



**University
of Idaho**

**Aquaculture
Research Institute
Industrial Affiliates
Program**

**Brad Ritts, Associate Vice
President for Research**

**29 October 2019
Moscow, Idaho**

A bit about me and my university-industry experiences...



Stanford receives \$1 million Chevron grant

Donation to fund renovation of School of Earth Sciences labs

by Kris Young / Palo Alto Online

Stanford's School of Earth Sciences received a contribution of \$1 million from Chevron Corporation, the university announced Oct. 3.

The donation will help four new members renovate and build new labs for their research, Stanford faculty said.

They will be researching areas such as "coal" technology, seismology and the behavior of materials.

The faculty members supported by the grant are: Maher, Geological and Environmental Sciences; and Jennifer Wilcox, Geological Engineering and Science.

Mao's research interest is in the change of high pressure, various materials such as everyday materials.

Wilcox,

Her objective is to understand which areas are most vulnerable to climate change.

Chevron research is focused on the development of new technologies to improve the efficiency of oil and gas production. Kimberley

Stanford's Summer Undergraduate Research in Geoscience and Engineering Program



In addition to the \$1 million contribution to the School of Earth Sciences, Chevron is planning to give another \$1.5 million to Stanford University in 2008, the company stated.





Idaho's Commitment to Industry-University Collaboration



- Commitment to practical, applied research and education and commitment to private sector interaction
 - Long-term history of industry partnership in some fields
 - Leadership commitment, faculty incentivization, and alignment with university strategy
- Liberal intellectual property approaches and policies
 - Arrangements up to and including IP assignment
 - Confidentiality agreements available
- Multiple strategies for funding industry-university engagements
 - Contracts
 - Industrial Affiliates programs
 - Competitive grants
- Clear running room to establish new relationships or strategic partnerships

U of I strives to be a business-friendly and industry-accessible institution

Industrial Affiliates Programs at U of I



A membership-based consortium of more than one entity (company, tribe, agency, foundation...) working in collaboration with a research group at the University of Idaho

Industrial Affiliates programs are intended to increase the **two-way flow of information** between U of I and industry, thereby increasing the **impact** of U of I research

Industrial Affiliates programs are intended to build **relationships** between corporate subject matter experts and leaders and U of I faculty, researchers, and students



Industrial Affiliates Programs: Stanford University



- A proven mechanism for fostering industry cooperation and information flow at Stanford
- Decades-long history
- Over 65 current programs
- Membership fees from \$10,000 to \$250,000
- Typically companies participate in multiple programs (these become enterprise-level relationships)

We are not re-inventing the wheel – this strategy has demonstrated long-term value

The Aquaculture Industrial Affiliates Program Provides Access to Cutting Edge Research



Meetings, Workshops, and Events

Attendance at ARI Annual Industrial Affiliates Meeting, specialty workshops, and other events

***ARI is able to convene diverse groups of stakeholders, and works seamlessly across industry segments*

Research-In-Progress Programs

Members visits to University of Idaho

University of Idaho researcher visits to members

Visiting Scholar Program



Members see research in progress and have access to researchers and ongoing research from inception to completion

The Aquaculture Industrial Affiliates Program Provides Access to Future Workforce



Direct Access to Student Recruitment

Fellow-Mentor-Advisor Programs



Members have opportunity to develop relationships and evaluate student researchers throughout their time at University of Idaho

The Aquaculture Industrial Affiliates Members Provide Critical Guidance and Insight



Advisory Board Membership

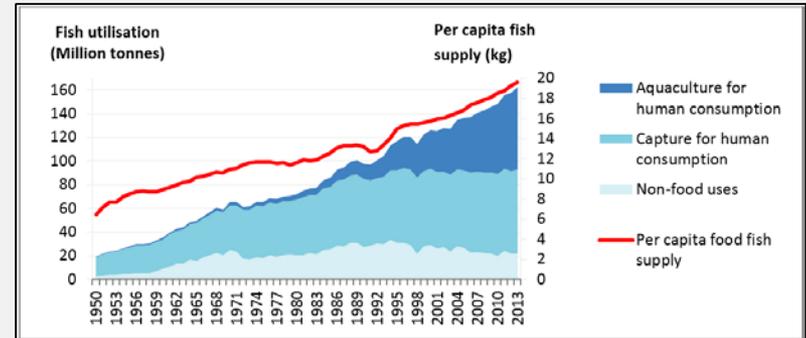
Two-Way Information Flow

Identification of important problems and research priorities

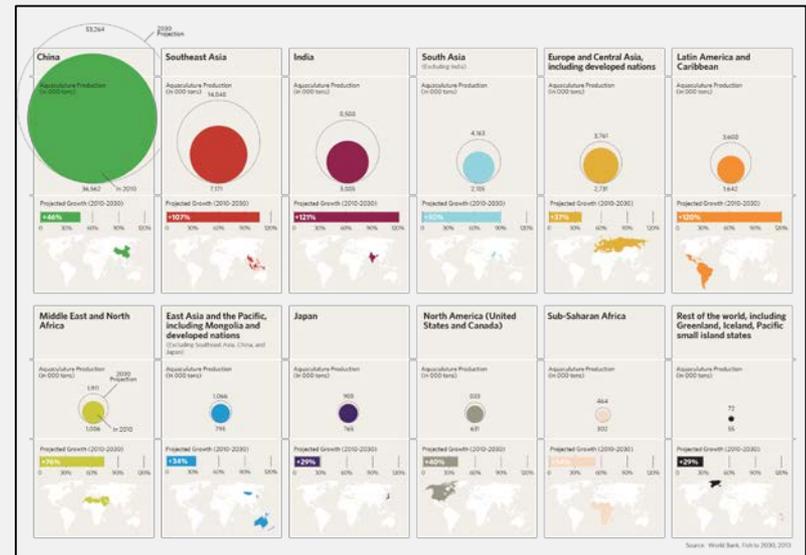
***U of I is an unbiased source for information and analysis*

Opportunities for University-Level Input and Advice

Facilitated access to university leaders and advisory groups



United Nations, 2015



<https://www.nature.org/en-us/what-we-do/our-insights/perspectives/the-aquaculture-opportunity/>
Source: The Nature Conservancy

Members have opportunity to help shape research and programmatic priorities at the Aquaculture Research Institute

The Aquaculture Industrial Affiliates Program Provides Recognition



Membership listed on ARI website and materials

Including upcoming releases of ARI program launch in trade publications

Acknowledgement in journal articles and technical presentations

Acknowledgement on university Industrial Affiliates website and as University of Idaho industrial supporter

Membership displayed in Hagerman and Moscow ARI facilities



Members are visible supporters of innovation in aquaculture

The Aquaculture Research Institute Industrial Affiliates Program



Membership

Annual membership with no long-term commitments and no contract

\$10,000/year for Regular Members

\$25,000/year for Sustaining Members

Benefits

Facilitated access to cutting edge research and student and faculty researchers

ARI Annual Meeting and other meetings and workshops

Recognition

Direct access to student recruitment

ARI Advisory Board membership*

Access to visiting scholar, mentoring, and research-in-progress programs*



An investment in ARI has major impact on the program and ensures strong industry impact



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Industrial Affiliates Programs at University of Idaho



- Multiple strategies for funding industry-university engagements
 - Contracts
 - Project control by funder (timeline, deliverables, etc)
 - Contractual requirements (performance, refund, etc)
 - Intellectual property
 - Bears university overhead (~50% of direct costs)
 - Typically result of bilateral researcher or program relationships
 - Industrial affiliates programs
 - Project control by university researchers
 - No IP rights
 - No contractual relationship
 - 5% overhead rate
 - Established programs to support subject matter areas
 - Competitive grants
 - Either contract or gift terms (usually contract)
 - Funder control of RFP and proposal review and selection
 - Can be organized by Office of Research