

Ohio Third Frontier Commission Meeting

March 22, 2018



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Innovation Creating Opportunity

Technology Initiative

Seven awards made in
December 2017

Agreements being executed,
work underway

Connecting companies to
resources in Ohio



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Using Technology to Combat Opioid Problem

[Click here to launch video](#)

Technology Challenge

Idea Phase: Top ideas announced in January

- Risk assessment, neurofeedback therapy, AR- and VR-based rehab and intervention, digital therapeutics
- Other ideas being shared and considered

Challenge Phase: Launched in Feb.

- 4 challenges
- Up to 12 semifinalists to be announced in September (\$200K)

Product Phase: Sept. 2018 – Aug. 2019

- Semifinalists compete for 4 awards (\$1M+)



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Ohio Opioid Technology Challenge

Join Ohio in advancing innovation to combat the opioid crisis

The Challenge is a three-phase, prize-based competition to find technology-based solutions that address or improve opioid abuse prevention, treatment and overdose avoidance and response.

The second phase consists of four **Challenge Topics** that address specific unmet needs. Click on the icons below to learn more:

Diagnose



Topic 1: Rapidly Identify Individuals at High Risk of Addiction. [Learn More>>](#)

Prevent



Topic 2: Eliminate or Reduce Urges, Cravings, or Symptoms of Withdrawal. [Learn More>>](#)

Connect



Topic 3: Provide Immediate and Extended Access for Relapse or Overdose Interventions. [Learn More>>](#)

Protect



Topic 4: Protect First Responders and Medical Professionals from Inadvertent Exposure to Toxic Opioid Levels. [Learn More>>](#)



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Fellows Grant Program Update



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Venture for America

Program overview and
OTF involvement

2017 Ohio cohort and
2018 selections

Growth and regional
expansion



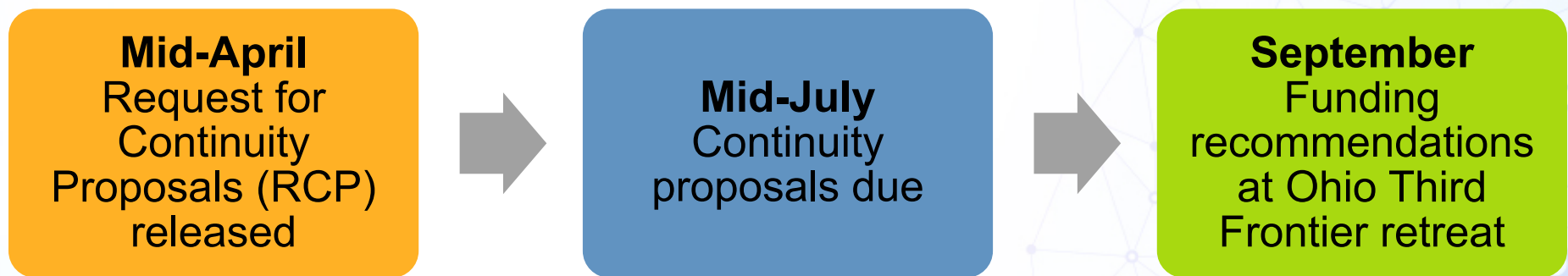
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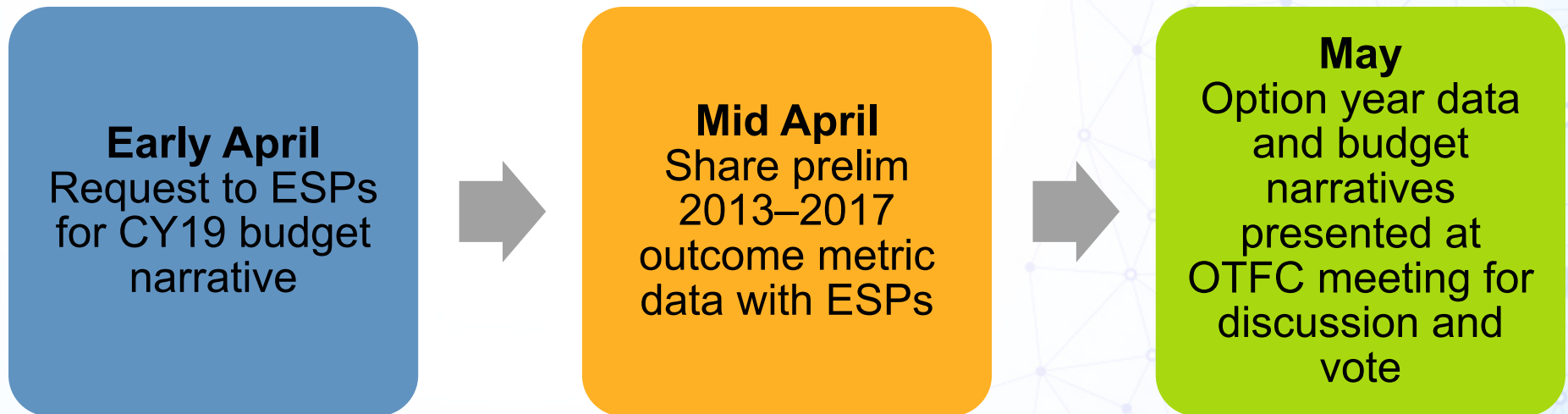
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ESP Program 2019 Continuity Plan

Continuity: West Central/Northwest



CY19 Option Year: SW, SE, NE, C



Technology Validation & Start-Up Fund

Technology Validation & Start-up Fund Program

Lead Applicants/Phases

- Phase 1: Ohio research institutions with sufficient internal deal flow to support a multitude of projects. Awards range from \$200,000-\$500,000 with 1:1 cash cost share.
- Phase 2: Ohio start-ups and young companies that are a prospective licensee of a technology from an Ohio institution. Up to \$100,000 (or \$150,000 if in MedTech) as initial capitalization with no cost share.

External Evaluator: Quantum Commerce

Technology Validation & Start-up Fund Program

16th Cycle of the TVSF program to date:

	Proposals	Awards*
Phase 1: Track B	17	17
Phase 2	214	79

*Includes 11 recommended for award this cycle

Phase 1 Progress

To date, **77** Phase 1 complete.

\$3,732,800 Awarded

\$3,594,000 Spent

59 Not Yet
Licensed

**12 of which have
progressed to Phase 2**

15 Licensed
To Startup

3 Licensed To
Non-Startup



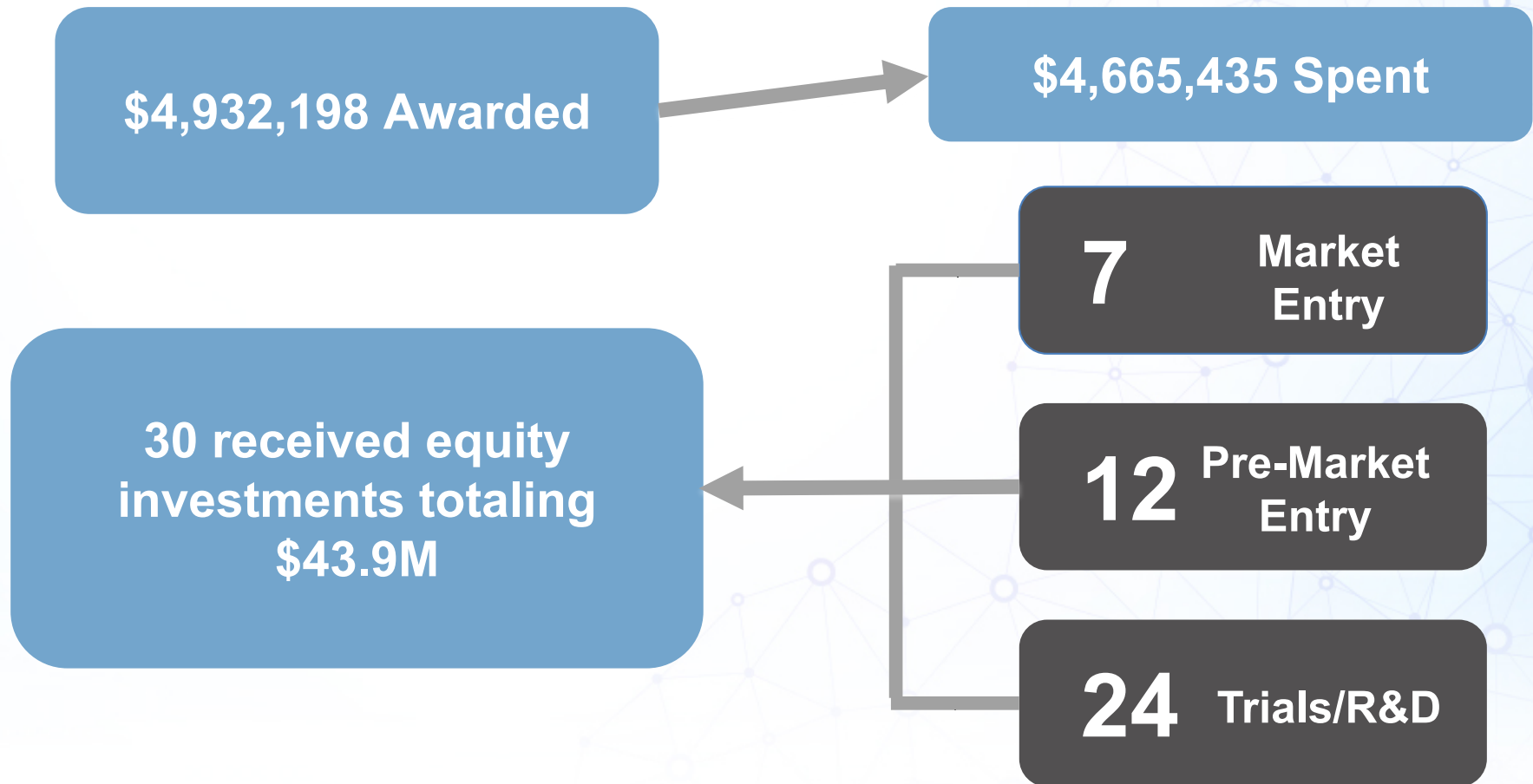
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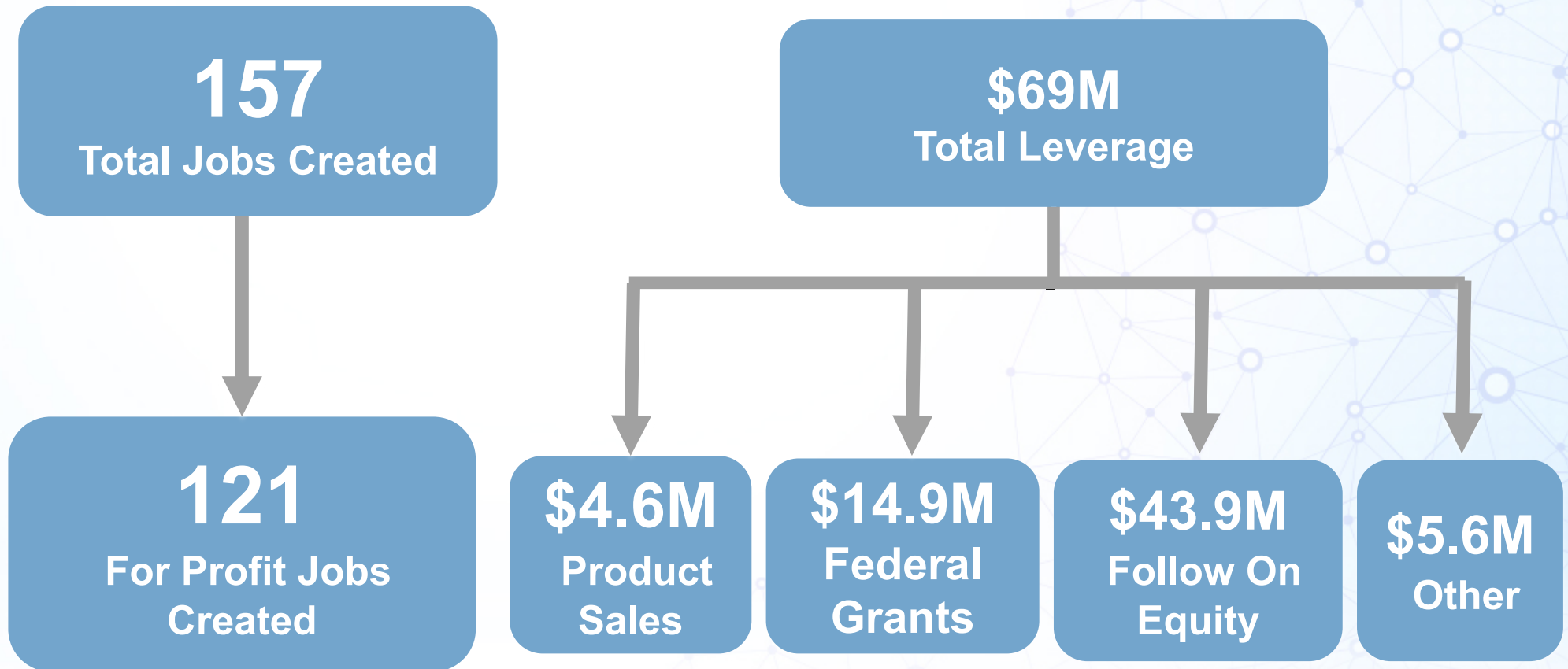
Phase 2 Progress

To date, **43** Phase 2 complete.



Overall Metrics

Across the entire program: 148 Projects Reporting



Technology Validation & Start-up Fund Program Request for Proposal (Rounds 17–19)

RFP Released: April 6, 2018

Round 17

- Written Questions: accepted through June 15, 2018
- Proposals: due by 2:00 p.m., June 22, 2018
- Awards: approximately September 2018

Round 18

- Written Questions: accepted through September 17, 2018
- Proposals: due by 2:00 p.m., September 24, 2018
- Awards: approximately December 2018

Round 19

- Written Questions: accepted through December 14, 2018
- Proposals: due by 2:00 p.m., December 21, 2018
- Awards: approximately March 2019



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OTF TVSF – ROUND 16
EVALUATOR REPORT

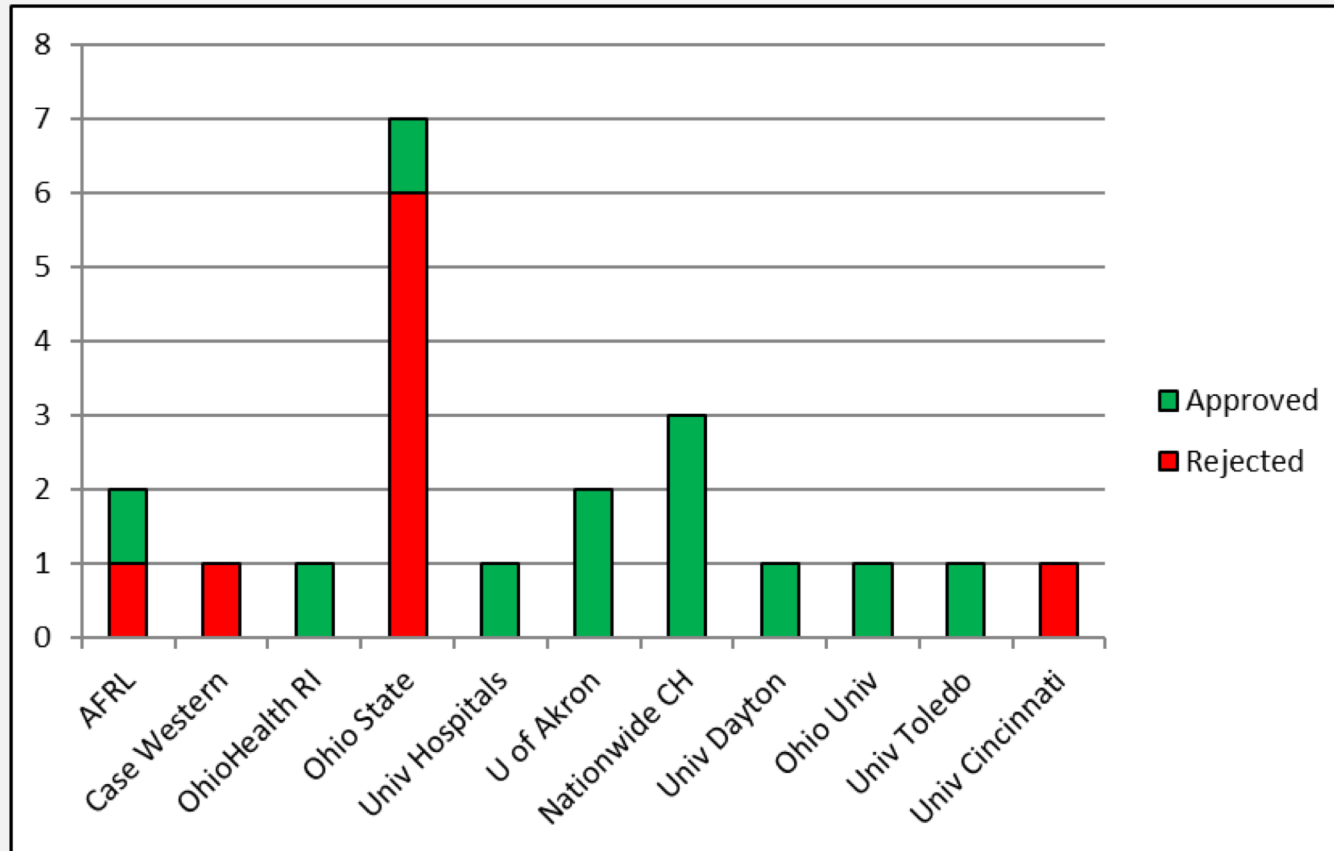
22 MAR 2018

OVERVIEW – ROUND 16

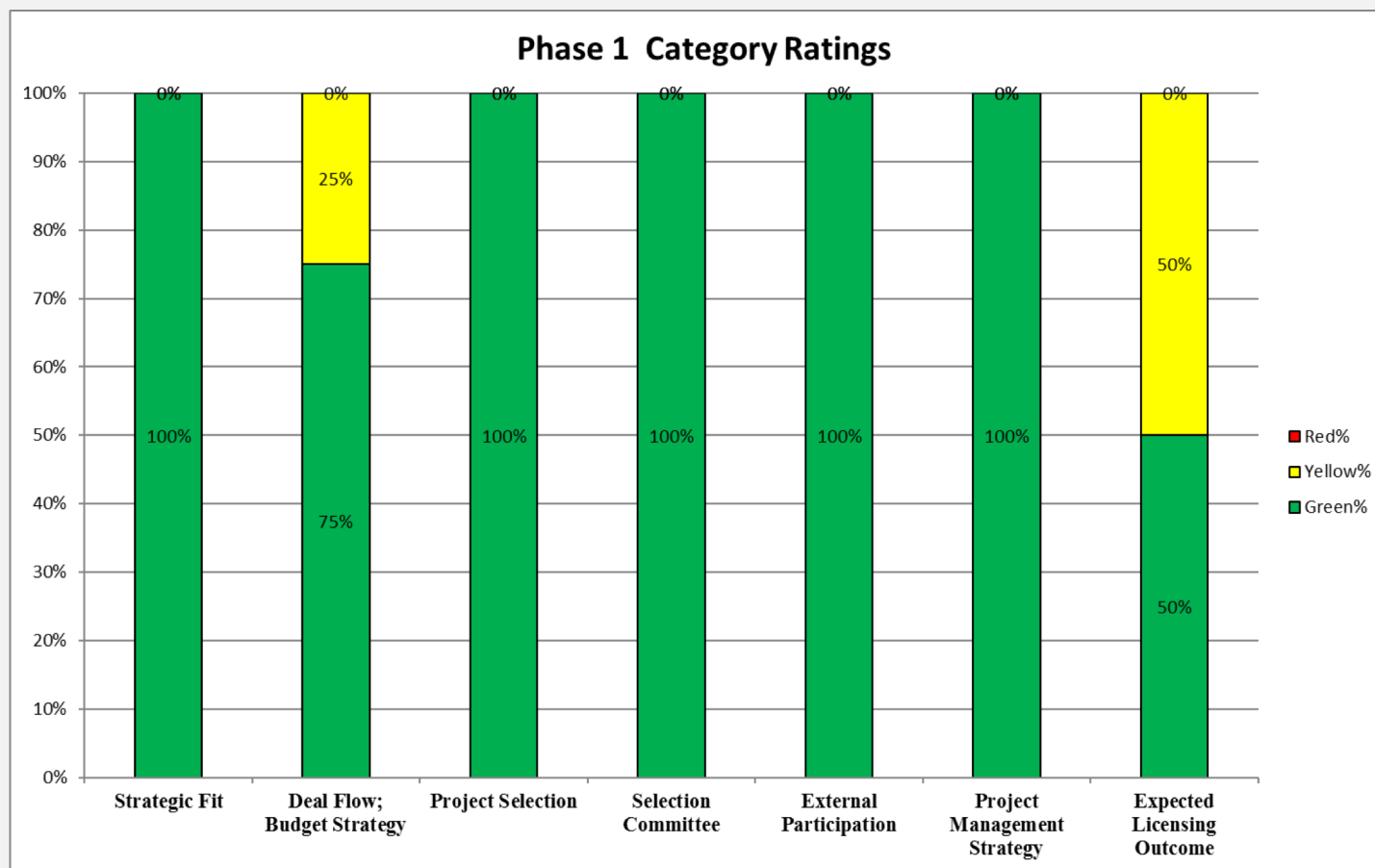
- 11 of 21 proposals submitted this round are recommended for approval. (22 submitted, 1 withdrawn)
- Total grant dollars recommended** is \$2,098,600.

Round	Approval Rate	\$\$ Recommended
1 (APR 2012)	35%	\$950,000
2 (AUG 2012)	52%	\$900,000
3 (DEC 2012)	44%	\$610,000
4 (JUN 2013)	30%	\$864,000
5 (FEB 2014)	46%	\$1,462,000
6 (JUN 2014)	39%	\$998,000
7 (OCT 2014)	57%	\$1,100,000
8 (FEB 2015)	37%	\$710,000
9 (JUN 2015)	31%	\$550,000
10 (DEC 2015)	38%	\$925,000
11 (APR 2016)	46%	\$1,239,000
12 (OCT 2016)	46%	\$3,537,269
13 (MAR 2017)	38%	\$1,567,500
14 (SEP 2017)	27%	\$498,832
15 (DEC 2017)	38%	\$2,250,000
16 (MAR 2018)	52%	\$2,098,600
Overall		\$20,260,201
Average	41%	\$1,266,263

ROUND 16 RESULTS - APPLICATIONS BY INSTITUTION



TRENDS- ROUND 16

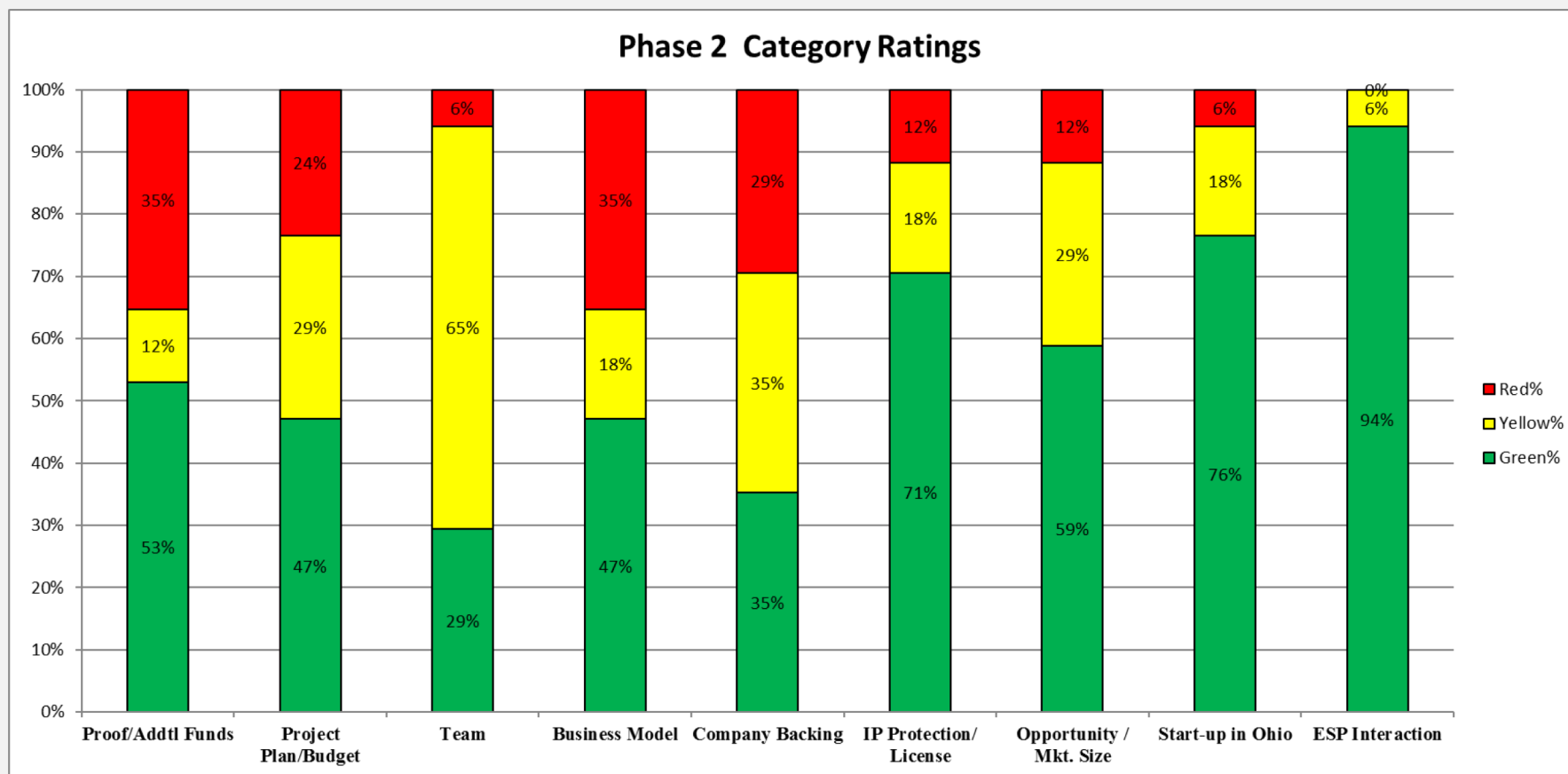


PHASE I PROPOSALS RECOMMENDED FOR FUNDING

Round 16

Proposal #	Lead Applicant	Title	State Funds Requested	Total Budget	Recommend
18-0454	OhioHealth RII	Healthcare Technology TVSF Phase 1	\$200,000	\$400,000	\$200,000
18-0455	Nationwide Childrens'	NCH TVSF Phase 1	\$200,000	\$400,000	\$200,000
18-0456	University Hospitals	UH Tech Venture Fund II	\$500,000	\$1,000,000	\$500,000
18-0457	University of Dayton/ Miami University	TVSF Phase 1 Application	\$200,000	\$400,000	\$200,000

TRENDS- ROUND 16



Quantum Commerce, LLC

PHASE 2 PROPOSALS RECOMMENDED FOR FUNDING

Round 16

PROPOSAL #	Licensing Institution	Lead Applicant	PROJECT TITLE	State Funds Requested	Total Project Budget	Recommended	Capital Raised to Date	Time to Market	Additional Capital to Market
18-0458	Research Institute at Nationwide Children's Hospital	Deep Lens	Augmented Digital Pathology Intelligence	\$148,600	\$148,600	\$148,600	\$250K	12mo	\$0
18-0459	The Ohio State University	A1 Control	Diabetes Education Simulation Platform	\$150,000	\$150,000	\$150,000	\$18.5K	12mo	\$0
18-0460	Air Force Research Laboratory	Battle Sight Tech	MARC Writing Device	\$100,000	\$100,000	\$100,000	\$80K	12mo	\$0
18-0461	University of Akron	K Medical, LLC	Wound Closure Biomaterial	\$150,000	\$150,000	\$150,000	\$100K	33mo	\$1.8MM
18-0465	Research Institute at Nationwide Children's Hospital	Thrive Neuromedical	A Sound System to Optimize Learning of Speech Sounds in Preterm Infants	\$150,000	\$150,000	\$150,000	\$0	12mo	\$350K
18-0466	University of Akron	i-imaging	Smart Goggles	\$150,000	\$150,000	\$150,000	\$0	30mo	\$1.5MM
18-0473	Ohio University	AEIOU Scientific	Validation of Cortical Bone Mechanics Technology	\$150,000	\$225,000	\$150,000	\$492K	12mo	\$300K

RESUBMISSION AND CARRY THROUGH

■ Resubmission

Round 16

• *Phase 1*

- Two of four (50%) Phase 1 proposals are resubmissions.
 - Both (100%) are Recommended for Funding.

• *Phase 2*

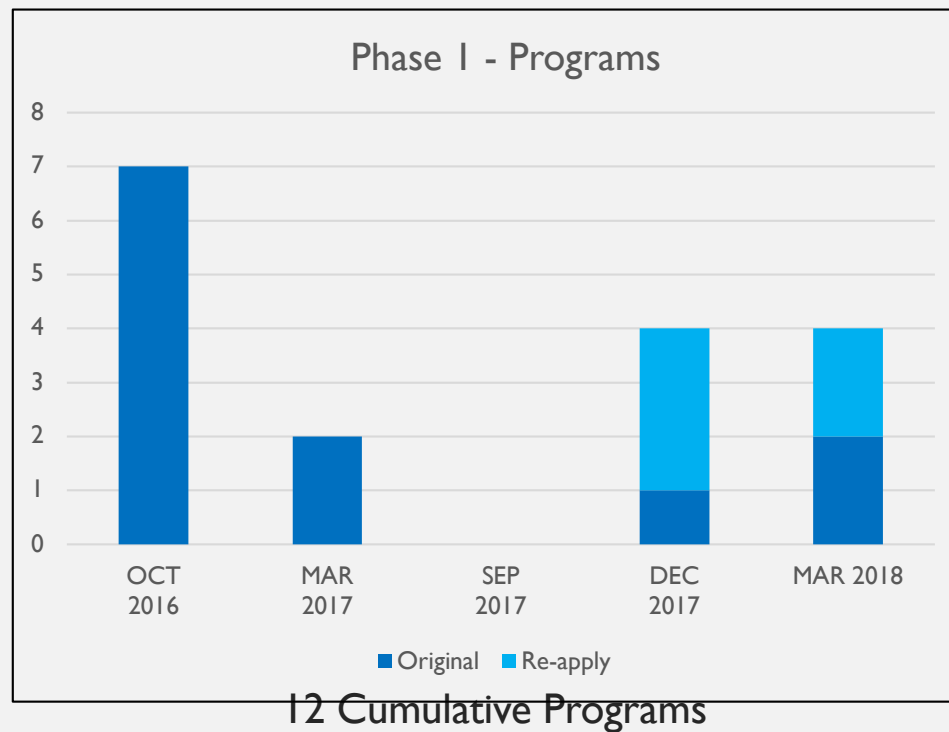
- Seven of seventeen (41%) Phase 2 proposals are resubmissions.
 - Three of the seven (43%) are Recommended for Funding.

■ Carry Through

- *Four of seventeen (24%) Phase 2 proposals were previous Phase 1 awardees.*
 - Two are Recommended (50%) for Funding in this round.

TRENDS -PHASE I PROGRAMS* (ALL ROUNDS TO DATE)

Rounds 12 – 16 Results

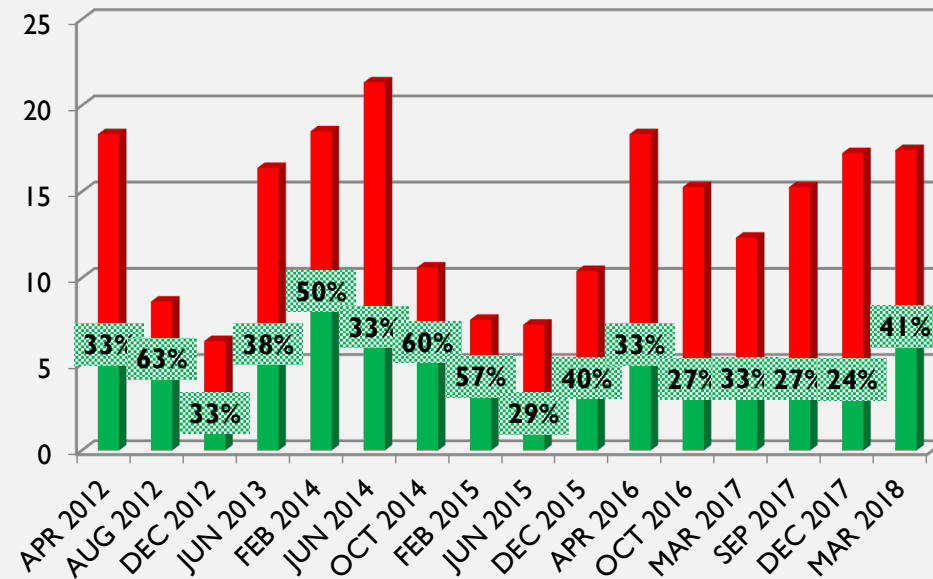


*Originally Known as 'Phase I – Track B'

TRENDS -COMPARATIVE RESULTS (ALL ROUNDS TO DATE)

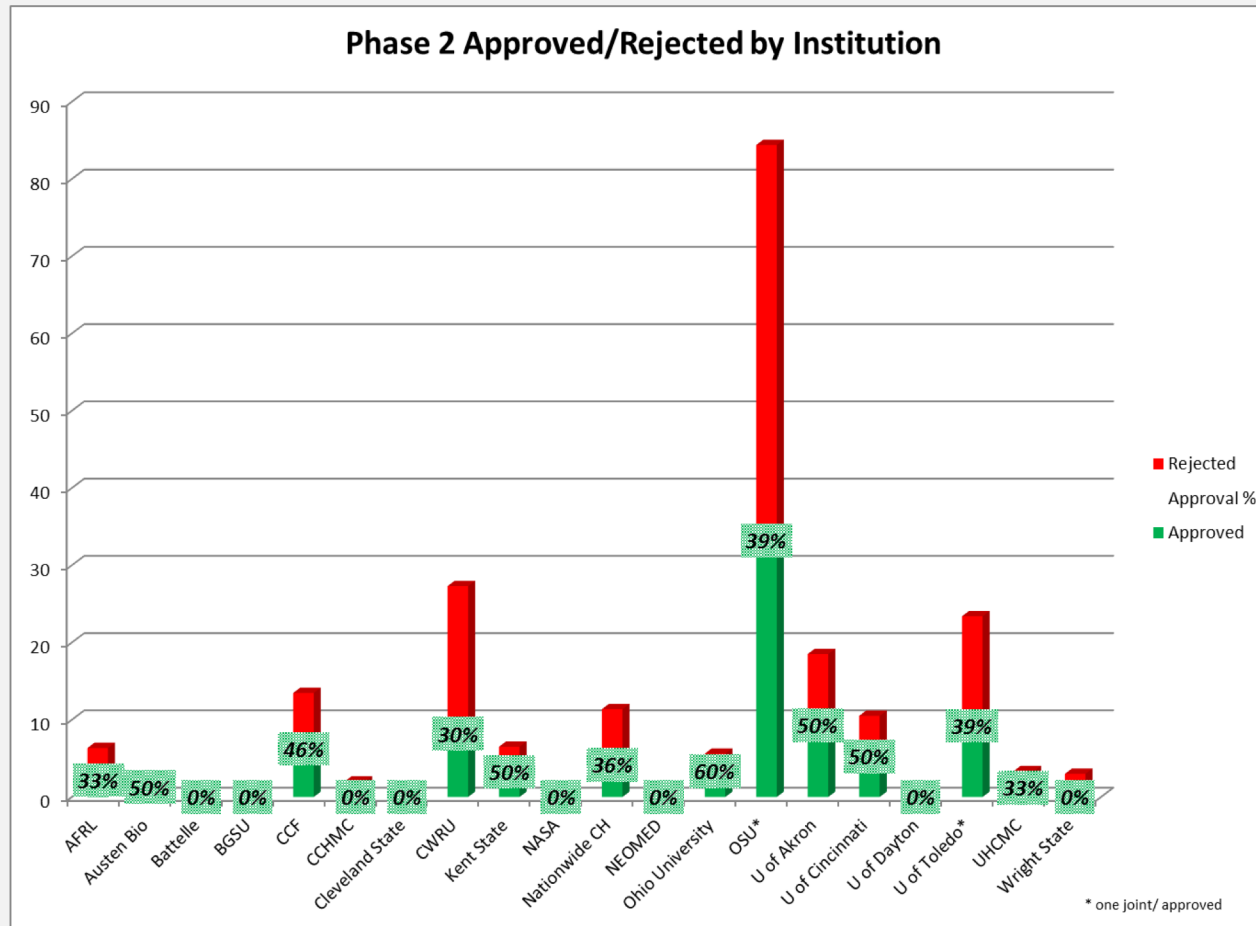
Rounds 1 – 16 Results

Phase 2 Applications



37% Cumulative Approval

CUMULATIVE RESULTS – PHASE 2 (ALL ROUNDS TO DATE)



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