



**IGEM**



**IDAHO**  
COMMERCE

**Idaho Commerce & Idaho Global Entrepreneurial Mission  
University of Idaho 2023**

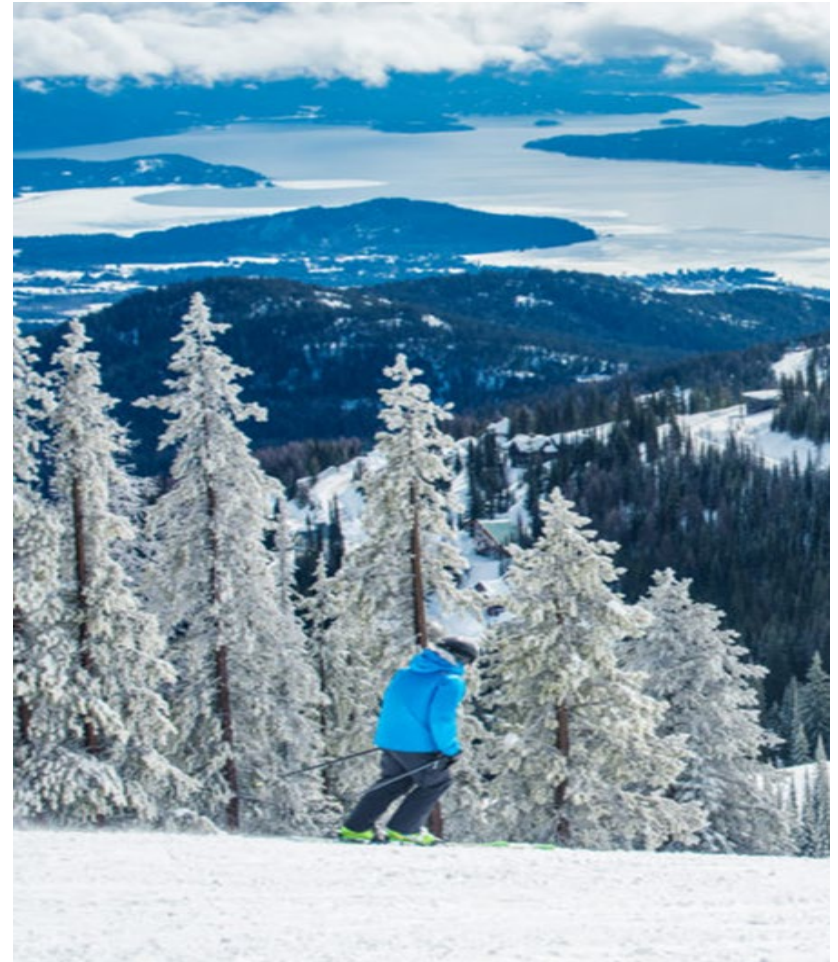
**Carmen Achabal**

# State of Idaho

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- **#1** Performing State Economy in the US
- **#1** Job Growth in Nation
- **Fastest Growing Population** in the Nation
- **Fastest Growing Earnings** in the Nation
- Top Destination to **Travel**

1. Idaho Commerce
2. Idaho Global Entrepreneurial Mission
3. Idaho Resource Map

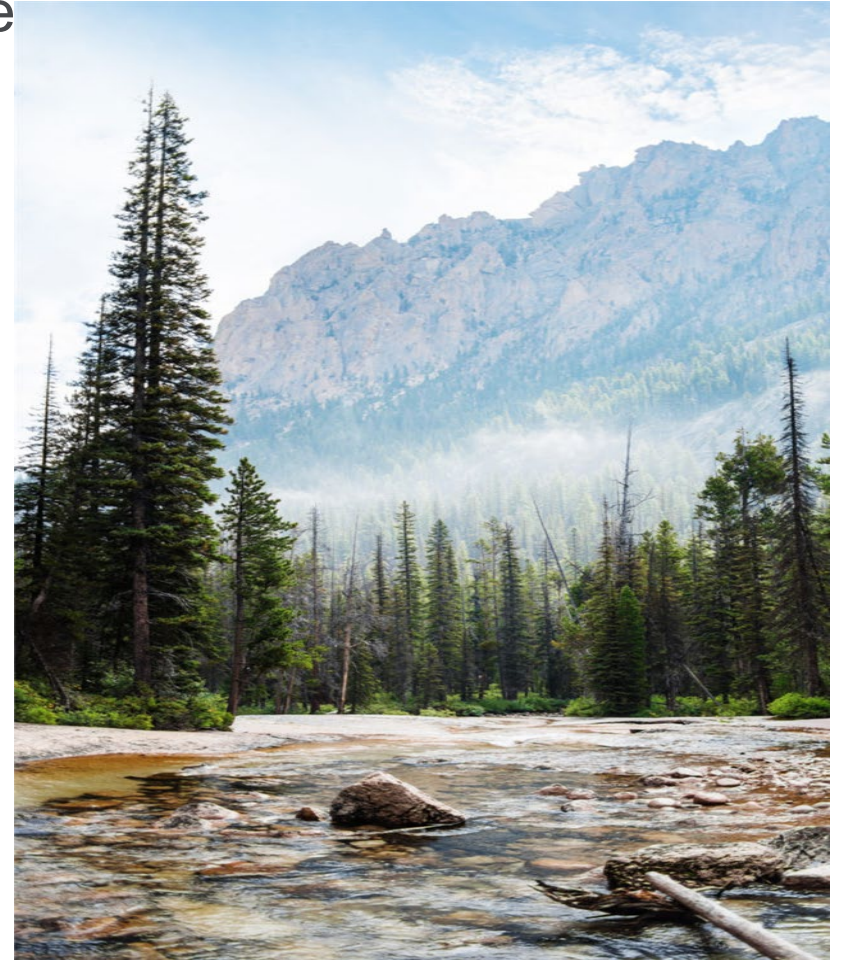


# Idaho Commerce - Mission

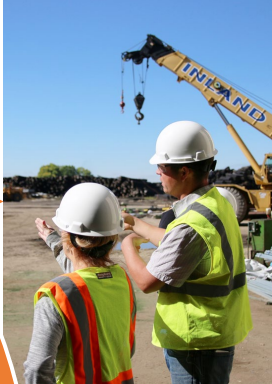
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As the lead economic development agency for the State of Idaho, our mission is to:

- Foster a business-friendly environment to aid in job creation
- Support existing Idaho companies
- Strengthen communities
- Promote innovation
- Market Idaho to the world



# Idaho Commerce - Departments





# BUSINESS RETENTION & EXPANSION

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- Support companies already in Idaho
- Statewide connectors of resources and people
  - Workforce solutions
  - Location needs
  - Supply chain sourcing
  - Referrals specific to your situation



# BUSINESS ATTRACTION GROUP

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- Experts in attracting strategic businesses to Idaho
- Leveraging business incentives applicable to these projects and existing Idaho company expansion
- Gem State Prospector tool



# INTERNATIONAL TRADE

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- Experts in developing global business relationships
- International Trade Offices:
  - Asia Pacific Office
  - Mexico Office
- State Trade Expansion Program (STEP) grants
  - Financial Assistance Awards (FAA)
  - Idaho Online Global Marketing Program
- Trade missions and trade shows
- Training workshops

# COMMUNITY DEVELOPMENT BLOCK GRANTS (CDBG)

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- Public facilities infrastructure
  - New and rehabilitation projects
- Economic development
  - Downtown revitalization
- Economic re-development
  - Job creation
  - Fund activities that expand or construct new public infrastructure to support businesses
  - RCIF – Rural Community Investment Fund
  - Idaho Gem Grants are another potential funding source.



# TOURISM

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- 3<sup>rd</sup> largest industry
- To increase travel and visitor expenditures throughout all of Idaho
- <https://visitidaho.org/>
- <https://commerce.idaho.gov/tourism-resources/research/>





# BROADBAND

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Increasing connectivity for communities across the state

- Households
- Businesses
- Libraries
- Public Services
- Health and Safety
- [Linkup.Idaho.gov](http://Linkup.Idaho.gov)



# MARKETING

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[commerce.idaho.gov](http://commerce.idaho.gov)  
[commerce.idaho.gov/broadband](http://commerce.idaho.gov/broadband)  
[visitidaho.org](http://visitidaho.org)



Idaho Commerce  
and Visit Idaho



@idahocommerce @visitidaho



@visitidaho



Idaho Commerce

Contact us:

[info@commerce.idaho.gov](mailto:info@commerce.idaho.gov)  
[broadband@commerce.idaho.gov](mailto:broadband@commerce.idaho.gov)



# FISCAL & GRANTS

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Ensure Commerce operates in a fiscally responsible manner

- Contracts
- Grants
- Purchasing
- Payments

# IGEM Grant Program

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Drives Economic Development by funding **RESEARCH**

Research that helps Idaho businesses with the development and testing needed to bring new products, technologies, and services to market

## Universities

equipped with laboratories, researchers, assets, and academic opportunities

## Industry

positioned to take products to market



# IGEM – How Does It Work

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University owns the technology, licensing Industry Partner has R & D needs

## University

Novel technology needs industry partner  
Licensing agreement (university/industry)  
Both partners work on R & D



## Industry Partner

License technology from university  
Royalty back to university  
Both partners work on R & D



# IGEM – How Does It Work

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Industry owns the technology and has R & D needs

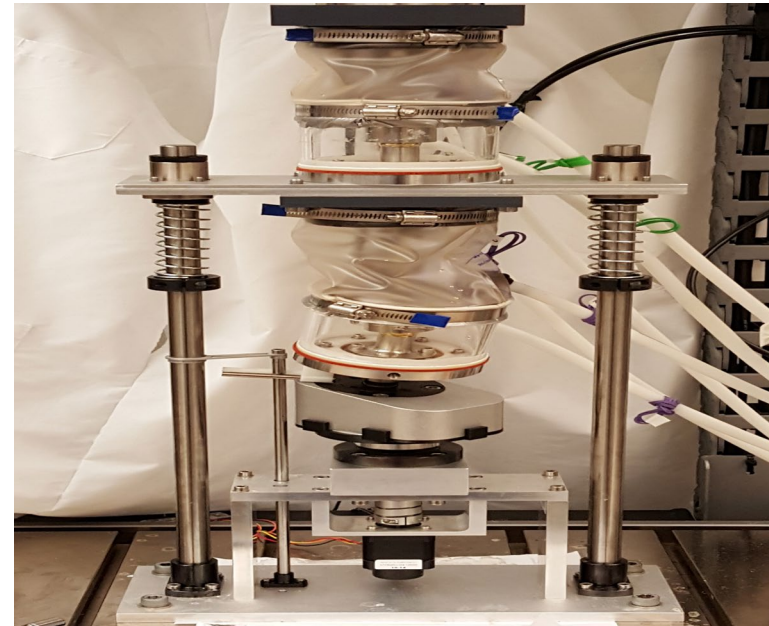
## Industry

Novel device, needs efficacy testing  
Industry owns the technology



## University

Created an apparatus to test device,  
collected data, helped industry with  
efficacy data for approval



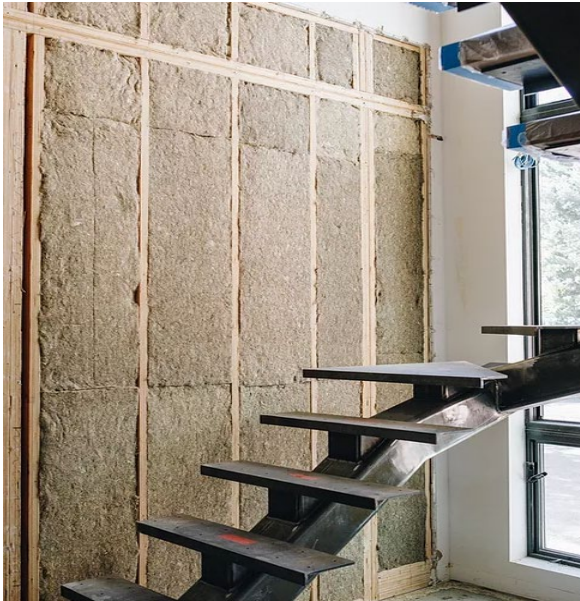
# IGEM – How Does It Work

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Industry owns the technology and has R & D needs

## Industry

New product/technology, needs testing  
Industry owns technology



## University

Leveraged its laboratory and expertise  
Thermal and moisture testing





# IGEM – How Does It Work

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Industry needs research – joint development

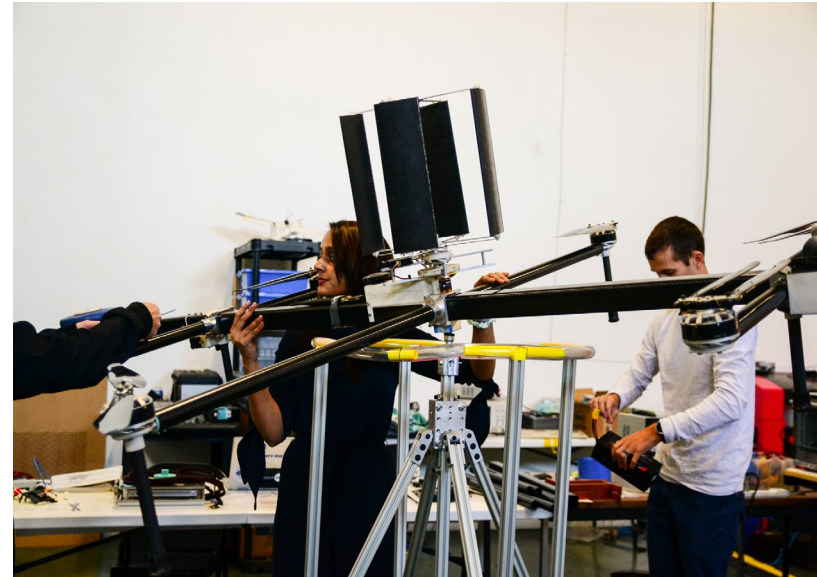
## Industry

New product/technology, needs testing  
Industry owns initial technology –  
Could be joint development



## University

Leveraged its laboratory and expertise  
Improving design and development of  
technology



# IGEM – Commerce Requirements

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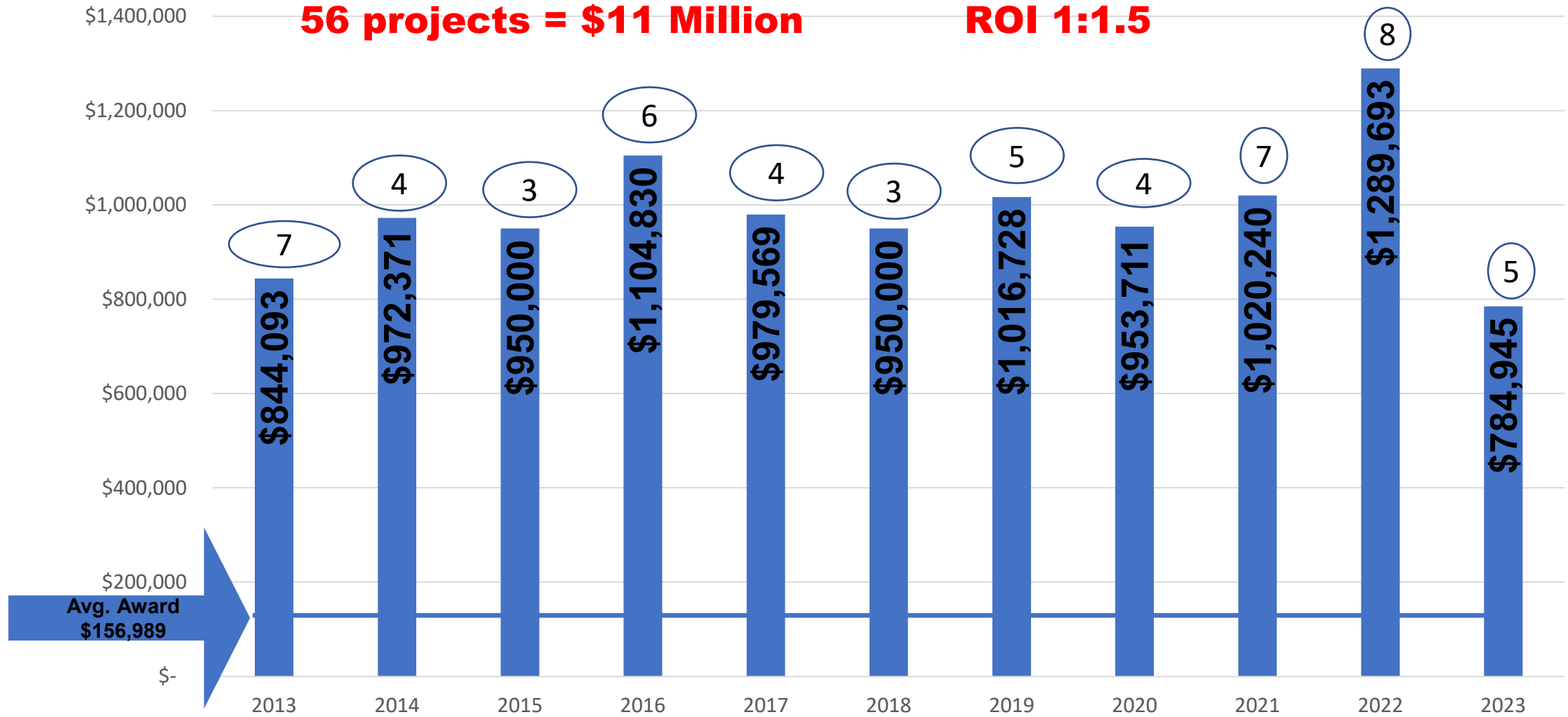
- **Research to be conducted**
- **Viable technology to be commercialized**
- **Industry partnership with BSU, ISU, or UI**
- **Economic Impact to Idaho**
- **Financial Contribution/Match by Industry Partner**

# IGEM – FAQs

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- \$1 Million in annual funding
- Grant awarded to the University (BSU/ISU/UI)
- Non-dilutive funding
- Grants: \$46,000 to \$498,000
- Duration: 1 year to 18 months
- Industry Partner investment/match
- Funds efficacy testing, design, development, prototyping, supplies, equipment, etc.
- Commerce can connect Industry with University OR Connect University to Industry
- Idaho businesses receive preference
- IGEM Council renders funding decisions

# IGEM Program Summary to Date



# IGEM Projects FY13 to FY21

PROJECT NAME	SCHOOL	COLLEGE
AQUATIC ANIMAL PROBIOTIC (2013)	UI	NAT RESOURCES
HIGH SPEED DIGITAL PACKAGE (2013)	UI	ENGINEERING
MICROBIAL CALCITE PRECIPITATION (2013)	UI	MISC SCIENCE
PESTICIDE APPLICATION TECH SYSTEM (2013)	UI	AGRICULTURE
E.COLI DETECTION (2013)	UI	AGRICULTURE
ANTICANCER AGENTS (2013)	BSU	MISC SCIENCE
NANOFABRICATION SUPPORT (2013)	ISU	ENGINEERING
CANINE IMPLANT (2014)	BSU	ENGINEERING
2E-HEXENAL FUNGICIDE (2014)	UI	AGRICULTURE
SURFACTANT SOLUTIONS (2014)	BSU	MISC SCIENCE
RISE ANALYTICS (2014)	ISU	ENGINEERING
NEW TECH: WATER NEXUS (2015)	UI	AGRICULTURE
DATA ANALYTICS FOR PRECISION AG (2015)	BSU	ENGINEERING
PRECISION AG WITH UNMANNED AIRCRAFT (2015)	ISU	TECHNOLOGY
TECH DEVELOPMENT FOR UAS PRODUCTS (2016)	UI	NAT RESOURCES
SENSOR ADAPTER OF M2M MARKET (2016)	BSU	ENGINEERING
SMART RAISED PAVEMENT MARKERS (2016)	UI	ENGINEERING
ANKLE ROLL GUARD (2016)	BSU	MISC SCIENCE
6,000 WATT GALLIUM INVERTER (2016)	UI	ENGINEERING
AQUATIC ANIMAL PROBIOTIC #2 (2016)	UI	NAT RESOURCES

PROJECT NAME	SCHOOL	COLLEGE
FLEXIBLE SENSORS & HUMIGATOR (2017)	BSU/ISU	ENGINEERING
SPECTROSCOPIC REFLECTOMETER (2017)	BSU	ENGINEERING
REMOSTING SENSING OF ALFALFA BLOOM (2017)	BSU	MISC SCIENCE
HOPLITE SKATE ARMOR ANALYSIS (2017)	ISU	TECHNOLOGY
MSM MICROPUMP (2018)	BSU	ENGINEERING
ALUMINUM CASK FOR SPENT FUEL (2018)	UI	ENGINEERING
A GENERAL ALL-PURPOSE GONIOMETER (2018)	BSU	ENGINEERING
AUGMENTED REALITY PLATFORM (2019)	ISU	ENGINEERING
CONVERTING WASTE TO PLANT CONTROL (2019)	UI	AGRICULTURE
WASHIE PROJECT (2019)	ISU	ENGINEERING
RNA BASED RAPID STD TEST (2019)	BSU	MISC SCIENCE
3D MANUFACTURING FOR INDUSTRIAL APPS (2019)	UI	ENGINEERING
SCALABLE MANUFACT. OF TUNABLE LASERS (2019)	BSU	ENGINEERING
FLOCK54 – U.S. SHEEP INDUSTRY (2020)	UI	AGRICULTURE
NOVEL DRONES FOR SAFETY ASSESSMENT (2020)	BSU	ENGINEERING
FREE TO FEED - TEST HUMAN MILK (2020)	UI	AGRICULTURE
MULTI-PRINTER COMPATIBLE NANOPARTICLE INKS	BSU	ENGINEERING
PEF POTATO PROCESSING ADVANTAGE (2021)	BSU	MISC SCIENCE
NOVEL METALLIC AND NANOMATERIAL COATINGS	BSU	ENGINEERING
TESTING NEW MANUFACTURING METHODS OF NATURAL FIBER INSULATION BATTs (2021)	UI	ARTS & ARCHITECTURE

# IGEM – Industry Partners

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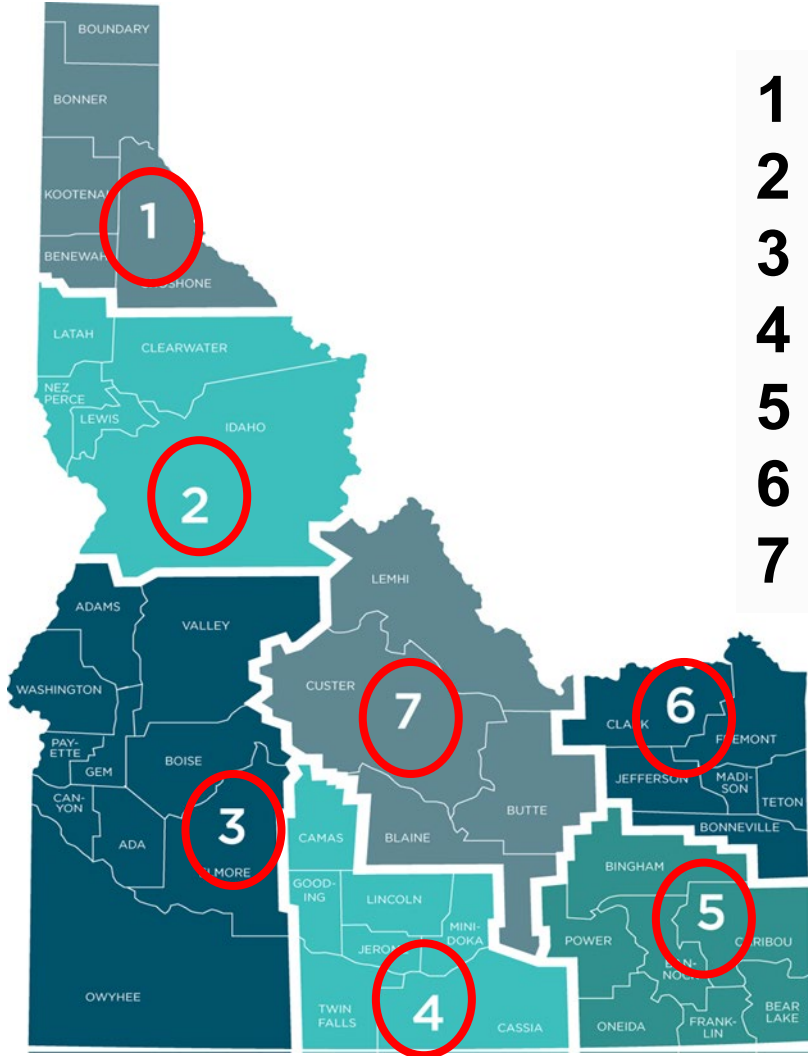
FOOD PHYSICS™



Helping Parents Navigate Food Allergies



# IGEM – Industry Regional Impact



**1 = Empire Unmanned, Blue Water Tech**

**2 = BioCement Technologies, Avista**

**3 = Micron, Pitch Aeronautics, Simplot**

**4 = GenZ, Southern Fab. Works**

**5 = Inergy, Washie, On Semiconductor**

**6 = Anheuser Busch, Potandon Produce**

**7 = Hempitecture**

# IGEM – Boise Entrepreneur Week, IEC, ITC





# IGEM – Elevate Idaho & SBIR



WINNER OF XTECHSBIR CLEAN TECH


**INERGY**  
Inergy

Ruggedized and Modular Power Generation System to Enable  
Contingency Basing Operations  
Focus Area: Clean Energy Storage

[View Company Website](#)



# IGEM – International Impact



NBC  
**NIGHTLY NEWS**  
WITH LESTER HOLT

WATCH FULL EPISODES

FOLLOW NIGHTLY [f](#) [t](#) [e](#) [Sponsored By](#) [MORE](#)

**International competition with \$10m prize hopes to solve water runoff problem**

SUN, MAY 06

Nine international teams are trying to find a solution to harmful algae blooms caused by agricultural runoff in a competition with big environmental implications.

SHARE VIDEO [f](#) [t](#) [e](#) [</>](#)

**\$10 MILLION PRIZE FOR TEAM THAT SOLVES WATER RUNOFF PROGRAM**

<https://www.nbcnews.com/nightly-news/video/international-competition-with-10m-prize-hopes-to-solve-water-runoff-problem-1227000899955>

# IGEM.IDAHO.GOV – Program Microsite



[APPLY FOR FUNDING](#) [RESOURCE MAP](#) [FAQS](#)



**IGEM**

**INNOVATION. INVESTMENT. IDAHO.**

[Apply](#) for an IGEM grant today and turn your business dreams into reality.

# IGEM.IDAHO.GOV – Program Microsite



## APPLICANTS WANTED

### Interested in applying for an IGEM grant?

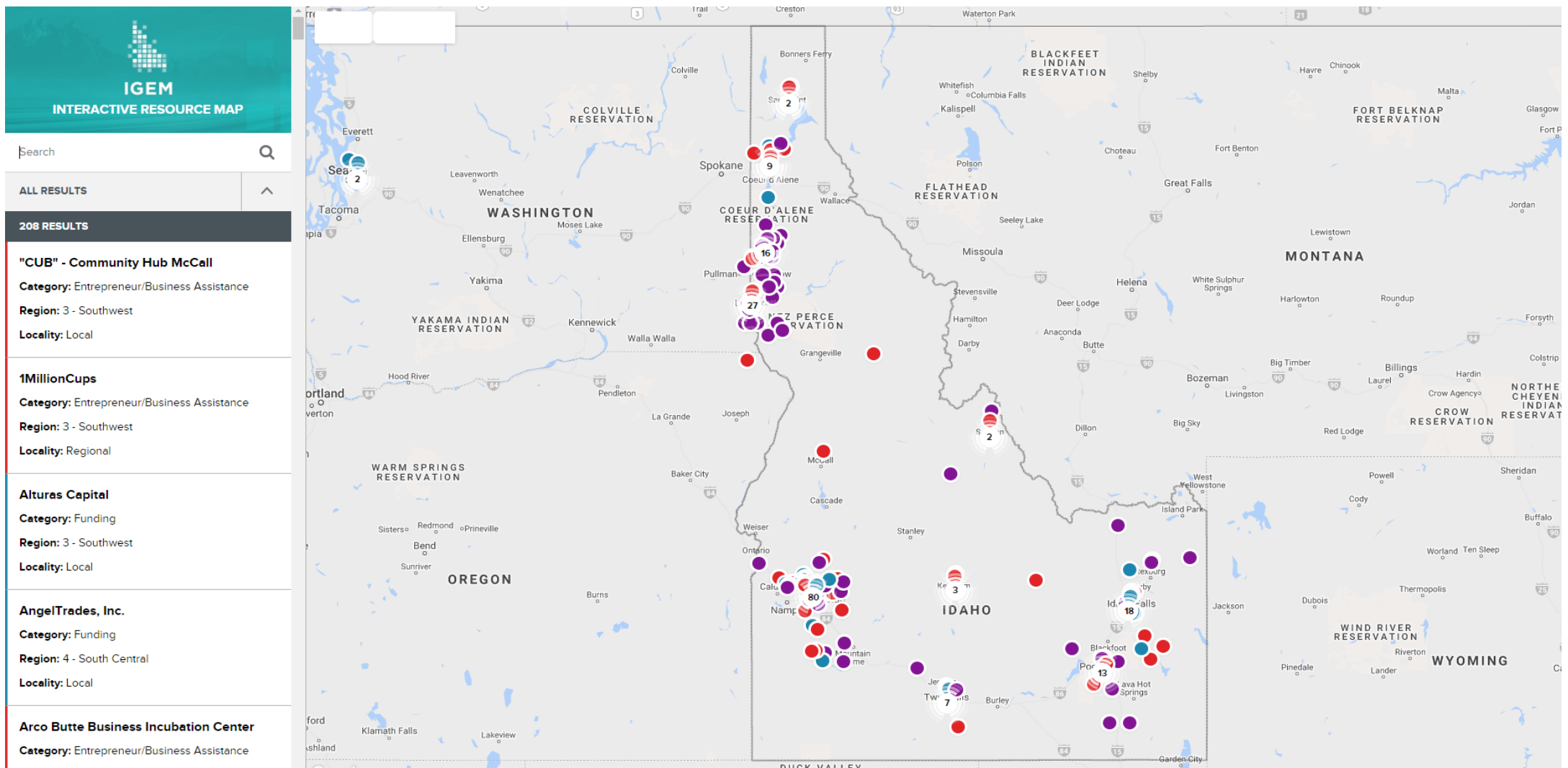
If your idea or product would benefit from grant funding for research conducted at an Idaho university, your research partner should follow the steps below in sequential order to apply online for an IGEM grant.

### Next Steps

When applying for IGEM grant funding, you'll need to submit the following online:

- 1 Download and preview the application. This will assist you in preparing your online submission.  
[Download FY22 Application](#)
- 2 Next, ensure you have an industry & university partnership. If you need help in finding a university or industry partner, contact Carmen Achabal at Idaho Commerce.  
[Email Carmen](#)
- 3 Download the IGEM PowerPoint Template. You will upload this document as part of the online submission process in step number 8. Your PowerPoint will be presented to the IGEM Council if your project is selected for advancement in the selection process.  
[Download PowerPoint Template](#)
- 4 Download the IGEM Budget form. You will upload this document as part of the online submission process in step number 8. This form provides the IGEM Council with an explanation of anticipated expenses that total your requested grant amount.  
[Download Budget Template](#)

# IGEM.IDAHO.GOV – Idaho Resource Map



# IGEM.IDAHO.GOV – Idaho Resource Map

The screenshot displays the IGEM Interactive Resource Map interface. On the left, a teal header contains the IGEM logo and the text 'INTERACTIVE RESOURCE MAP'. Below this is a search bar with 'Legal' entered. A 'SEARCH RESULTS' section shows '2 RESULTS'. The first result is 'UI - College of Law: Entrepreneurship Law Clinic' with details: Category: Entrepreneur/Business Assistance, Region: 3 - Southwest, Locality: State. The second result is 'UI - College of Law: Patent Pro Bono Program' with details: Category: Entrepreneur/Business Assistance, Region: 3 - Southwest, Locality: State. Below the search results are filter sections for 'Resource Types', 'Resource Visibility', and 'Locality', each with an information icon and a dropdown arrow. At the bottom left are 'CLEAR ALL' and 'APPLY FILTERS' buttons, and a 'SUGGEST A NEW RESOURCE' button.

The main content area features a red header for the selected resource: 'UI - College of Law: Patent Pro Bono Program'. Below the header, it lists: Category: Entrepreneur/Business Assistance, Locality: State, Region: 3 - Southwest, and a 'VIEW WEBSITE' button. The 'RESOURCE DESCRIPTION' section contains the text: 'The Patent Pro Bono Program, offered through the UI College of Law connects licensed patent attorneys with qualifying small businesses, as a way for the attorney to fulfill his/her ethical duty to provide pro bono (free of charge) legal services to the community. These services are limited in scope to the patent process.' Below the text is a landscape image of mountains.

At the bottom of the main content area is a navigation bar with 'CONTACT US', 'IDAHO.GOV', and 'PRIVACY & SECURITY' links. Below this is a map of Idaho with a red pin on Boise. The map also shows parts of Oregon, Montana, and Wyoming, with various cities and landmarks labeled.

# ID Commerce, IGEM Program, Resource Map

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## 1. Idaho Commerce

- Mission – Lead Economic Agency
- Assistance - Retention, Expansion, International, Incentives

## 2. Idaho Global Entrepreneurial Mission

- Commercialization Grants for New Technologies
- Networking - Matching Need to Resource
- Partnerships – SBIR/Elevate Idaho, BEW, IEC, etc.

## 3. Idaho Resource Map

- Business Assistance, Funding, and Research
- 200+ Resources Across the State



# IGEM – COMMERCE CONTACT

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**<https://igem.idaho.gov>**