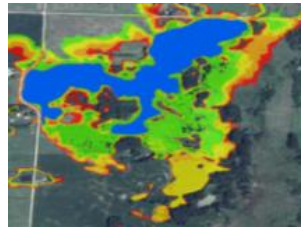
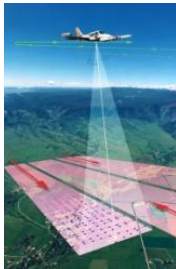


### **LiDAR Applications Workshop**

Fargo, North Dakota, NDSU, MU, Plains Room

March 31, 2010

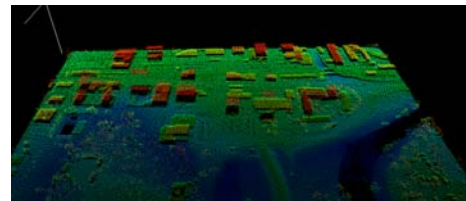
9:30 am – 4:00 pm



In 2008 the International Water Institute initiated the Red River Basin Mapping Initiative – a \$5,000,000 project to acquire and make publically available highly accurate elevation data for the US portion of the Red River Basin. An established but evolving technology called Light Detection and Ranging (LiDAR) was used to acquire elevation data over approximately 50,000 square miles in North Dakota, Minnesota, and South Dakota. LiDAR data collection platforms include lasers, computers, global positions systems, inertial measurement units, and aircraft to collect very accurate elevation data over large land surfaces.

LiDAR data have many applications including precision agriculture, flood plain delineation, flood damage reduction, natural resources enhancement, and soil mapping. This workshop will include opportunities to ask questions to seasoned LiDAR users and network with other resource professionals who are using LiDAR data in their work. Presentation topics include:

- Soil Survey
- Watershed and Floodplain Management
- Precision Agriculture
- Soil Conservation & Water Quality
- Hydrology and Hydraulics Modeling



The workshop is intended and recommended for interested local, state, tribal, and federal resources management professionals, landowners, researchers, students, and elected officials in the Red River of the North Basin (North Dakota, Minnesota, and Manitoba).

The workshop is scheduled for March 31, 2010 in Fargo, ND at North Dakota State University, Memorial Union, Plains Room. The workshop is free of charge; however, space is limited, so we are asking you to register via an email to Grit May, IWI Project Specialist, at [grit.may@ndsu.edu](mailto:grit.may@ndsu.edu) or call 701-231-5266.

For more information, contact:

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