



**Congress of the United States  
House of Representatives  
Washington, DC 20515**

**Rep. Mike Simpson  
FY2010 Commerce, Justice, Science, and Related Agencies Appropriations  
Member Project Requests**

In accordance with the policies put forth by the House Appropriations Committee, I would like to share with you some information regarding the projects that I have submitted for consideration in FY2010 Commerce, Justice, Science and Related Agencies Appropriations Bill.

**Project Name:** Advanced Nuclear Technology Development for Space Propulsion and Power at the Idaho National Laboratory

**Amount Requested:** \$750,000

**Account:** National Aeronautics and Space Administration (NASA)

**Recipient:** Idaho National Laboratory Center for Space Nuclear Research

**Recipient's Street Address:** 995 University Boulevard, MS 3553, Idaho Falls, Idaho 83415-3553.

**Description:** The workforce in nuclear technologies is shrinking, and the number of new graduates from the few remaining Nuclear Engineering programs in the country is insufficient to meet the growing demand. Consequently, competition for new students between DOE labs, industry and NASA is becoming tight. At the same time, a 2008 review of the NASA Exploration Technology Development Program by the National Research Council identified one technology gap in the program - no funding by NASA in the area of nuclear thermal propulsion (NTP). In addition, the NASA lunar architecture studies have shown that a nuclear reactor for power on the lunar surface is a high priority. The Center for Space Nuclear Research (CSNR) has developed into a lead center for research into space nuclear systems and has performed mission and technology assessments of both NTP and surface power in its Summer Fellowship program. The CSNR seeks to develop a workforce in nuclear technologies for space exploration to fill in losses due to attrition. This project will enable the CSNR and INL to attract premier, top-quality students from around the country to come to the CSNR to work on space exploration studies and projects, so that it can train students to prepare them for careers in nuclear technologies in space exploration.

**Project Name:** Boise Center Aerospace Laboratory (BCAL) Watershed Modeling Utilizing LiDAR at Idaho State University

**Amount Requested:** \$500,000

**Account:** Department of Commerce NOAA

**Recipient:** Idaho State University

**Recipient's Street Address:** 921 South 8th Avenue Stop 8007, Pocatello, Idaho 83209

**Description:** ISU's Department of Geosciences has developed free spatial analysis tools available to the public for remote sensing and geographic information sciences (GIS). The remote sensing tools include a downloadable toolbox for analyzing light detection and ranging (LiDAR) data. LiDAR is an imaging method using a laser mounted on an aircraft to determine precise vertical information (topography) of the earth's surface (15 cm precision). Commonly, this information is translated into high-resolution digital

elevation models (DEMs). LiDAR can provide both a bare earth surface and the vegetated (or built) surface. LiDAR can also provide topographic data below water. Specifically to the concern of NOAA and the State of Idaho, LiDAR can provide up to date and precise flood plain maps for rivers with built environments (such as the Boise River) to guide decisions on flood insurance coverage and land use restrictions. These predictive maps can also aid in evacuation of people and livestock during an impending flood. This project will leverage existing infrastructure and expertise at ISU to develop state-of-the-art watershed modeling tools for NOAA and other federal agencies. These tools will enable better management of watersheds through improved topographic analyses for prediction of runoff, floods, and water storage capacity. Hyperspectral analysis (soils and vegetation) will be coupled with the LiDAR data for a full characterization, spectrally and spatially of the landscape. These analyses will allow for studies of vegetation structure, dependence of vegetation, soils, and earth processes (e.g. fire, erosion) on topology (slope & aspect, drainages, surface roughness). The goal of this research and its resulting algorithms and tools is to significantly benefit NOAA in its ability to convert LiDAR data into usable derivative datasets for environmental and safety applications in Idaho and elsewhere.

**Project Name:** City of Twin Falls Police Anti-Meth Equipment and Operations Project

**Amount Requested:** \$125,000

**Account:** Department of Justice COPS Meth

**Recipient:** City of Twin Falls, State of Idaho

**Recipient's Street Address:** 321 2<sup>nd</sup> Avenue East, Twin Falls, Idaho 83303.

**Description:** Use of methamphetamine is a growing problem throughout the United States as well as in Idaho. Twin Falls, ID faces an increasing drug problem, much of it located in the downtown area. The funding will provide equipment and dedicated personnel to address illegal drug use in the original town site area of Twin Falls. This funding will allow for specific dedicated drug enforcement patrols and provide for the purchase of equipment such as video surveillance system, GPS tracking system, 6 secure frequency radios, and a drug detection canine. This funding will assist Twin Falls in its efforts to combat crime and the illegal drug trade.

**Project Name:** Custer County Correctional Facility Equipment

**Amount Requested:** \$500,000

**Account:** Department of Justice Byrne Discretionary Grants

**Recipient:** Custer County

**Recipient's Address:** 801 East Main Avenue Challis, ID 83226h

**Description:** The current jail in Custer County was constructed in 1911 and is repeatedly threatened with lawsuits because it is out of compliance with federal and state standards. It is too small to separate women, men and juveniles as required by law, and it would require extensive repairs to meet current building codes due to the age of the building. The County has concluded that it is more economically feasible to build a new correctional facility. Funds provided would go to equipment and technology needed to outfit a new correctional facility that will comply with federal and state standards.

**Project Name:** Idaho Meth Project

**Amount Requested:** \$1,000,000

**Account:** Department of Justice COPS Meth

**Recipient:** Idaho Meth Project

**Recipient's Street Address:** 304 N. 8th Street, Room 446, Boise, Idaho 83702.

**Description:** Methamphetamine trafficking and abuse in Idaho has been on the rise over the past few years and, as a result, meth is having a devastating impact in many communities throughout Idaho. Meth is the number one illegal drug of choice in Idaho and the State's leading drug problem. The financial and social consequences of meth abuse in Idaho are devastating. It is a contributing cause for much of the crime in Idaho, costs millions of dollars in productivity, contributes to the ever increasing prison

populations and adversely impacts families. The Idaho Meth Project is a large-scale, statewide prevention and public awareness program designed to reduce the prevalence of first-time methamphetamine abuse in Idaho by influencing attitudes through high-impact advertising. The Idaho Meth Project is focused solely upon prevention and, to achieve this goal, is active in three areas: public service messaging, community action and public policy. This includes a pervasive media campaign reaching our target population through TV, radio, billboards, print, and the Internet.

**Project Name:** Idaho State Police to participate in the Criminal Information Sharing Alliance Network (CISAnet)

**Amount Requested:** \$869,000

**Account:** Department of Justice COPS Law Enforcement Technology

**Recipient:** Idaho State Police

**Recipient's Street Address:** 700 South Stratford, Meridian, ID 83642

**Description:** In 2006, the Idaho State Police (ISP) developed and deployed, on a limited basis, a web-based Case Investigative System (CIS). This tool allows investigators to collect, use and share critical law enforcement information across the state. CISAnet provides a bi-directional information-sharing network within and between state and local law enforcement agencies. CISAnet provides ISP and law enforcement across Idaho with real time access to criminal intelligence information shared by law enforcement partner agencies within the states of Alabama, Arizona, California, Georgia, Louisiana, Mississippi, New Mexico, Oklahoma and Texas. This ten state area is regarded as one of the most vulnerable to our nation's security; a 'soft spot' through which illegal Mexican immigrants filter, illegal drug trafficking passes and terrorists move freely. It is believed that securing this porous border with Mexico is an effective way to protect American citizens. The CISAnet system provides an effective means for law enforcement agencies to share information across state lines on known or suspected criminal activity. Together, access to CISAnet, Idaho's Fusion Center and remote access to CIS will ensure that Idaho state and local law enforcement officers have the best information available in a timely manner. In today's environment, these systems are an effective way to monitor illegal drug and terrorist activity and identify, target and locate potential terrorists. These systems are important components of an overall prevention strategy and are crucial to protecting the citizens of Idaho and the United States' homeland security. The Criminal Information Sharing Alliance network (CISAnet) FY2010 federal funding will be used to continue the integration of CIS into the CISAnet infrastructure, to expand its capabilities by adding a Geo coding module and by integrating CIS, RMS and CISAnet into Idaho's Criminal Intelligence Center.

**Project Name:** NCOMS Medical and Mental Health Sharing Software Development

**Amount Requested:** \$1,500,000

**Account:** Department of Justice Byrne Discretionary Grants

**Recipient:** Idaho Department of Corrections

**Recipient's Street Address:** 1299 North Orchard, Suite 110, Boise, Idaho 83706.

**Description:** States are legally mandated to provide appropriate medical care to incarcerated individuals. These funds will be used to create, modularize and implement the Medical/Mental Health module for the National Consortium of Offender Management Systems (NCOMS). This technology will allow public safety organizations that house offenders to track and record the medical information to ensure that offenders receive proper medical treatment.

I appreciate the opportunity to provide a list of the projects I have requested in the FY2010 Commerce, Justice, Science and Related Agencies Appropriations bill on behalf of Idaho and provide an explanation of my support for them.