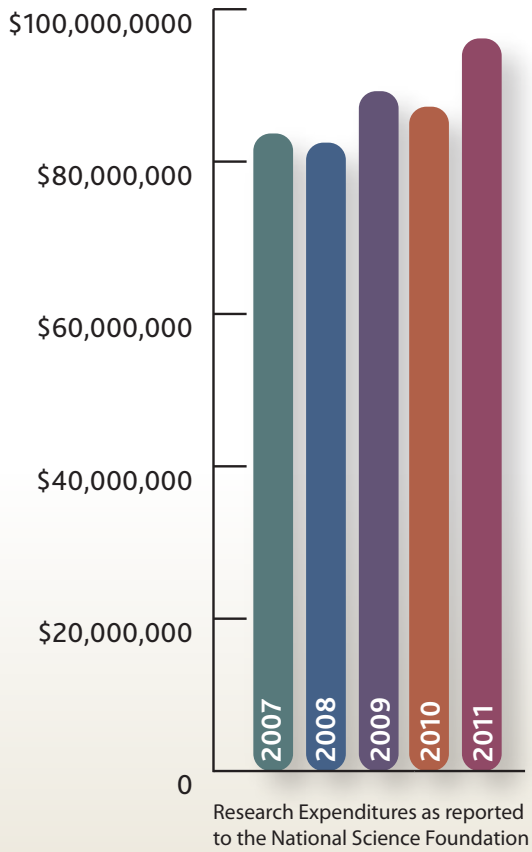
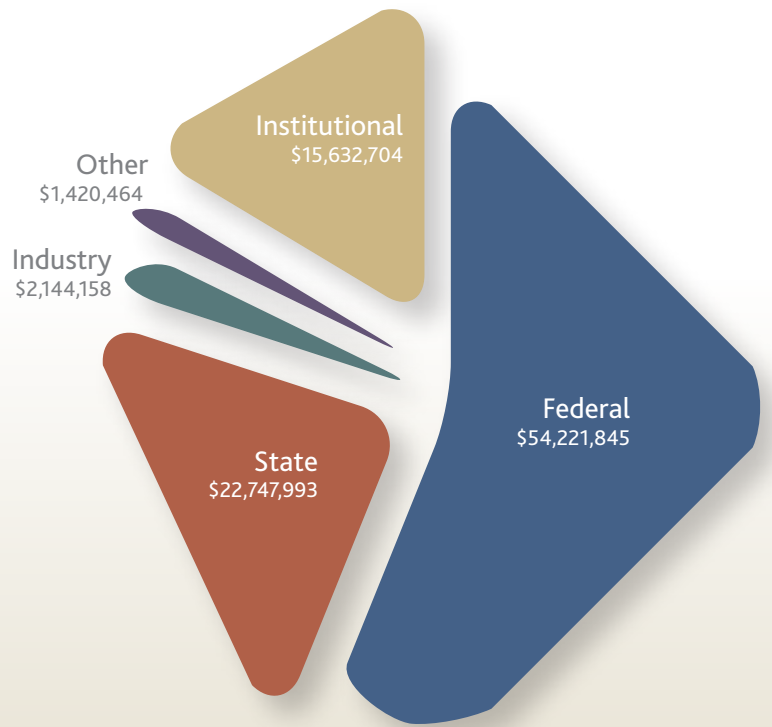


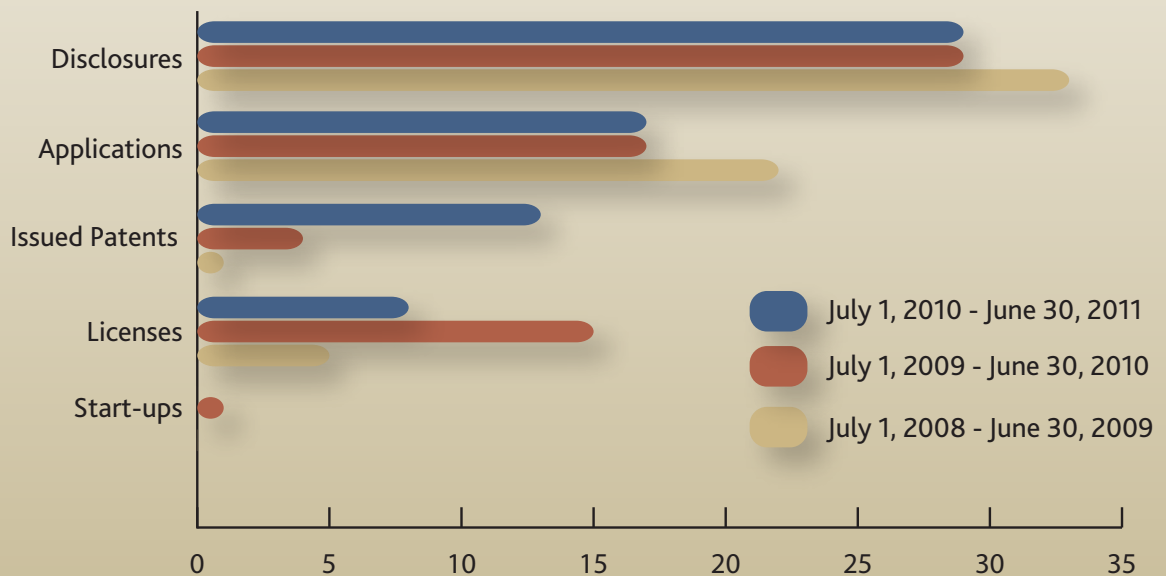
Research Expenditures



Research Expenditures by Funding Source (Fiscal Year 2011)



Technology Commercialization





U-Idaho: Maintaining a Critical Resource

From agriculture and hydropower to recreation and the ecosystem, water is essential to the vitality of Idaho, sustaining both life and the economy. While water is ample in our region, climate change and a projected 50 percent growth in the state's population over the next 25 years will present increasing pressures on this important resource and growing uncertainties for Idaho's communities. Consequently, our state faces unprecedented water challenges: from shrinking aquifers and degrading watersheds, to farmland droughts and urban flooding, to hazardous water pollution and declining fish populations, to territorial water disputes and tribal water rights, to the unstable health of heavily utilized rivers. The University of Idaho is leading extensive statewide research and broad outreach to solve these vast and intricately complex water problems, advancing discovery and knowledge to help people throughout Idaho and the West manage, protect and preserve this vital natural resource – now and into the future.

U-Idaho Students Address Water Issues

From the Pacific Northwest, to the Chilean Patagonia, to the European Alps, the University of Idaho's Center for Ecohydraulics Research (CER) is working to better understand river systems and solve practical water problems in the West and around the world.

Recently, CER students examined complex and controversial issues surrounding the restoration of an eastern Idaho water channel on the Henry's Lake Outlet. The students offered several solutions to help irrigators and the environmental groups amicably resolve the conflict and avoid costly litigation. Students and faculty are also addressing the severe fine-sediment problem that is threatening trout populations in southern Idaho's Silver Creek, known widely for its world-class fly fishing. Further, the CER stream laboratory – home to a 70-foot long, six-foot wide artificial river – draws researchers from around the world to study processes in steep mountain streams.

Read more: www.uidaho.edu/research/ecohydraulics

Managing Waters of the West

Researchers from the University of Idaho Waters of the West (WoW) – a revolutionary research, education, and outreach program that blends engineering, science, policy, law, social science and other fields in the management of water resources – are collaborating across disciplines to help Idaho's communities solve complex water problems.

A team of faculty and students are helping concerned stakeholders in Latah and Whitman counties work together to address the Palouse Basin's decline of groundwater – the main water supply for the area's combined 50,000 residents. The researchers completed integrated analyses of the scientific, political, economic, environmental and social challenges surrounding the sustainability of the region's shrinking aquifer. The team compiled its findings to develop the Palouse Basin Water Information System, used by Palouse Basin communities to make better-informed water management decisions. Researchers also developed a water resources visioning tool to simulate future scenarios for new water supplies and water conservation.

WoW researchers are also engaged in an interdisciplinary study of the Lapwai Creek watershed on the Nez Perce Reservation to help tribal and non-tribal groups create a unified vision to protect the important water resources. In this collaboration, WoW faculty and students developed a community water information system. The team also completed an integrated analysis of floodplain design for stream habitat.

Law professor Barbara Cosens, who heads up the law facet of WoW, is leading research on the Columbia River Basin and is a principal organizer of a consortium of six Northwest universities in the U.S. and Canada. Focused on understanding the implications of the upcoming review of the Columbia River Treaty, Cosens and other consortium partners initiated an annual symposium with the goal of facilitating a transboundary dialogue on the future of hydropower, flood control, and other issues surrounding the Columbia River Basin.

Read more:
www.uidaho.edu/research/watersofthewest