



Website Updates:

Mid-Year Reports Online

New photos Coming Soon

Template for year 5 Workplans

Follow-Up of Mid Year Meeting:

Are you recording your activities with photos? Preparing articles to submit for publication?

Highlights:

Annual Meeting – 1

CSREES Video- 1, 2

Partner News – 2

First Friday Call - 2

Where in the World- 3

In the Classrooms – 3

NRE Partners:

- FBCC
- ISU
- NICC
- NDSU
- SBC
- SGU
- SDSU
- UNL

Paula's Travel:

Aug 26 - SGU

USDA IFAFS GRANT 2001-2005

Maximizing Outcomes in Our Final Year

The NRE annual meeting at Sinte Gleska University is September 28 and 29. The theme of the meeting is "Maximizing Outcomes in Our Final Year."

The expected outcome of the meeting is that each institution will have a draft workplan for institutional, collaborative, and project wide activities for the final year of the NRE project. In addition to their annual reports, participants are to bring a tentative program and spend down plan for the final year of the project for their institution. A template has been developed, located on the project website <http://ifafsnrep.ag.iastate.edu/> under "What's New."

The final year is to be one of sharing accomplishments of the NRE grant with stakeholders, colleagues, and funders. The annual meeting will feature a "photo gallery" of activities supported through the NRE grant. Discussion at the annual meeting will include the variety of publications, meetings, and reports that will illustrate the achievements of the NRE project across the consortia.

A calendar of events at each institution will be developed in order to comprehend the full breadth of the project in its final year. Preliminary procedures for closing the project will be discussed.



Sinte Gleska University will host NRE Annual Meeting September 28 and 29.

A pre-meeting Research Design Workshop will be held on Tuesday, September 27 beginning at 4 p.m. at the SGU campus. For those wishing to submit a partnership proposal for future funding in the area of natural resources, this workshop is for you!

Lisa Colombe asks that you contact her regarding lodging options. There are a limited number of rooms at the Rosebud Casino and a block of rooms reserved at both the Antelope Country Inn and Maverick Motels in Mission. Another option is to reserve your own lodging in Valentine, Nebraska.

Please "register" for the NRE annual meeting and the pre-meeting research design workshop by e-mailing [Lisa Colombe](#), [Mary de Baca](#), and [Tim Nichols](#).

On-Site Shooting Completed for USDA Partners Video

The USDA Partners Video Magazine will begin with a depiction of a Talking Circle just as the Natural Resources Education project's initial activity was to conduct Needs Assessments in each Tribal College community through Talking Circles. A conference room at Fort Berthold Community College was converted into a video studio by USDA personnel Patrick Holian, Ron Anderson, and Kevin Conner for the filming. Kerry Hartman and Stacey Mortenson called together a Talking Circle

of FBCC students and faculty and community leaders for the video to illustrate the importance of grass roots input in defining relevant natural resources education issues in Tribal College communities.

Both Kerry Hartman, FBCC, and Kevin Sedivec, NDSU, were interviewed in relation to FBCC's re-establishing Juneberries and participating in the bison research project with NDSU.

NRE REPORTING

Please send Year 4, Quarter 3 reports if you haven't done so. Please also submit past due reports.

**Best Wishes
Chris Zdorovtsov**



Chris Kirk and Vitaliy Zdorovtsov were married in August. Chris continues her graduate work at SDSU.

Send your news for the next newsletter to Mary M. de Baca

18 CURTISS, IOWA
STATE UNIVERSITY
PHONE: 515-294-8574
FAX: 515 294 5334
E-MAIL:
mmmdb@iastate.edu

NRE on the Web
<http://ifafsnrp.ag.iastate.edu/>

Submit project workbook and photos for the web to Jason at
Jason_Decker@hotmail.com

USDA Partners Video Cont.

At Sitting Bull College, Laurel Vermillion highlighted for the video the involvement of the Tribal Colleges in the NRE project in all phases of the project, from writing the proposal to making program decisions appropriate for each Tribal College community. Laurel acknowledged the support of the 1862 partners in the area of natural resource education.

The water quality project initiated by Linda Hugelen was included in the video with Martin Gipp taking water samples for analysis. Juan Mesteth, a SGC student, provided traditional drumming to be used as background sound in the video magazine.

The Cooperative State Research, Education, and Extension Service (CSREES) of USDA selected the NRE project as the subject of the 15th in a series of documentaries about successful partnership programs funded through USDA. The NRE video will be released in May.

Partner Activities

Sitting Bull College

Water quality testing is ongoing on the Standing Rock Indian Reservation. Loretta Bad Heart Bull worked during the winter months visiting tribal communities and informing them of the importance of having safe drinking water. Test kits revealed high levels of potentially dangerous contaminants, so samples were analyzed further at professional labs. Martin Gipp, former SBC student, has traveled throughout the reservation analyzing livestock water, documenting locations, and printing maps of his collection points.

Linda Hugelen was funded through US Geological Survey for training leading college students and employees and tribal employees to create metadata for all documents created. Ron Leuthe, GIS Specialist with NRCS, North Dakota and Donald Borgen, consultant, are providing the six-week training sessions that ended in mid-August.

If you are traveling in North or South Dakota, tune in to FM89.5 from 10 a.m. to noon on Wednesdays to hear Linda Hugelen, SBC and Manaja Hill, Tribal USDA Coordinator, on their weekly radio program "Power of the Land." The program is supported by NDSU and SDSU and has received many favorable comments of the interviews with a variety of guests.

First Friday Monthly Conference Calls

Because of the Labor Day holiday, the September Conference Call will be on Friday, September 9. The theme for the conference call will be the annual meeting and the pre-meeting workshop coming up later in the month at SGU. Please contact Mary mmmdb@iastate.edu to indicate your participation.



Ron Anderson, Patrick Holian, and Kevin Conner, USDA Video team interviewed Kerry Hartman, FBCC, at Juneberry planting site near Whiteshield, North Dakota.



Martin Gipp was videoed taking water samples for the Sitting Bull College Water Quality project.

Where in the World?

Subodh Singh, NRE instructor at SGU, is back from a 2 month stay with family in India. Regarding natural resources, Subodh indicates most of the deforestation happens because of corrupt politicians and bureaucrats but that to reforest, the Indian army is planting trees in many states in India. Fishing is a big industry due to India's having a large coast line and many rivers. An Indian scientist was recognized this year for popularizing small scale fish farms in India and in neighboring countries, which provided employment and a rich diet to the poor. Air pollution is increasing due to increased use of personal cars. With the rise of the middle class the population is spending more on vehicles. The government is trying to convert public conveyance systems to natural gas as the country has some gas fields and imports gas through a pipeline from Iran. In some states, wind power is increasing. Ask Subodh more about India. Further information, from architecture to wildlife of India, can be found at: <http://www.indiantravelportal.com/rivers/map-of-indian-rivers.html>

Hank Miller, NRE instructor at NICC, participated in a 10 day study tour in Bolivia as a part of the Prairie PhD program under the leadership of Diane Rickerl, SDSU. The group studied natural resources, environmental conditions, food systems, nutrition, indigenous cultures, history and economics of the country. Hank reported the elevation of 10,000 to 15, 500 feet in the Andes Mountains was highly vegetated. The Bolivians have utilized terracing for thousands of years and have kept food production sustainable. They grow a variety of vegetables and fruits, produce chickens and some pork and beef through manual labor. Bolivians utilize alpacas, llamas and donkeys for transportation, as pack animals, for meat and textiles. Hank was impressed by the use of indigenous knowledge, passed down through the years, for food production, construction, clothing, medicine, and every other facets of living. Visit with Hank about his experience. For more information, go to <http://www.studyabroad.com/south-america/bolivia/consular-info.html>.



Prairie PhD group learns of vegetable production in the Andes Mountains of Bolivia.

In the Classrooms

NRE instructors and campus coordinators are teaching a variety of classes this fall semester in addition to the NRE community outreach projects.

Tribal College	Instructor	Course	Delivery/Location
FBCC	Kerry Hartman	Meteorology with ISU	Distance Ed by Video
		Anatomy and Physiology (co-taught with Stacey)	FBCC
		Concepts of Biology	FBCC
		Environmental Law	FBCC
		Foundations of Chemistry	FBCC
		Intermediate Algebra	FBCC
	Stacey Mortensen	Anatomy and Physiology (co-taught with Kerry)	FBCC
		Earth Science	IVN to all Tribal Colleges
SBC	Linda Hugulen	Weather Studies	Online
		Range Plant Identification	Online
SGU	Subodh Singh	Physics	SGU campus
		Chemistry	SGU campus
	Lisa Colombe		
	Dave Wiesser	Environmental Science	SGU campus
		Landscaping	SGU campus
NICC	Hank Miller	Natural Resources and Range Management	Macy, Santee. And South Sioux campuses
	David Stamp	Introduction to Biology	Santee campus