

ND Space Grant Annual Affiliates Meeting

Bismarck, May 9, 2011

Santhosh Seelan
Director, ND NASA EPSCoR
Director, ND Space Grant
Chair, Department of Space Studies, UND

Suzette Bieri
Dy. Director, ND Space Grant



Welcome ND Space Grant Affiliates!

Williston State College

Dakota College at Bottineau

Dickinson State University

Turtle Mountain Community College

Fort Berthold Community College

Chankdeska Chikana Community College

Minot State University

Lake Region State College

Bismarck State College

Valley City State University

United Tribes Technical College

Mayville State University

Gateway to Science Center

ND State College of Science

State Historical Society of ND (Heritage Center)

NDSU

Sitting Bull College

Grand Forks Herald

UND



Agenda

- 8:30 am** **Breakfast**
- 9:00 to 9:10 am** **Welcome and Introductions**
- 9:10 to 9:20 am** **“UAS for Precision Agriculture” by Jeremy Smith, UND**
- 9:20 to 9:30 am** **“Impacts of Oil Development on the Fort Berthold Indian Reservation” by Kerry Hartman, Fort Berthold Community College**
- 9:30 to 9:40 am** **“Asian Dust and Pollution” by Tim Logan, UND**
- 9:40 to 9:50 am** **“Human Powered Vehicle” by Ghodrat Karami, NDSU**
- 9:50 to 10:00 am** **“BalloonSat and HASP” by Ron Fevig, UND**
- 10:00 to 10:10 am** **“SHSND Suitcase Exhibits for North Dakota (SEND) Trunk—North Dakota’s Night” Sky by Scott Schaffnit, Heritage Center, Bismarck**
- 10:10 to 10:20 am** **“Rocketry at ND” by Tim Young, UND**



Agenda Continued...

10:20 to 10:45 am

Tea/coffee break and Networking

10: 45 to 11: 15 am

Budget Updates and Priorities

11:15 to 12:00 noon

Scholarships, Fellowships and Summer Internships

12:00 to 1:00 pm

Lunch and Networking

1:00 to 1:30 pm

Future Directions for ND Space Grant

10:30 to 1:45 pm

Collaborative Ideas and Upcoming Events

1:45 to 2:00 pm

Next Meeting Venue

2:00 pm

Adjourn



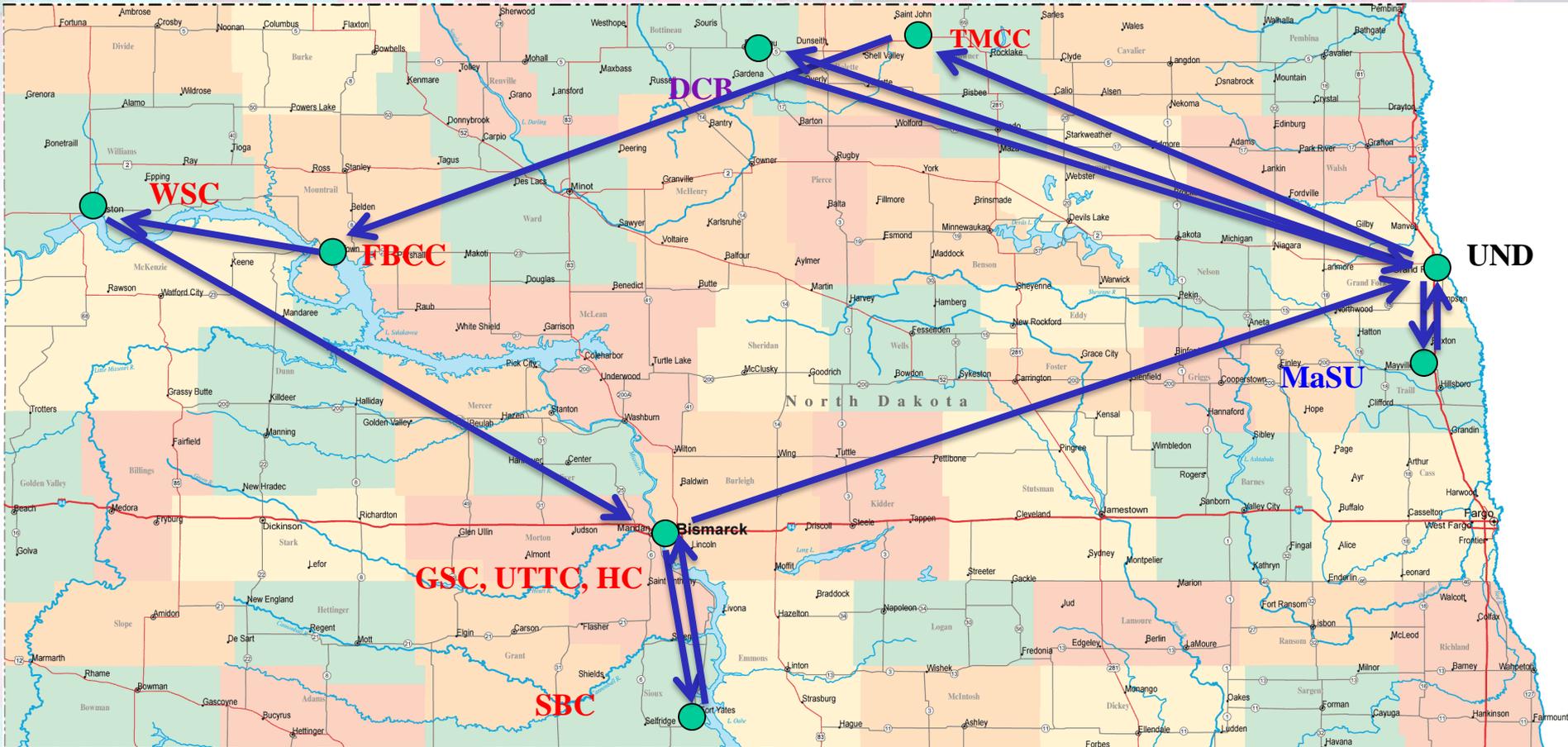
FY 2010 Highlights

- Transition to new Director started in summer 2010
- New Director officially started on Aug 16, 2011
- Revised augmentation proposal and budget submitted to NASA soon after
- Dep. Director compiled the annual report for FY 2009 which was submitted in August 2010



Highlights continued...

Visits to our affiliates by Director and Dep. Director



Highlights continued...

- 100% of the students supported have taken the “next step”
- 20 research fellowships and 85 scholarships were awarded

“The grant allowed me to focus on the research that I wanted to perform. In addition I have used my unmanned aircraft flight skills that the grant aided in developing to be a part of a team that took first place in the UAV Outback Challenge held in Australia this year.” (David Dvorak)

- Five Research Focus Area awards were given out
- UND Space Studies observatory was used by graduate students for research
- Three GRAs and tuition waivers were given out



Highlights Continued...

- Two NASA internships already committed. More are likely to be supported
- Three First Robotics teams will be supported for the national competition
- Lunabotics team from ND will be supported for the national competition
- USLI Rocketry team to national competition was supported
- Team America Rocketry Competition from Montpelier, ND supported for the national competition



Highlights Continued...

- One Human Powered Vehicle team from NDSU will be supported for the national competition
- Pre-service teacher workshops attended by 148 “soon to be” teachers
- Permanent space themed displays planned at Heritage Center
- A more inclusive, new e-mail list serve developed for better communication
- Attended annual national and regional meetings of Space Grant







Budget updates

- Likely cuts in NASA's education department budget for space grant
 - The budget was 45.6 million for the last 9 years or so
 - This year it is likely to be 26.6 million or even less
- This cut will have to be shared by all states
- The good news is, we are in the Governor's budget for \$200,000 each for the next two years



NDSG budget at a glance

Space Grant FY 2010 budget

Description	Budget	Remarks
Salaries and fringe	134,079	Dir, Dep Dir, Ad Asst, Gr Designer
GRA	53,484	3 GRAs
Graduate tuition waiver	23,508	for the 3 GRAs
Scholarships, fellowships	180,000	
NASA Summer Internships	29,536	
RFA and affiliate research+NASA travel	135,460	only 68K spent
Summer faculty fellowships	30,000	
Travel, workshops, annual meeting etc.	20,499	
Longitudinal Tracking, web site management	15,800	Web site work moved back to GFK
Rents, office supplies etc	7,398	
Sponsorships to competitions	25,000	
Observatory	25,001	Includes observation at Badlands
Balloonsat, HASP, Rocketry, space suit testing etc	10,000	
Indirect costs	109,299	Goes to UND F&A, office space etc.
Total	799,064	600K (NASA) + 200K (State)
UND soft money match (funny money)	219,068	This is needed to get the NASA \$\$\$



Current activities

- The activities supported currently are:
 - Research Focus Areas
 - Summer Faculty Fellowships
 - Longitudinal Tracking Websites
 - K-12 workshops
 - First Robotics and other competitions
 - NASA Center Internships
 - Observatory
 - Scholarships, fellowships, tuition waiver etc.
 - BallonSat/HASP/Rocketry
 - Space Suit testing



Scholarships, fellowships and summer internships

- Encourage more students from colleges other than UND and NDSU to apply for summer internships and research fellowships
- Please, please submit your list of scholarship recipients in a timely fashion (for reporting consistency to NASA)



Goals for next year and future directions

- More visits to affiliates
- Improving the ND Space Grant web site
- Offer SpSt 200 and other courses through IVN network
- More participation in annual meeting
 - Presentations by faculty fellowship awardees
 - Presentations by students who receive awards
 - Demos of student projects



Collaborative ideas



Next meeting ideas

- Bismarck?
- In Grand Forks, with tour of Aerospace facilities?
- Separate fall technical meeting and spring business meeting?
- Alternate annual meetings between Grand Forks and affiliate centers?



Thanks!

