



Item: AS: I-3

COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS

Tuesday, February 14, 2023

SUBJECT: REPORT ON RESEARCH

PROPOSED COMMITTEE ACTION

No action is necessary. This item is only informational.

BACKGROUND INFORMATION

Dr. Daniel Flynn, Vice President for Research, will give a general update on the Division of Research, with a focus on opportunities for expanded federal engagement.

IMPLEMENTATION PLAN/DATE

N/A

FISCAL IMPLICATIONS

N/A

Supporting Documentation: PowerPoint Presentation

Presented by: Dr. Daniel Flynn, VP for Research

Phone: 561-297-0268

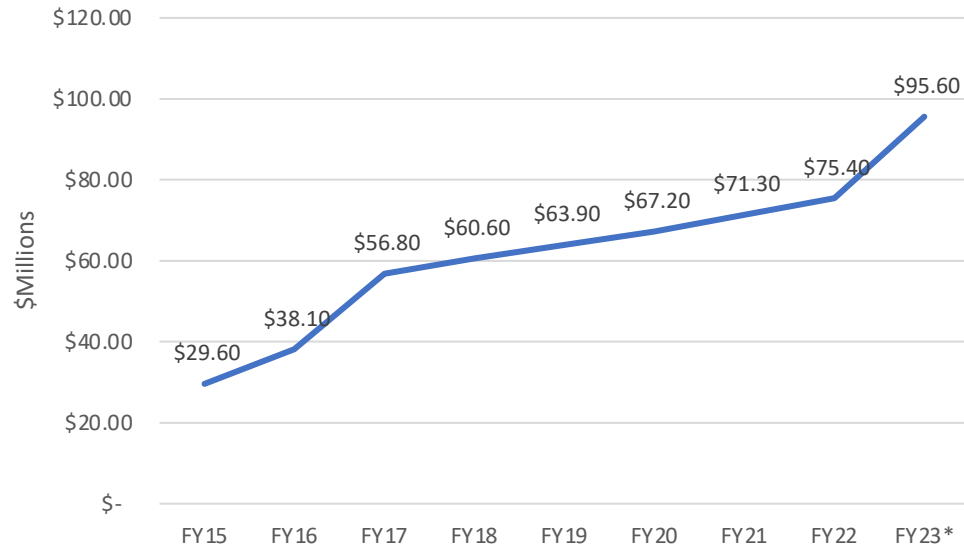


DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

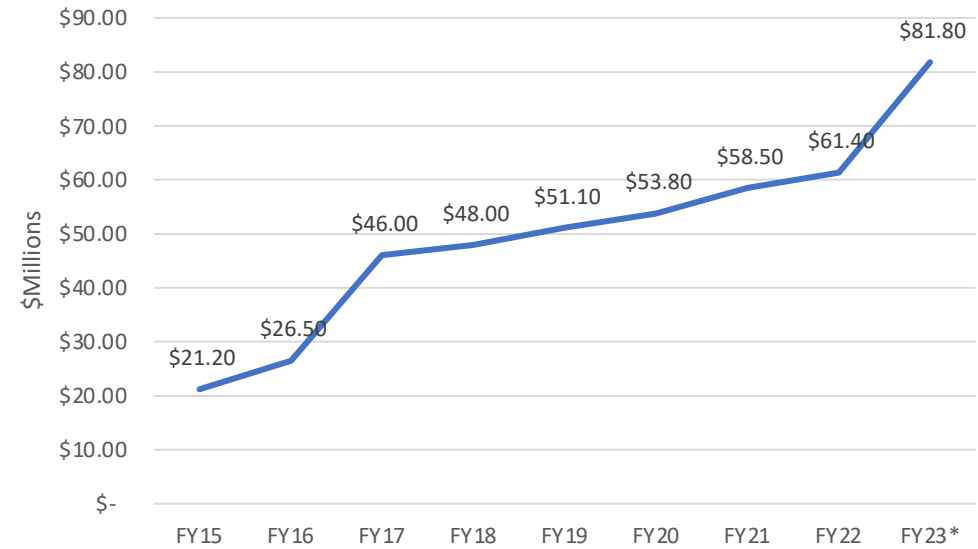
FAU Board of Trustees
FY23 Mid-Year Report – Division of Research
Dan Flynn, Ph.D.
Vice President

Total and NSF HERD Grant Expenditures

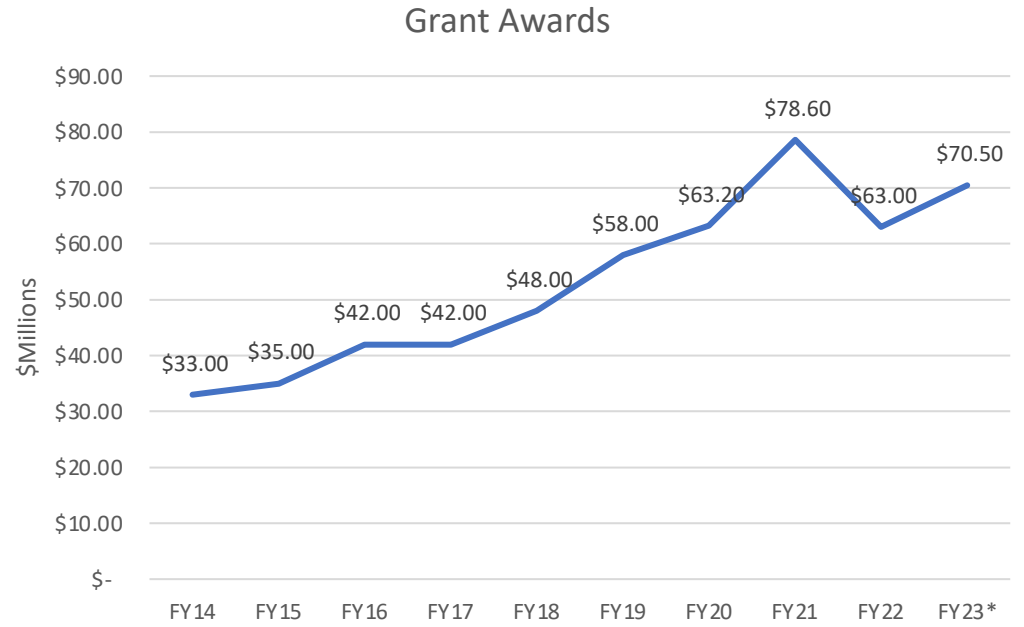
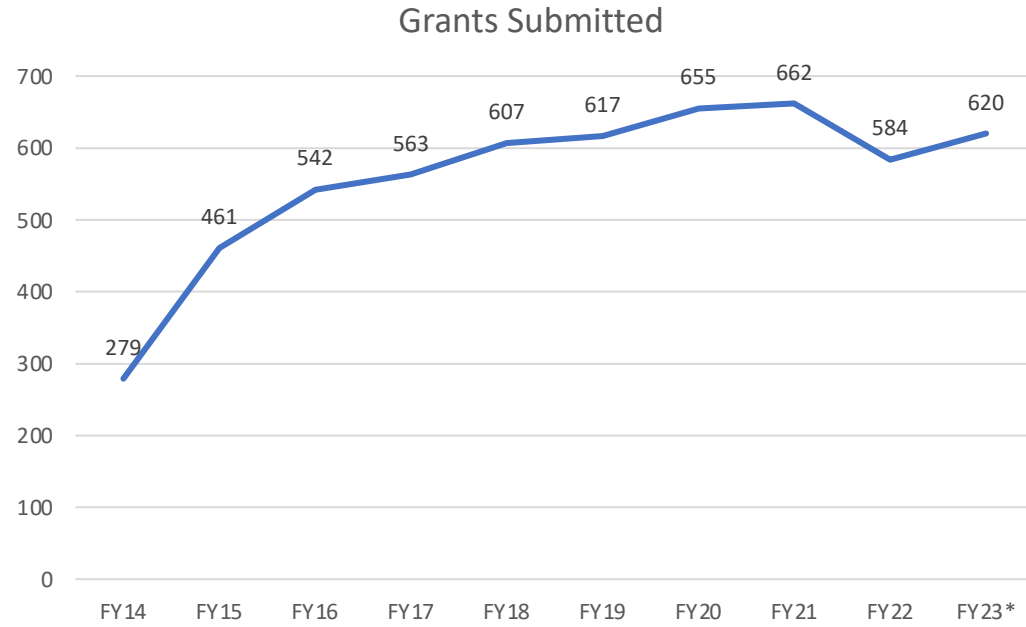
Total Grant Expenditures



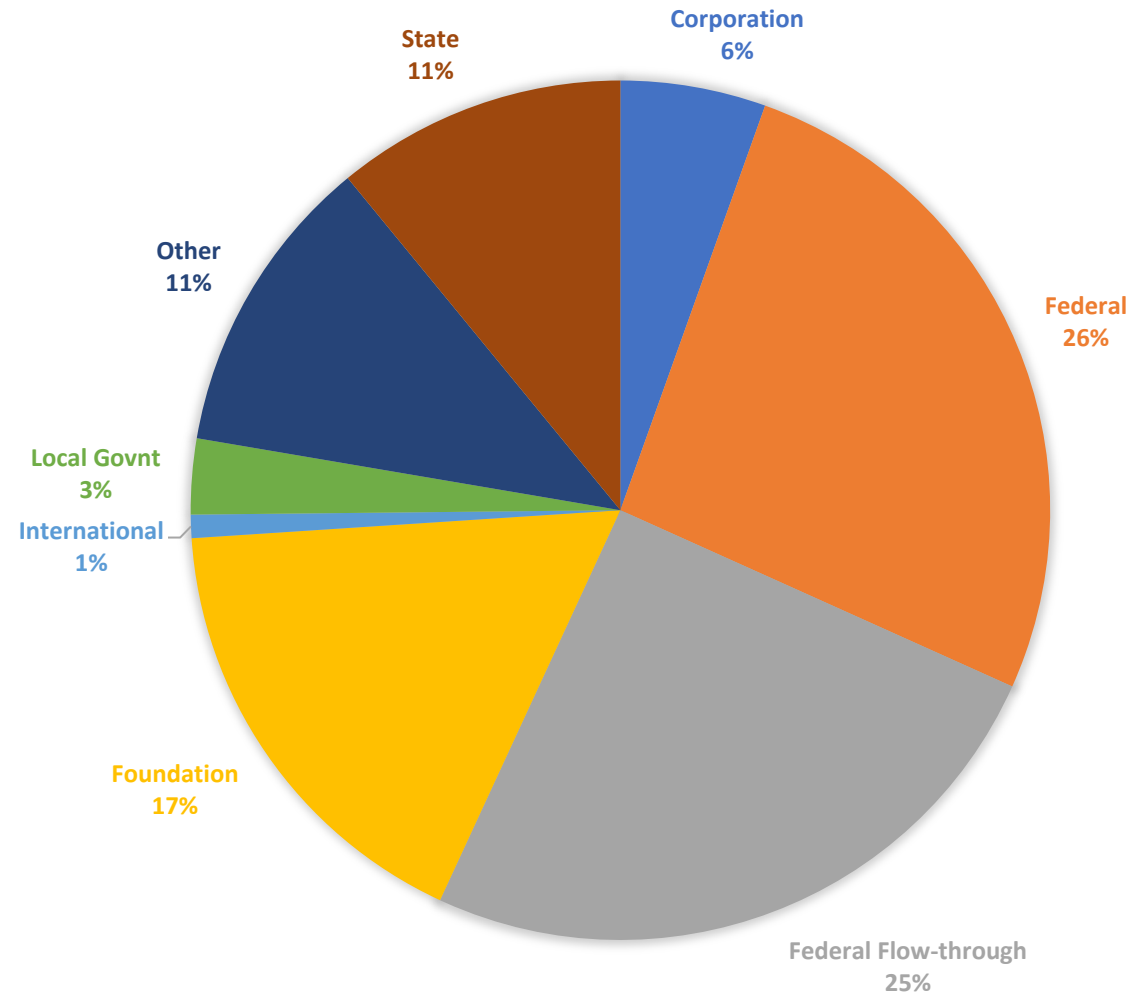
NSF HERD Expenditures



Grants Submitted, Awards Received



FY22 AWARD SPONSOR TYPE



Federal Lobbying: plus-ups/and directive language that benefit FAU: \$60.2M in Contracts.

1. Persistent Maritime Surveillance (ONR) - **\$35M**. \$15M is currently under contract at HBOI.

2. SNMREC Offshore Current Test Facility Development (DOE WPTO) – Up to **\$10M**. DOE FOA for initial planning released on Q2/2023.

3. SNMREC Infrastructure and Foundational Research - **\$2M** currently under contract. DOE FOA expected Q2/2023.

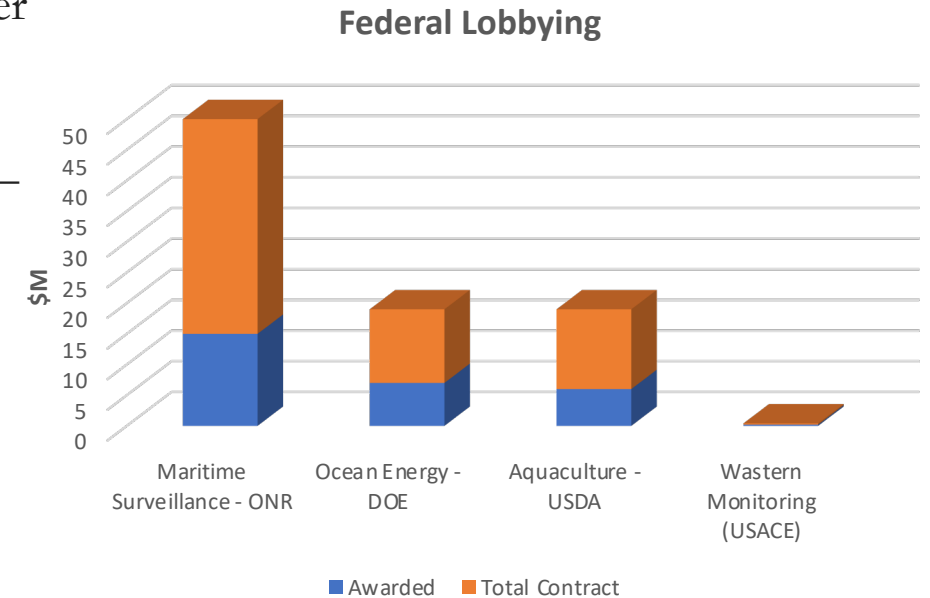
4. Warm Water Aquaculture (USDA) - **\$13M**. \$6M is currently under contract.

5. I-SENSE Waste Monitoring R&D (USACE ERDC) **\$200K** under contract

Pending:

6. Mesonet – Favorable language “prioritizing high risk areas and equitable geographic distribution.” - NWS

7. HAB – Favorable language “Further research should prioritize development of methods of prevention, mitigation, and control to reduce the frequency, severity, and impacts of HAB events in freshwater and saltwater systems and provide special attention to research in areas most economically and environmentally impacted by HABs, including the possible contamination of drinking water.” - - NOAA





P3 *Action* Report

Defense

- L3 Harris
- Raytheon
- Boston Engineering

Aquaculture

- Zeigler Bros.
- Sea Ventures
- Pebble Labs

Health Science

- Memorial Health System
- ThermoFisher
- Nikon Center of Excellence

Engineering & Comp. Science

- SBA Communications
- OPSolutions
- K-Rain



DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

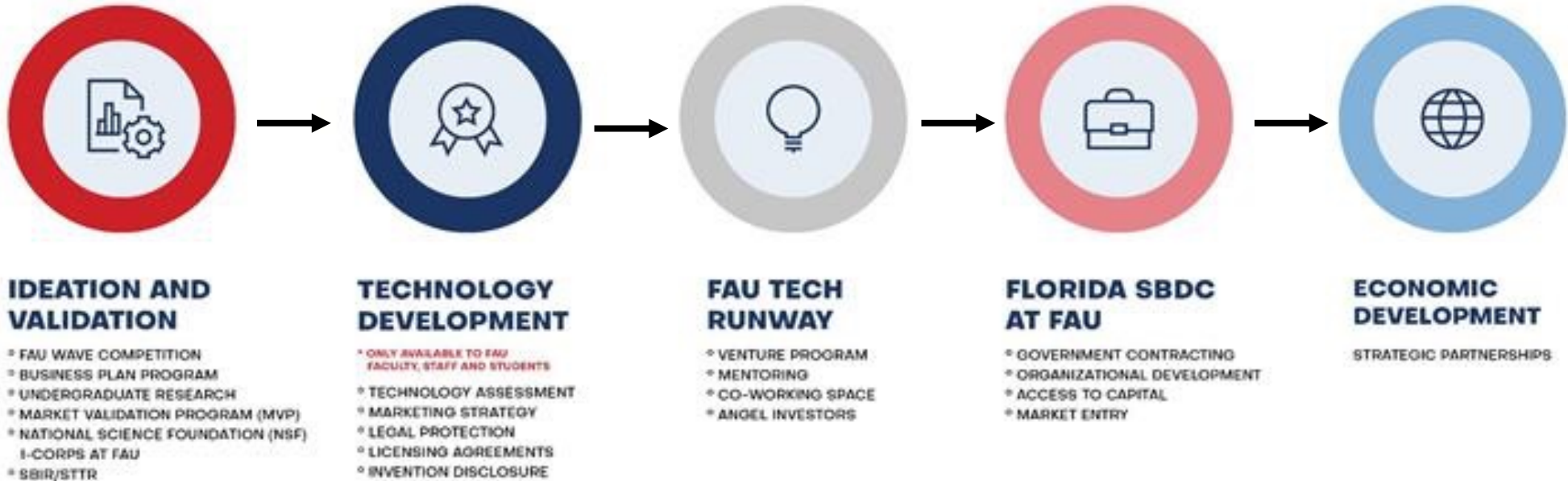
Translating Research to
Entrepreneurship and *Economic Development*



DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

FAU DIVISION OF RESEARCH

FAU INNOVATION AND BUSINESS DEVELOPMENT



A continuum: Research to Entrepreneurship to Economic Impact



DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

FAU *WAVE*

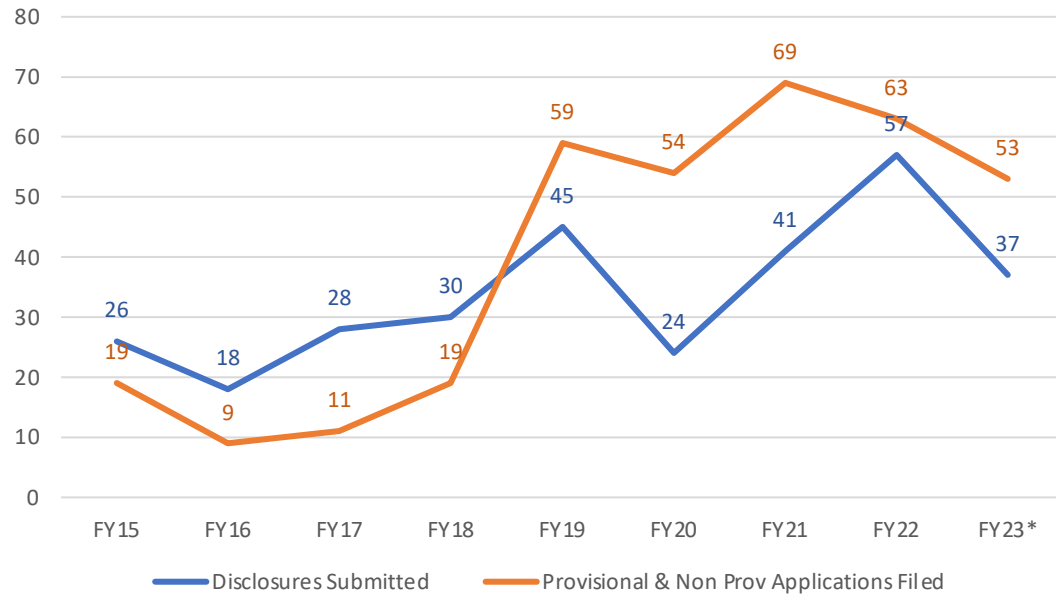
Supported **180** student entrepreneurs since FY16

19 students accepted into Tech Runway for their student startups

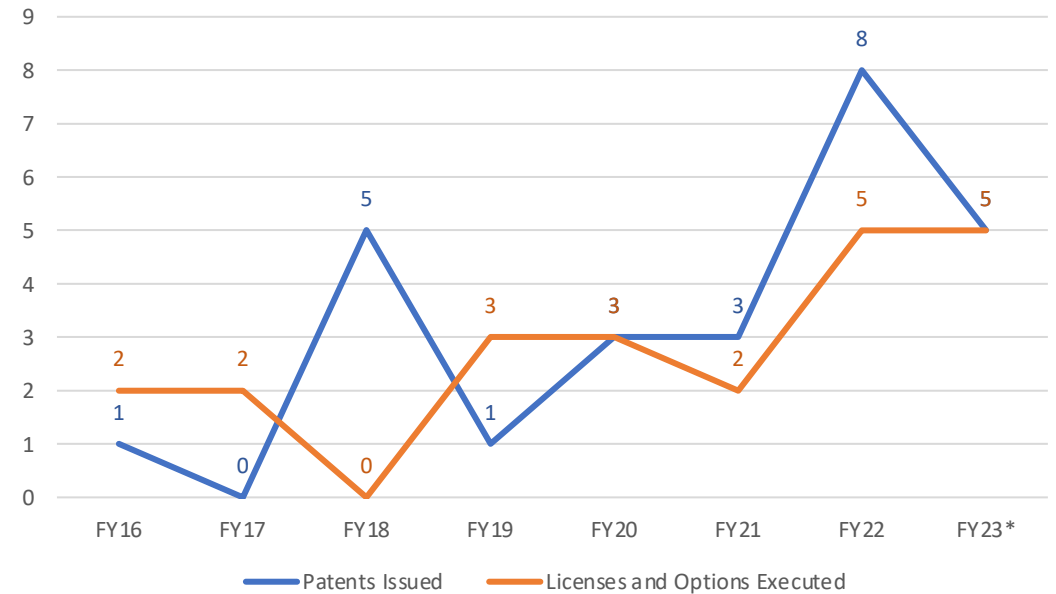
Some of the **19** students have competed for cash prizes and collectively won over **\$150,000** in pitch competitions around the state of Florida

Intellectual Property Activity

Disclosures & Patent Applications



Patents Issued and Licenses



FAU Tech Runway

OUR ENTREPRENEURS' SUCCESS



\$278.6M

Revenue
Generated



\$140.1M

Capital Raised



258

Internships



720

New Jobs



135

Patent
Applications

*Oct. 2014 - Sept. 2022



Active Student Companies

ShipMonk

- Jan Bednar
- Shipping, packing, Import/Export

HonorLock

- Adam Roth, Elena Soboleva
- System Security for online tests

Spods

- Paris Prince
- Disposable, dry hand sanitizers

Fitoven

- Brandon Feinstein
- Healthy food vending machines

Marine Connex

- Aiden Natalie
- “angie’s list” for Marine industry

Pet Health

- John Thomerson
- Devices for elderly or handicapped pets



Active Faculty Companies

BiuWave

- Oscar Curet
- Autonomous Underwater Vehicles

Extreme Comms Lab

- Dimitris Pados/George Sklivanitis
- Underwater WiFi

PQ Secure Technologies

- Reza Azarderakhsh
- Security systems for quantum computing

e-Spectoco

- Jason Hallstrom
- Ag monitoring products and forecasting services

MMP Biopharma

- Gregg Fields
- Therapeutic strategies intended to cure osteoarthritis

Videopura

- Hari Kalva
- Video services with tech to reduce bandwidth needs for video services

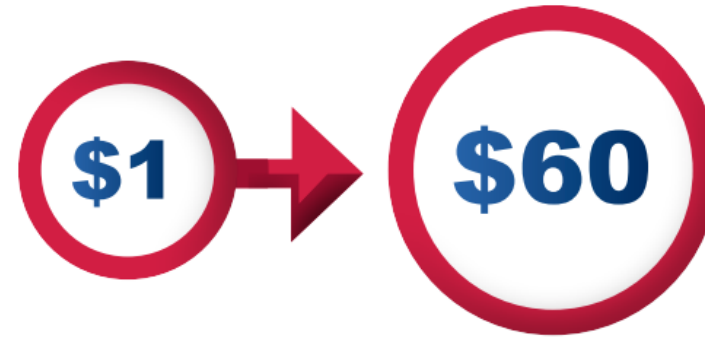


DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

FLORIDA SBDC AT FAU



For every state \$1 invested in the Florida SBDC,
\$60 is returned to the state in tax revenue.²



Report: Businesses with Sessions and Milestones

FAU Regional Impact - All Consultants

Unique Business Name	Total Total Session Time (C&P)	Total Sales Increase	Total Capital Formation	Total Jobs Created	Total Jobs Retained	Total Government Contracts Total	Total Started Business
21,846	182,500.77	520,961,869.99	\$426,898,719.65	6,027	8,241	\$442,642,049.50	1,265

- 2-Time Award Winner – SBDC of the Year 2022 and Florida SBDC Network Award SBDC of the Year 2021
- National Leader and Liaison of the Small Business Network of the Americas – US Department of State
- 500+ Community members and 15 organizations supported by social innovation and grassroots program



DIVISION OF RESEARCH
FLORIDA ATLANTIC UNIVERSITY

Thank you for your support!