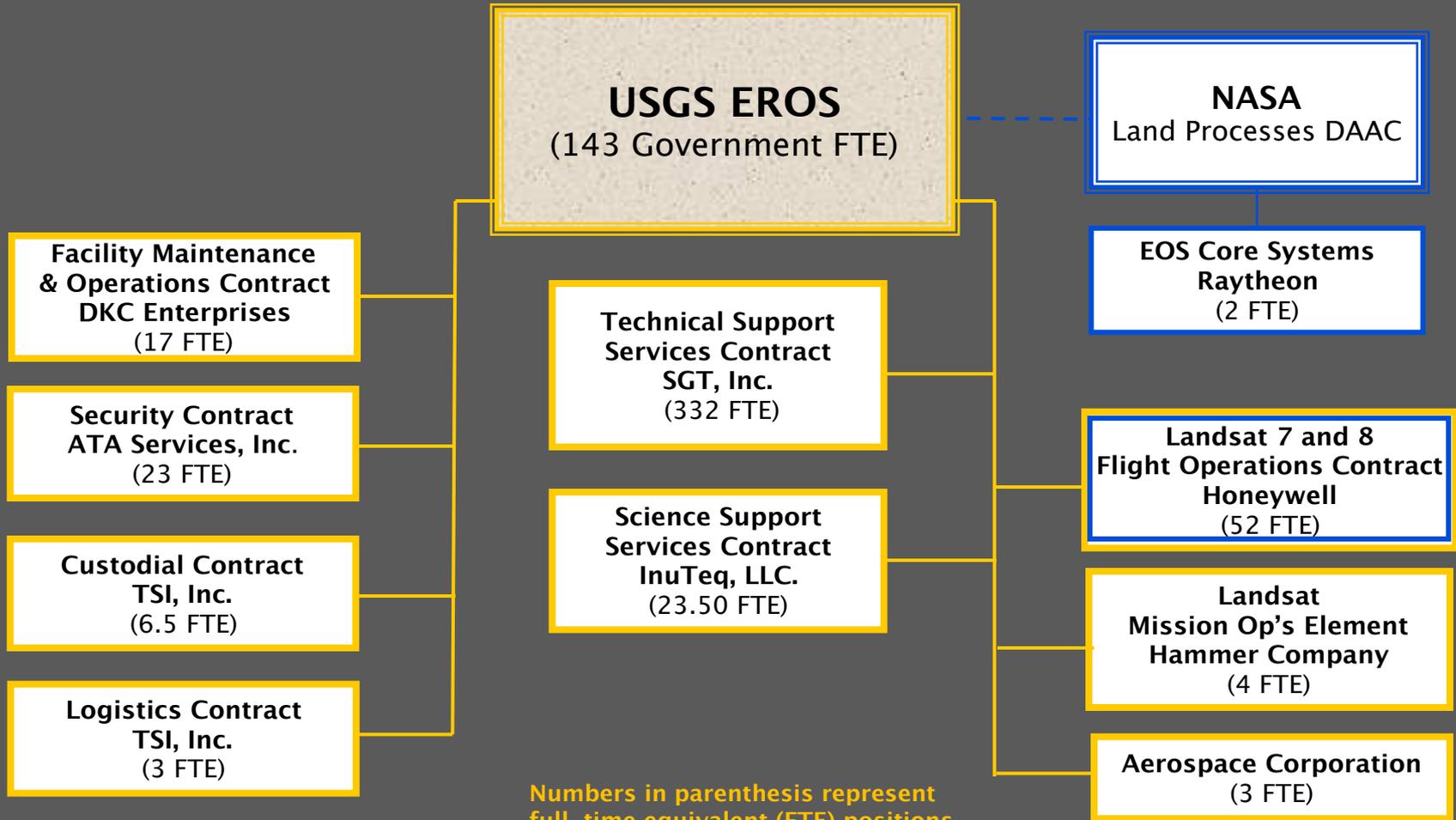
Environmental modeling
Product/Information development
Satellite systems operation and management
Archive management/preservation
Network architecture, design and operations
Facility operations and maintenance

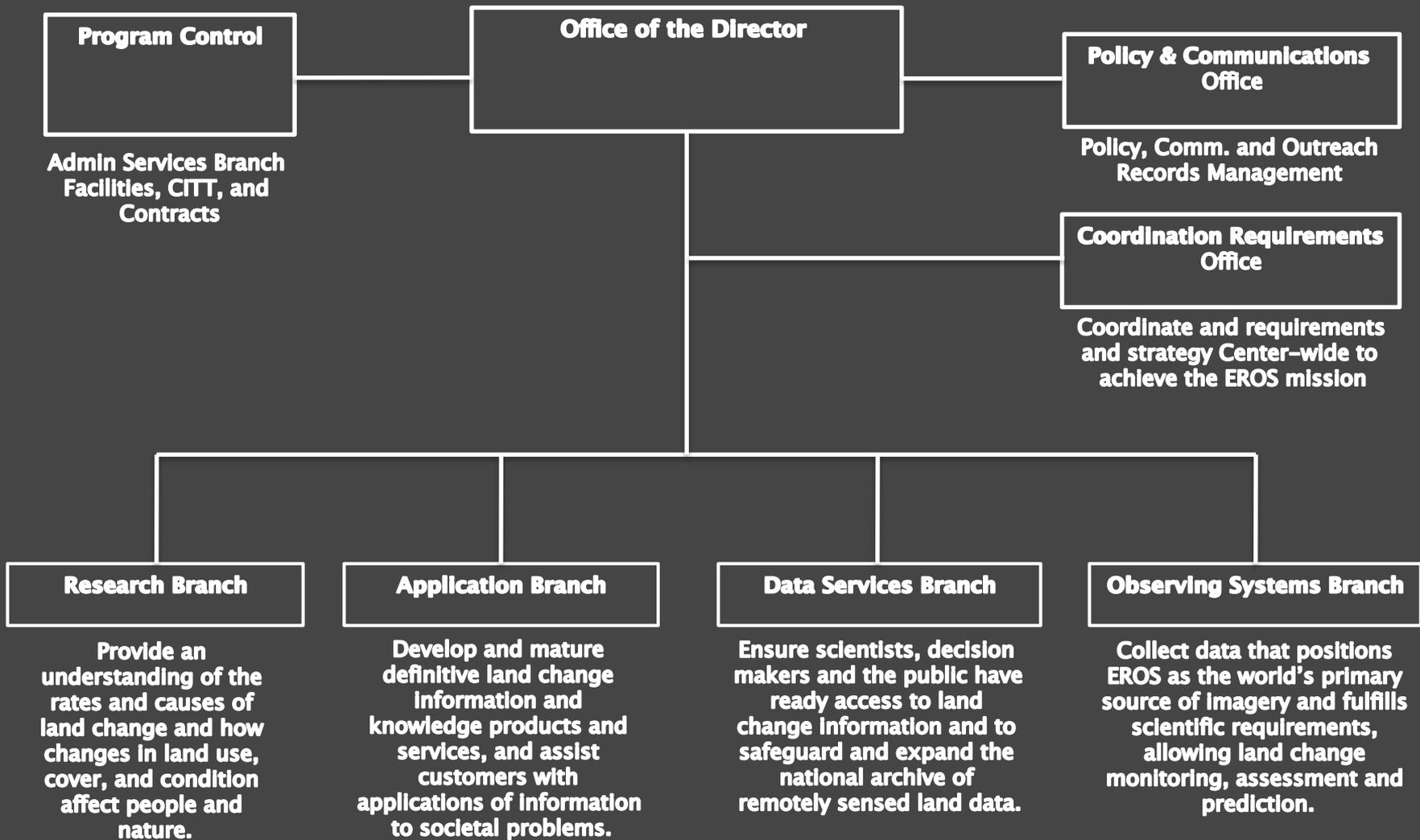
We are successful in recruiting nationwide!



Major Government Service Contracts

Partnerships ensuring mission success





Institutional Capability for Land Change Monitoring, Assessment, and Prediction

Key EROS Mission Functions...

- **Data Acquisition, Archiving and Access:** Expand and safeguard the archive and ensure that anyone, anywhere and at anytime have ready access to land information
- **Development and Operations of Ground Systems:** Satellite mission ground system designer, developer and operator.
- **Science:** Conduct research and develop applications and promote knowledge and use of land information to better understand the Earth

