GIS and NativeView © Sinte Gleska University



James Rattling Leaf

Western Region Space Grant Meeting

September 26, 2003



Sinte Gleska (Spotted Tail)

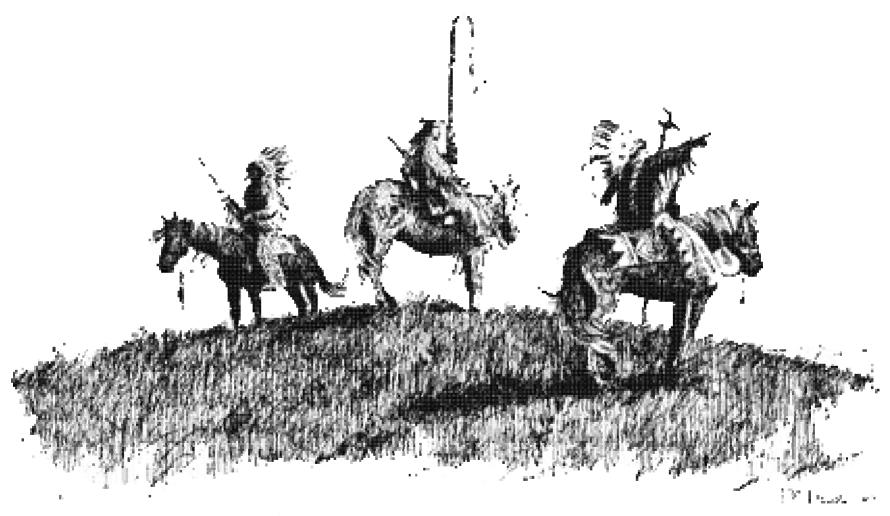
Strengthening the **Sicangu Lakota Oyate** through Education





Sinte Gleska University

Sicangu Policy Institute



Native GIS Application cir.1890

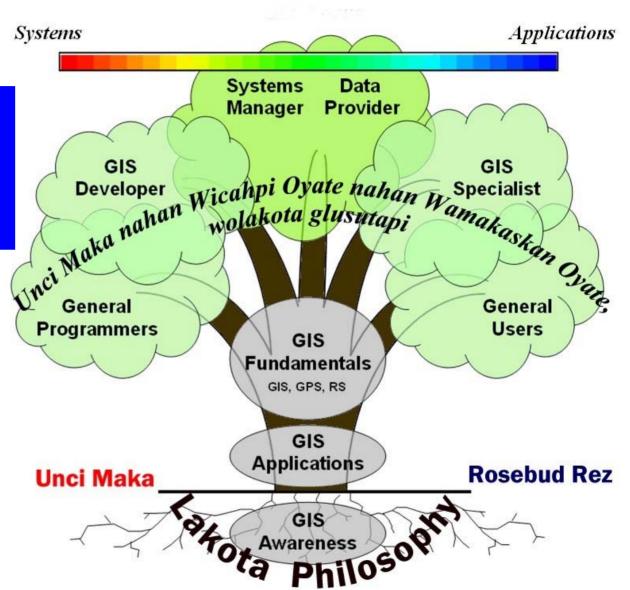


Sinte Gleska University

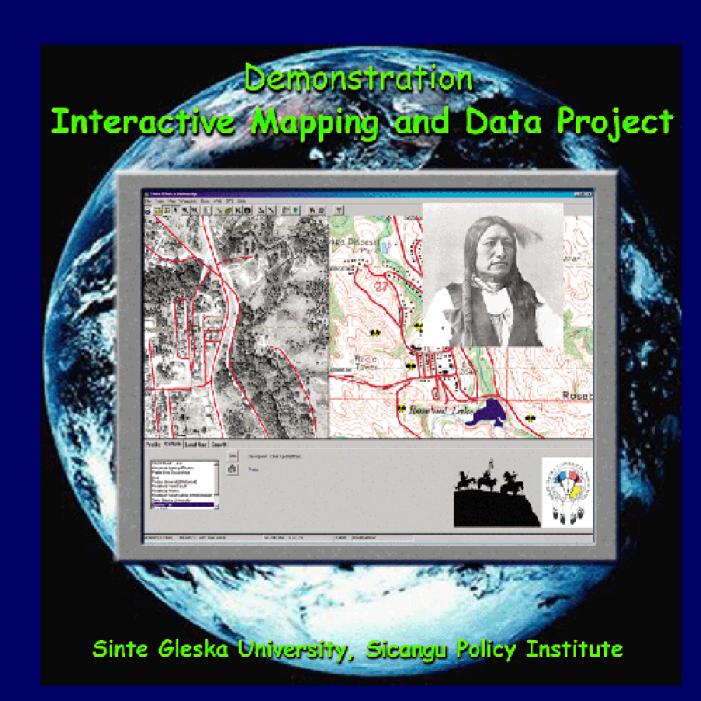
Sicangu Policy Institute

Partnerships for Innovation Program





Creating awareness for all ages of Learners on Rosebud



Rez Mapper

A Geo-spatial/temporal Information System with a Vision:

An ability to integrate, view and apply USGS Topo Mops, Satellite Imag Aerial Photographs, Digital Ortho Quade with Lakota Data

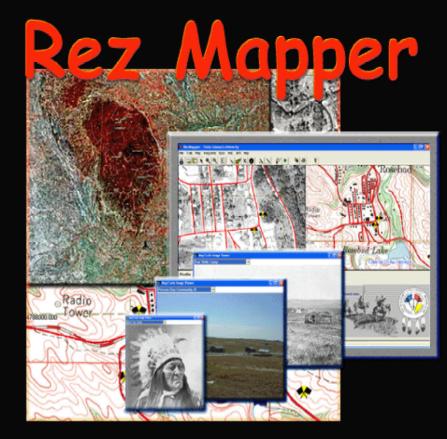
for:

Lakota Cultural Resource Management Reservation Land Use Determination Community Growth and planning

"Unci Muka nahan Wichapi Oyate nahan Wamakaskan Oyate wolakota glusutapi."



wolakota glusutapi." Sinte Gleska University, Sicangu Policy Institute



Interactive Community Mapping Program for the Rosebud Lakota Nation

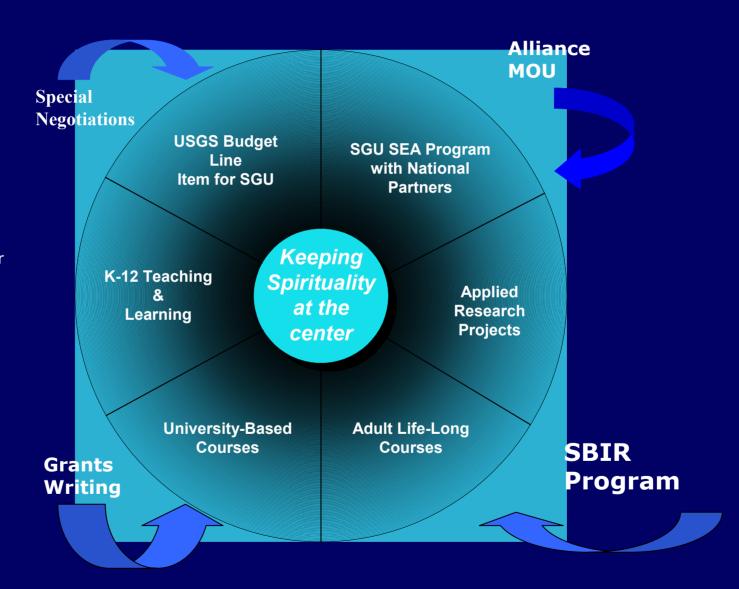
"Unci Maka nahan Wichapi Oyate nahan Wamakaskan Oyate



GOALS:

- Create long term, sustainable relationships with technology based partners resulting in mutual organizational benefits
- Establish innovative educational programs that provide earth science experiences for students and faculty
- •Promote cooperative geo-spatial research programs that strengthen the health and welfare of Native communities throughout USA
- Develop a learning culture that supports systemic change in the ways mathematics and science are taught and integrated with technology

Strategic Enterprise Alliance (SEA) Program



Interdependences of Plans

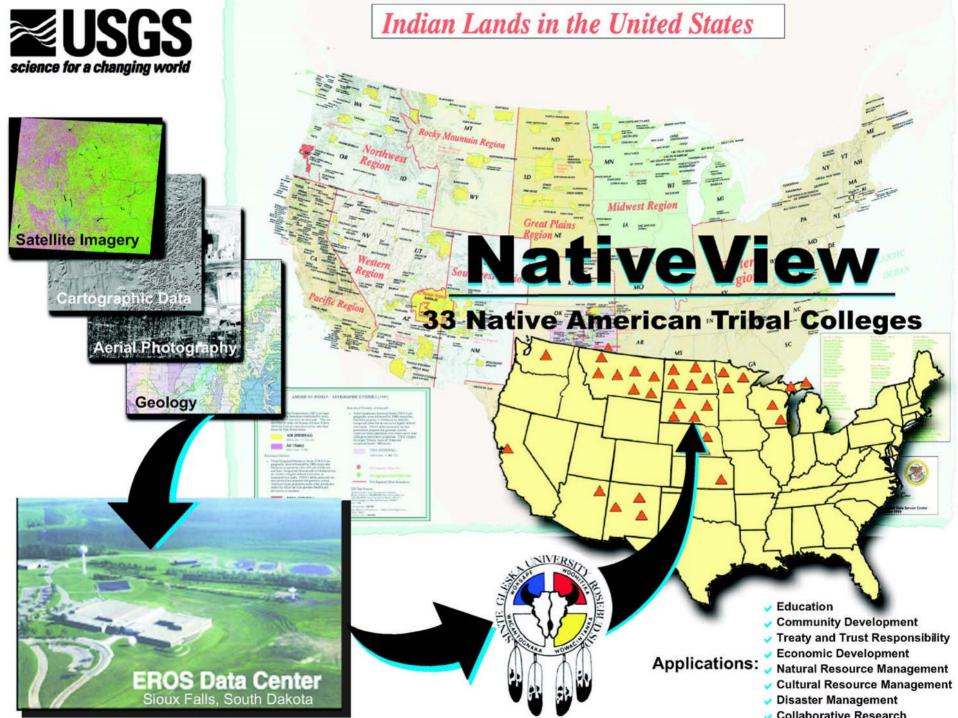




NASA REASON CAN-02-OES-01 A Geospatial Extension to the NASA Information Power GRID

- Education and Science
- Rangeland Management Model/Service
- eSINTE Decision Support System
- NASA IPG
- Tribal Enterprise Business Development





Final Thoughts

- Sinte Gleska University was started by its founding fathers ... to strengthen the Sicangu (Rosebud) Nation in all aspects of life. As such, this Initiative will assist us in bringing two of the essential points of life, the sky and the earth, together spiritually and technically."
 - Dr. Lionel Bordeaux, President, SGU

Thank You