Investments from TRIF have driven many of NAU’s successes, in synergy with other university initiatives.

- **Legislative Mandate**: “TRIF monies will be used to support … university research, development, and technology-transfer related to the knowledge-based global economy, … expand baccalaureate and post-baccalaureate education, … develop programs that prepare students to contribute to high technology industries located in Arizona.”

- **NAU Goals and Philosophy**: Use TRIF to move research, scholarship, and creative activities forward as they integrate with and support education, experiential learning, workforce development, and public service.
Where Does NAU Invest TRIF?

Build research success around our “Core” WEES, iHealth, AWD, Space, with growing synergy from National Security

<table>
<thead>
<tr>
<th>Research and Technology</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEES</td>
<td>$14.5M</td>
<td>(33%)</td>
</tr>
<tr>
<td>iHealth</td>
<td>$11.9M</td>
<td>(27%)</td>
</tr>
<tr>
<td>National Security</td>
<td>$10.4M</td>
<td>(24%)</td>
</tr>
<tr>
<td>Space</td>
<td>$7.2M</td>
<td>(16%)</td>
</tr>
<tr>
<td>Access &amp; Workforce Development</td>
<td>$23.2M</td>
<td>(35%)</td>
</tr>
</tbody>
</table>
TRIF Return on Investment

Ten-year progress

- Research expenditures: $29M in FY10 → $59M in FY19
- $82M in TRIF investment compared to $383M in NSF expenditures
  - Expenditures have risen 105% over this time (national average is 36%)
  - Return on investment of 312%
- Patents/year: 2 → 17
- Supported 69 degree and certificate programs in high-demand fields
- Propelled NAU into the top 200 research universities and top 100 public universities without a medical school

TRIF funding has supported:

- 62 faculty hires
- 275 undergraduates/year
- 117 graduate students/year
- 48 postdocs/year

Workforce development efforts have resulted in:

- 4,500 students served/year
- 81 degrees and certificates offered
TRIF at NAU Promotes Ideas, Fosters Engagement, and Changes Lives

NAU will invest in our core strengths to explore and expand interdisciplinary collaborations

WEES: Predicting the Impact of a Changing Environment on Natural Resources

With expertise in ecology, environmental sciences and informatics, NAU will lead the use of advanced remote sensing to monitor forest health

iHealth: Tracking Infectious Disease to Improve Community Health

With world-class expertise in infectious disease genomics and health disparities, NAU will engage and inform communities

NSS: Employing Data Science for a Secure Future

Advanced computing with real-time data on essential resources, NAU will be a leader in supply chain management
TRIF at NAU Promotes Ideas, Fosters Engagement, and Changes Lives

Space: Exploring New Frontiers
Leveraging a bolstered program, NAU will head an exploratory mission to a distant object.

AWD: Training Arizona’s Workforce of the Future
With a network of statewide and online offerings, NAU will continue to provide exceptional training in high-demand fields.

Improving Access to Technology for Arizonans
NAU will use TRIF to expand E-learning and laboratory infrastructure.
TRIF Fuels Educational Goals at NAU

TRIF funding propels the high-quality learning experience for which NAU is renowned:

- **3,000 students participate in research** and internships annually
- **~ 600 students are supported** on sponsored projects, more than 400 on TRIF projects
- **>60% of faculty are involved in research**, scholarship, or creative activities
- **Research active faculty average >35% effort to student service activities**