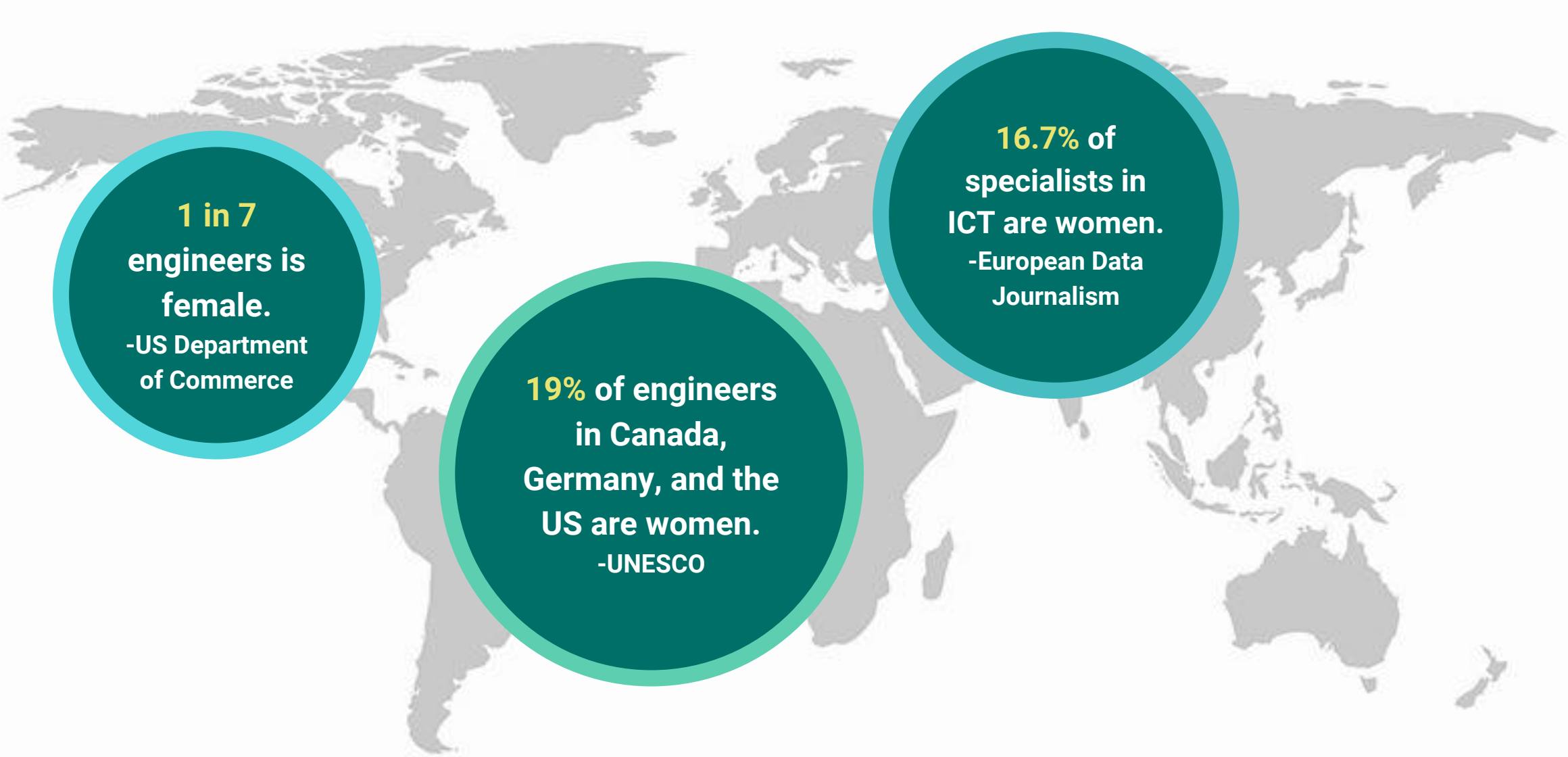
Extending the Impact of Technovation on Armenian School Girls

WPI

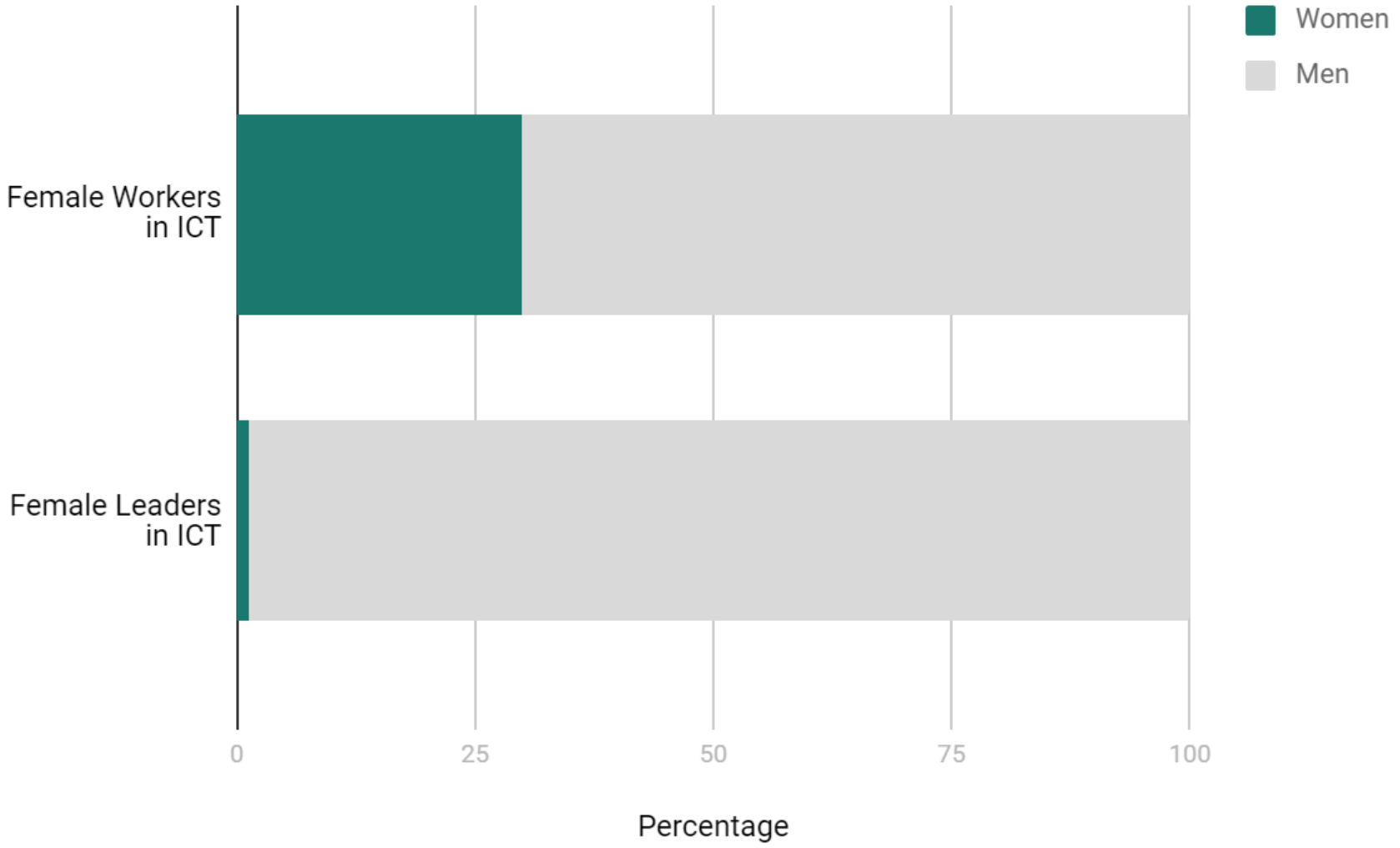
The Technovation Project Team: Justin Cheng, Alyssa Mesaros, Brianna Owen, Lucas Sacherer

Technovation iridescent ARMENIA

The STEM gender disparity is prevalent around the world

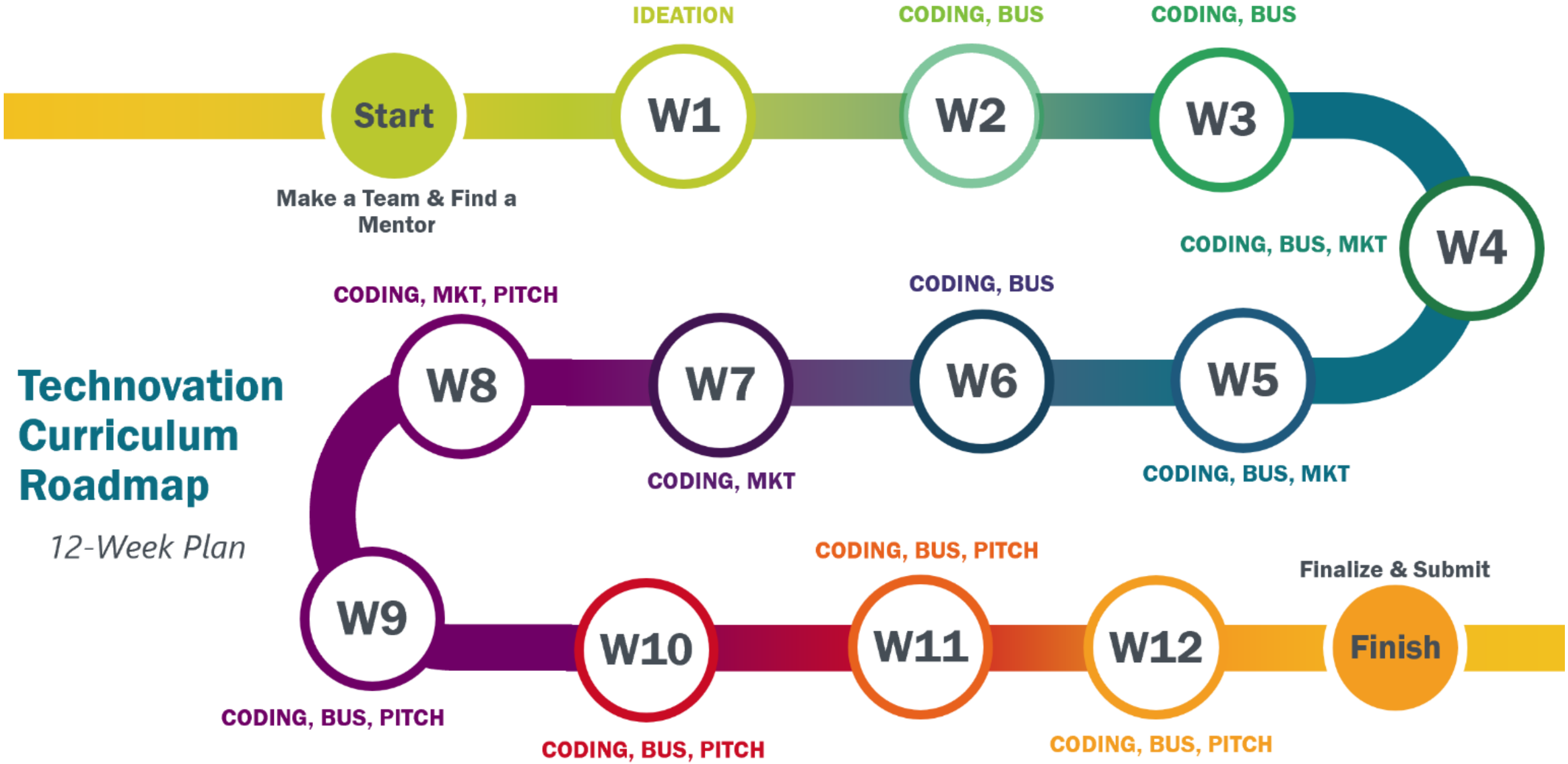


The gender gap persists in Armenia's ICT sector



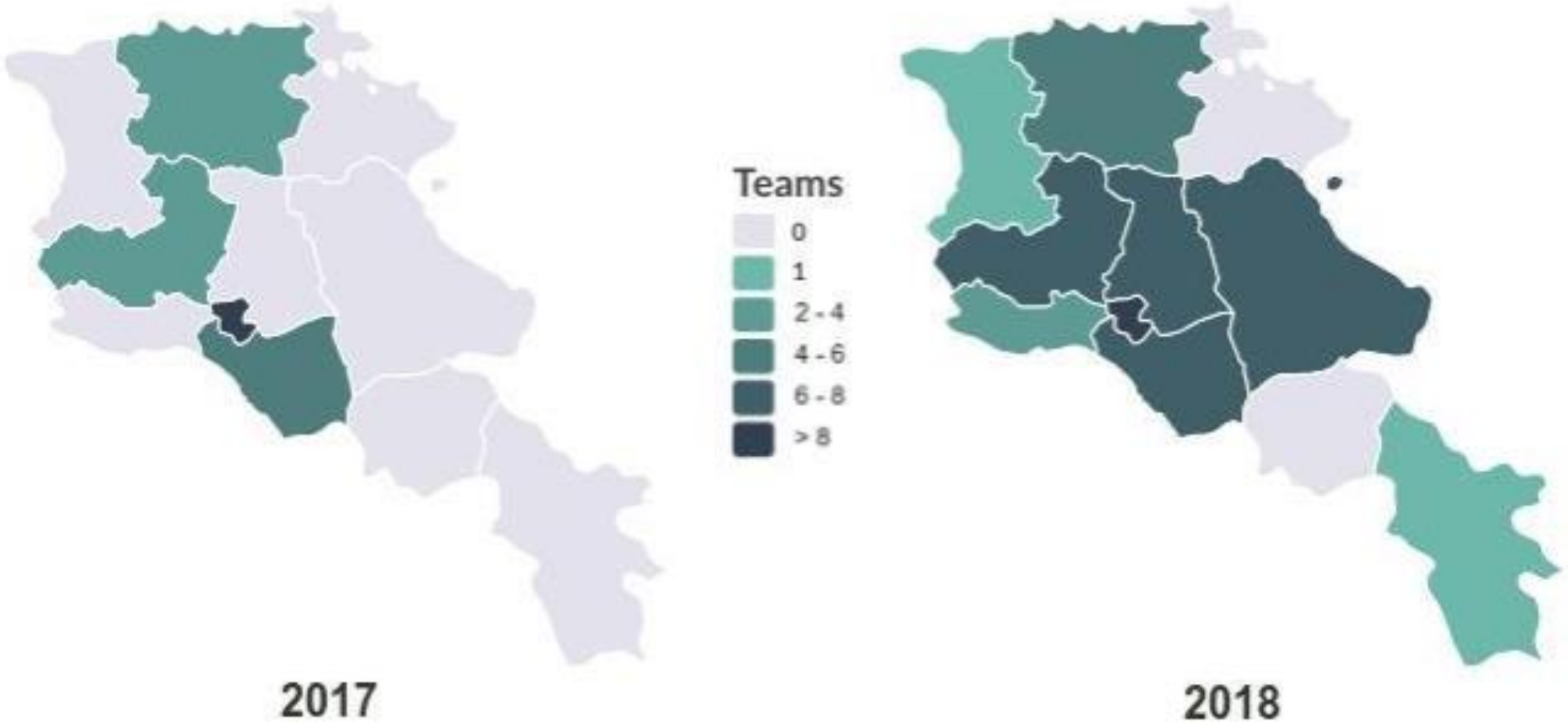
Technovation Curriculum Roadmap

12-Week Plan



Technovation provides an opportunity to fill an unmet need in Armenia's tech education

Technovation Armenia has made great progress since its introduction



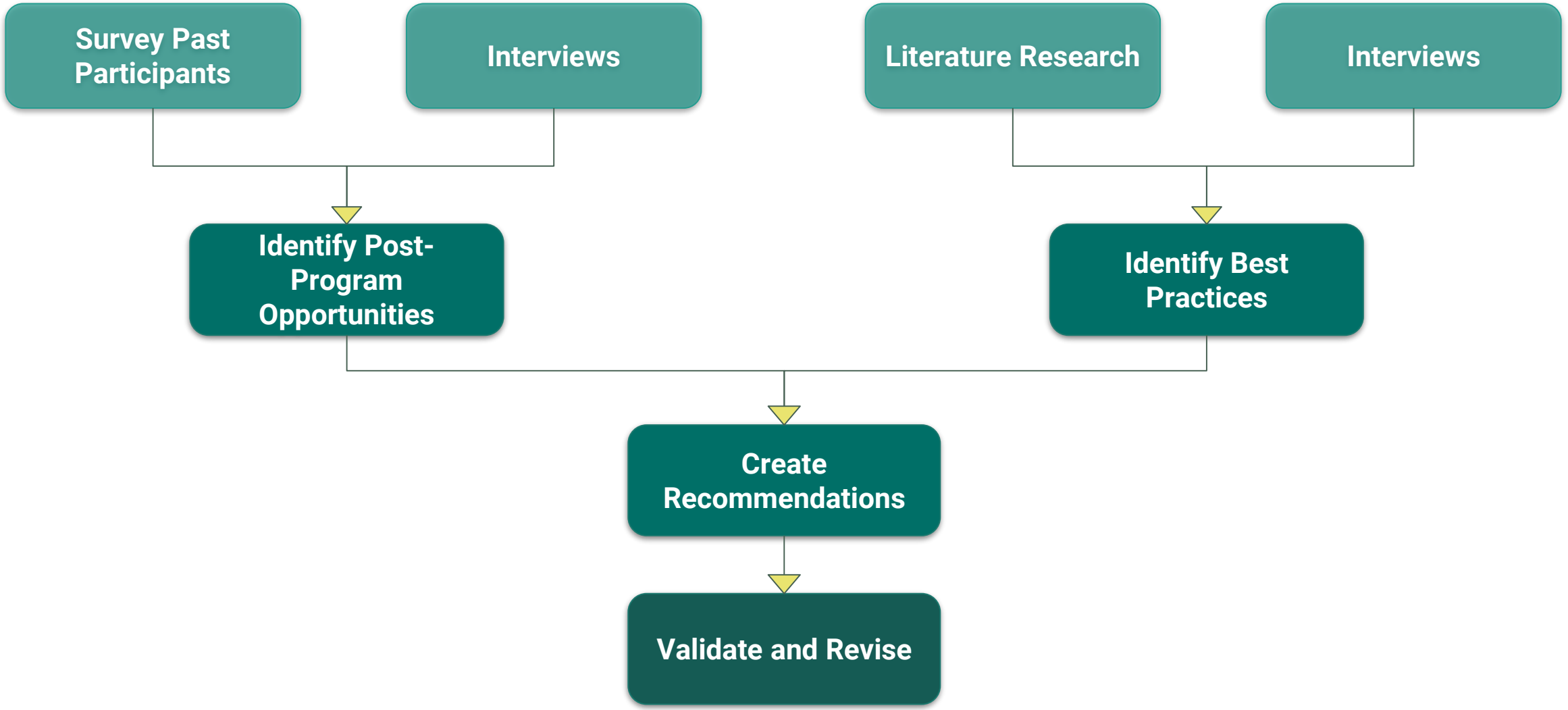
Continued engagement is vital to the program's success

To address this issue, the team was tasked to…

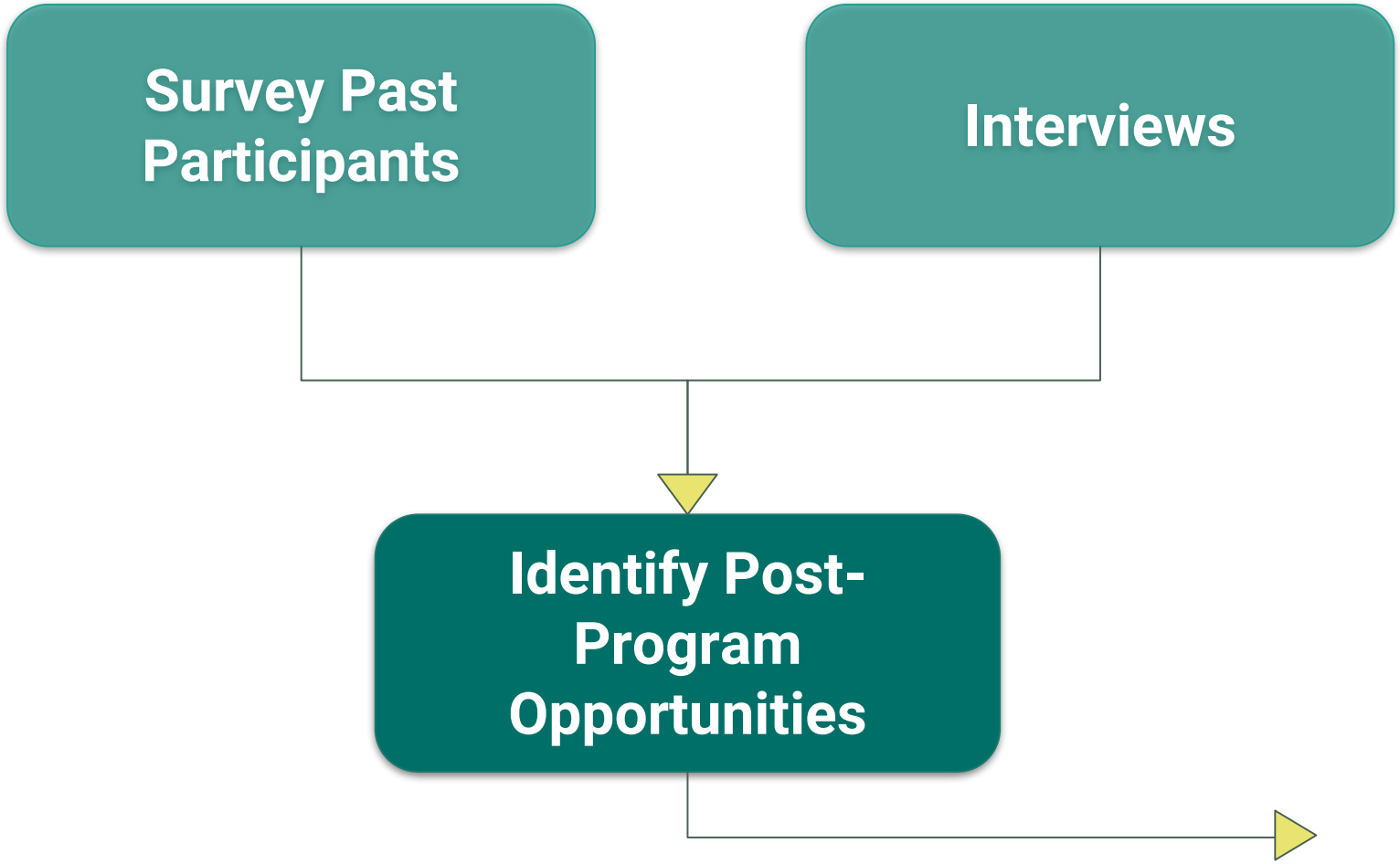
Identify opportunities to further motivate and support the Technovation girls to continue the development of their personal, professional, and technical skills

Approach & Methods

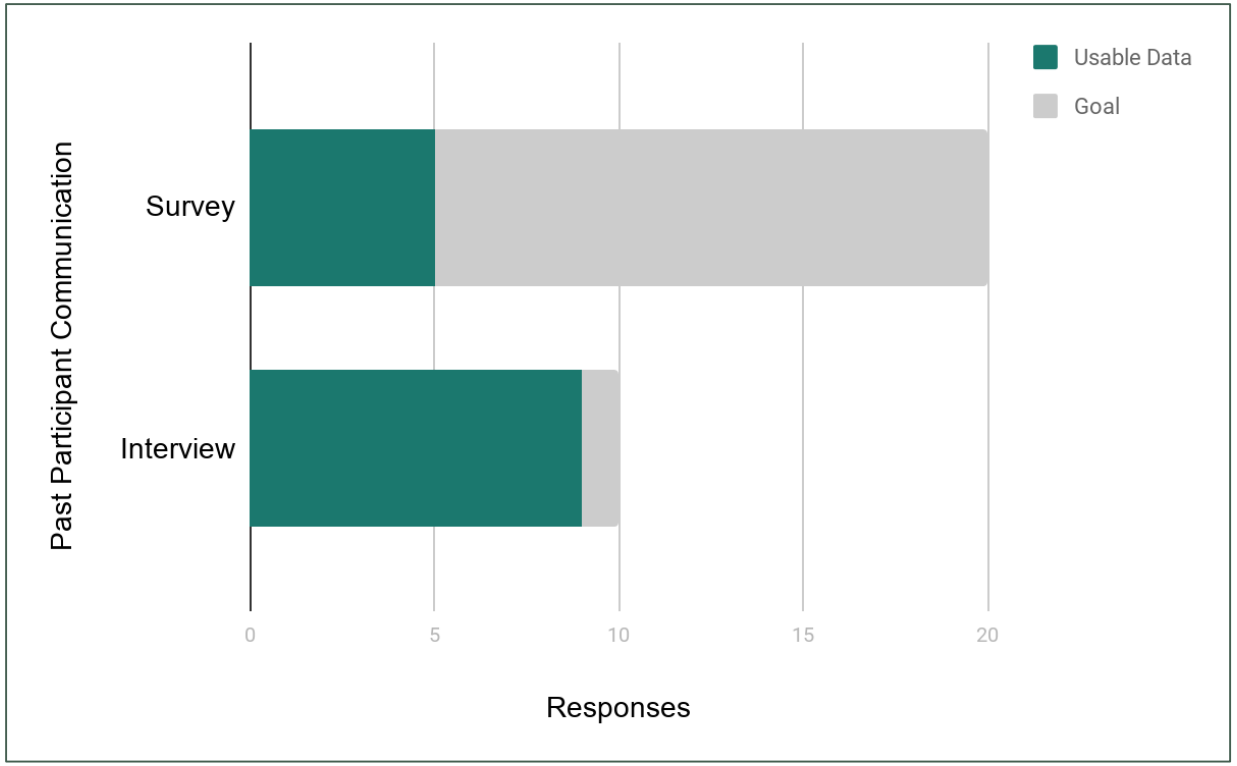
Investigation of Technovation Armenia and Other Organizations

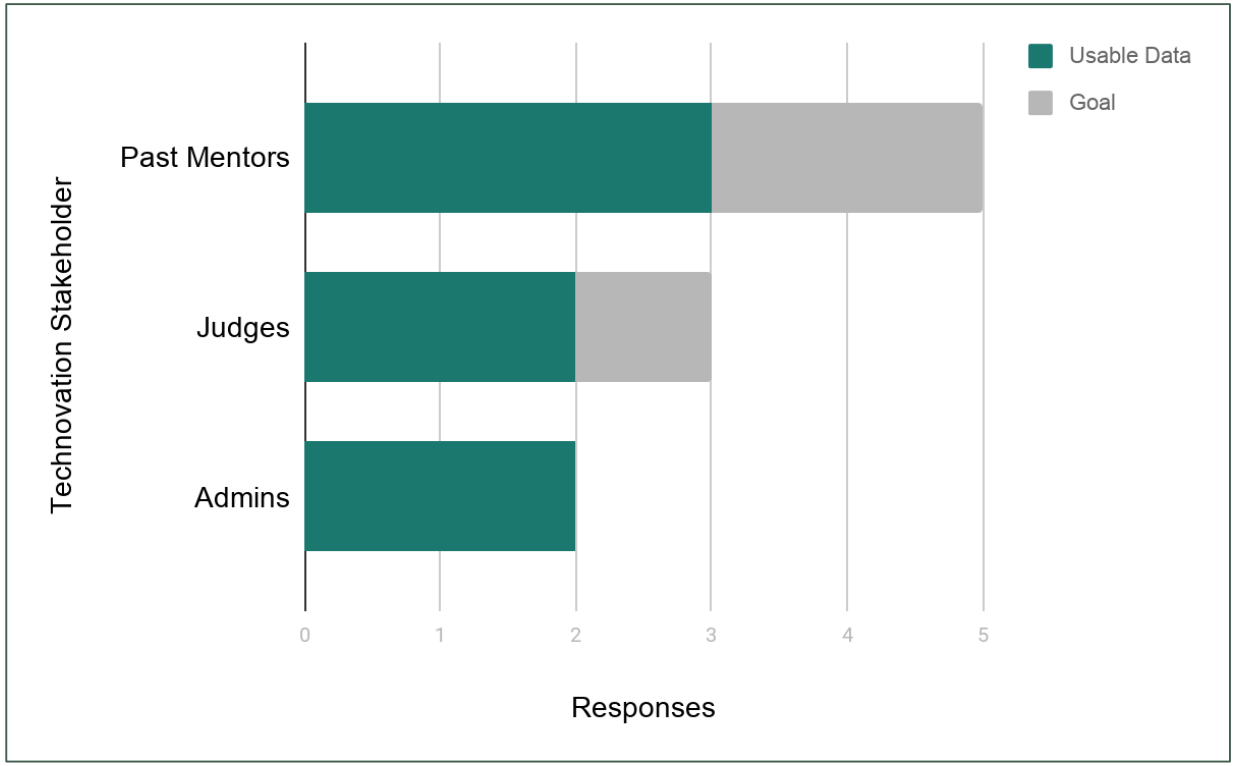


Technovation Armenia Participant Research

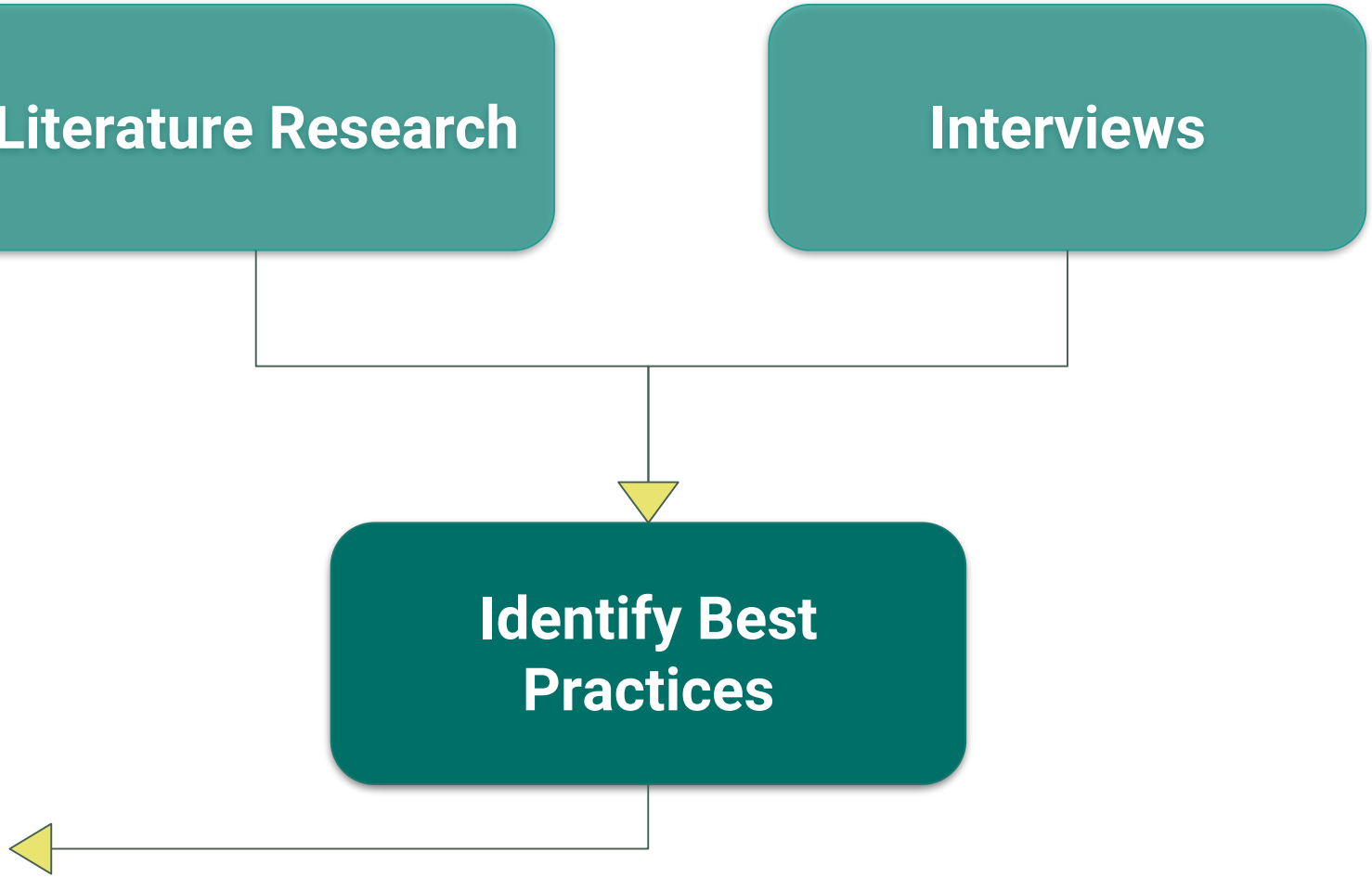


In our investigation we made contact with…





Best Practices from Other Programs & Technovation Branches



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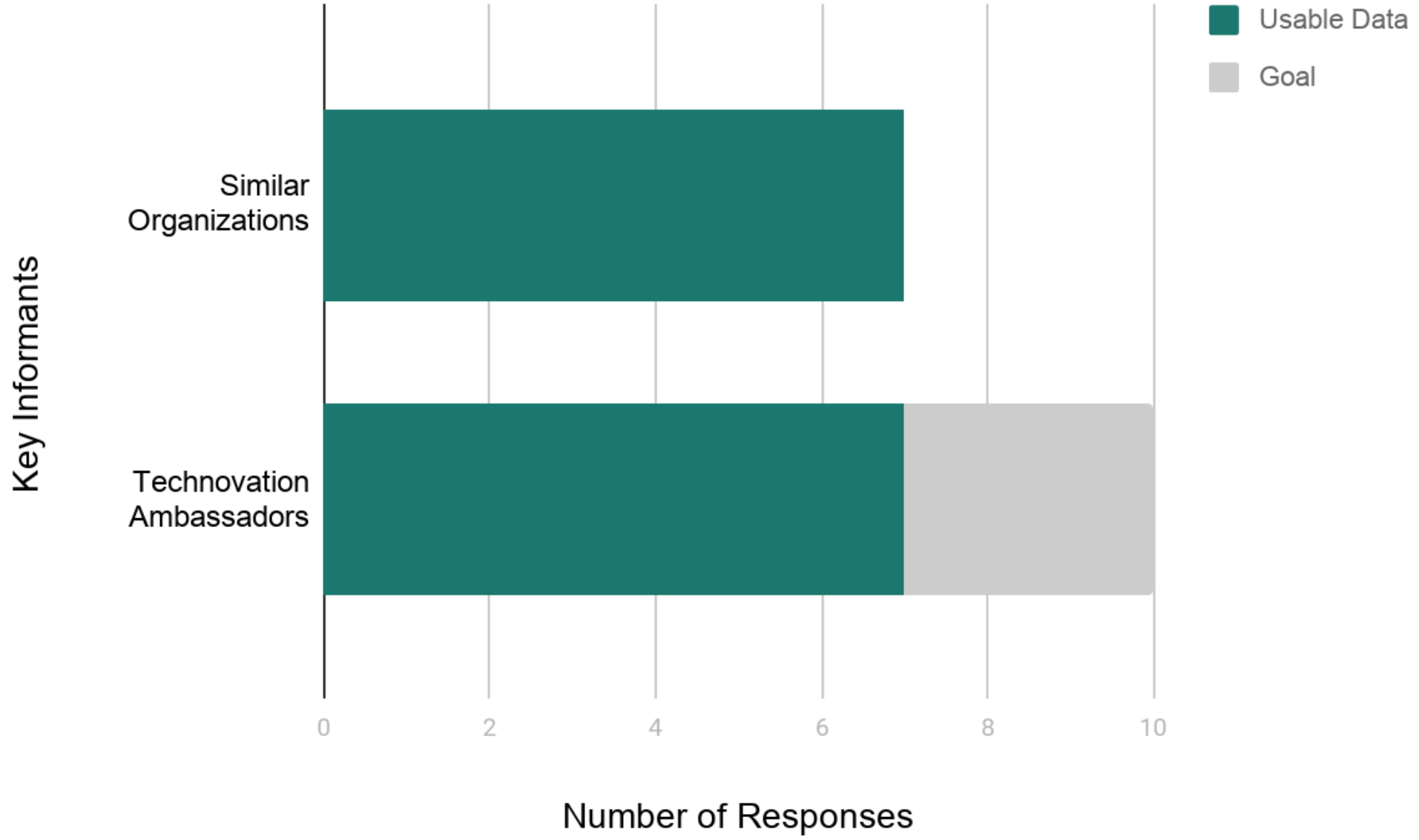
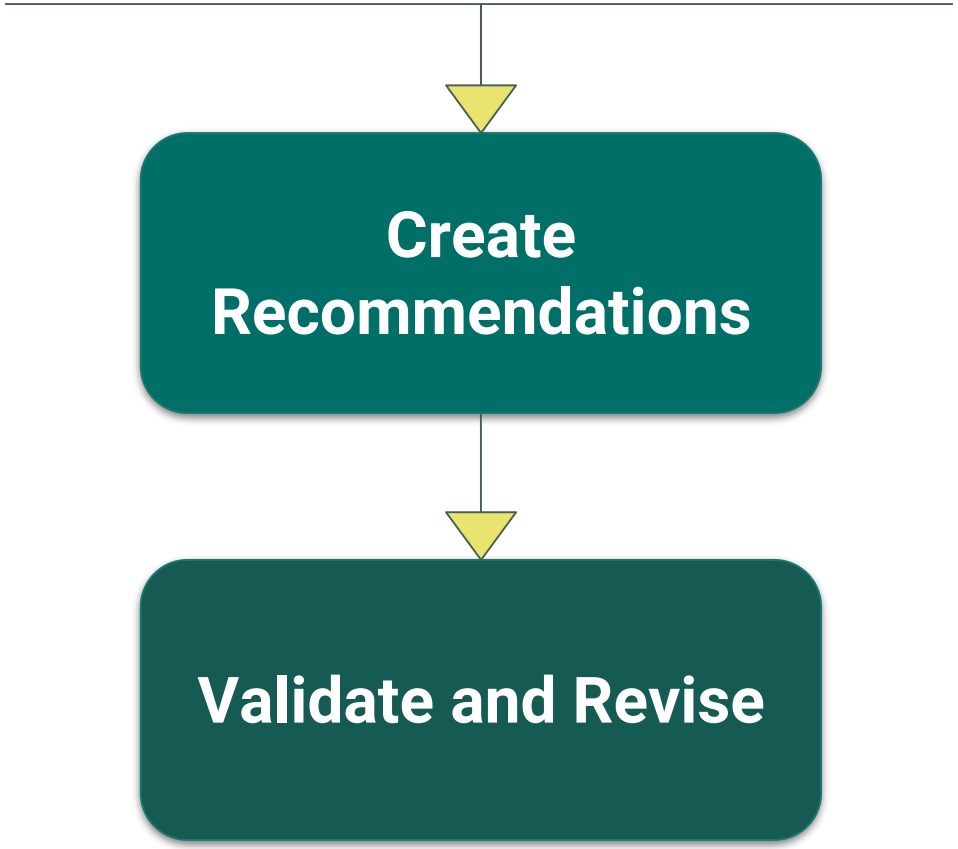
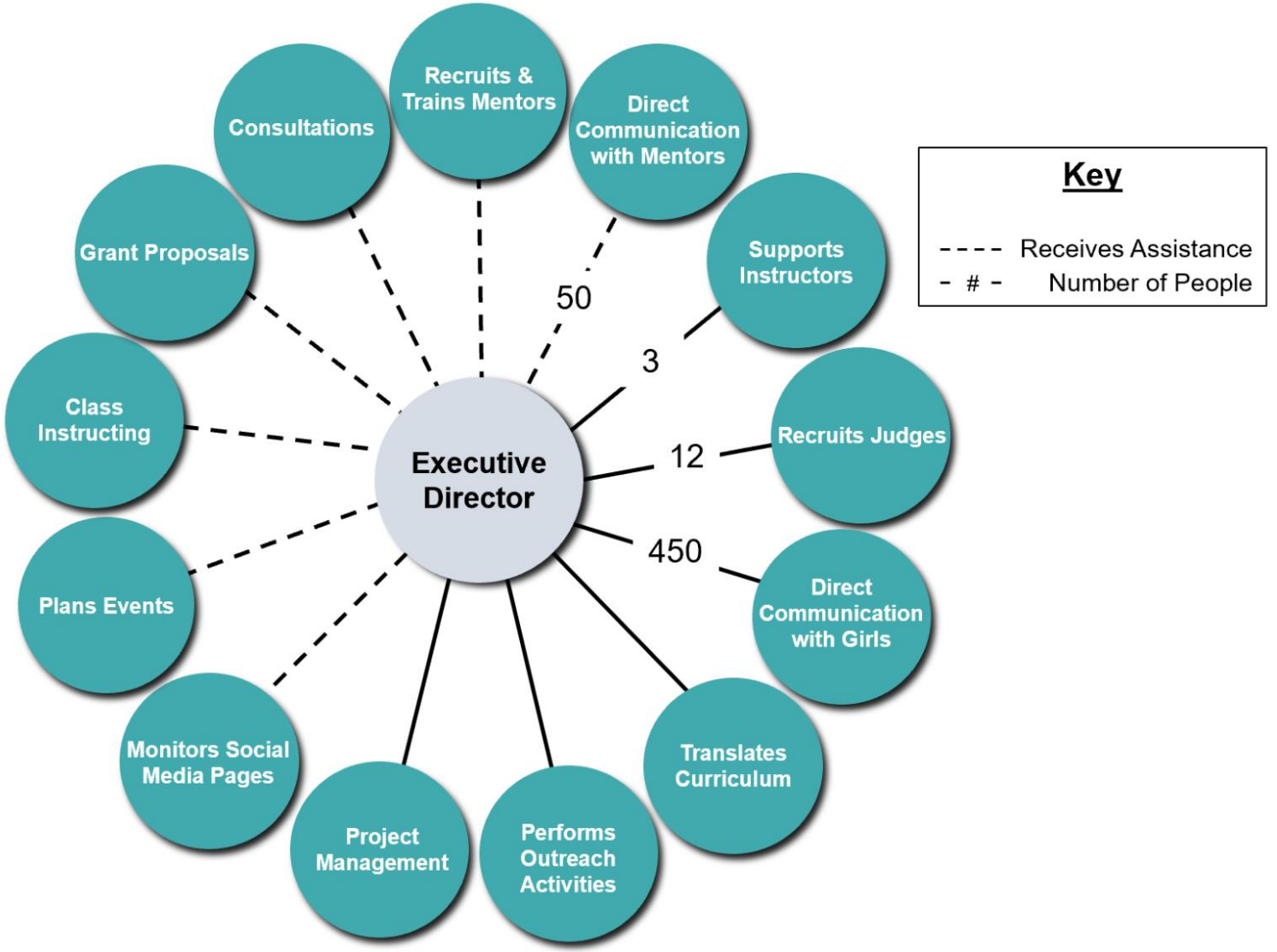


Synthesis and Validation of Recommendations and Implementation Plans

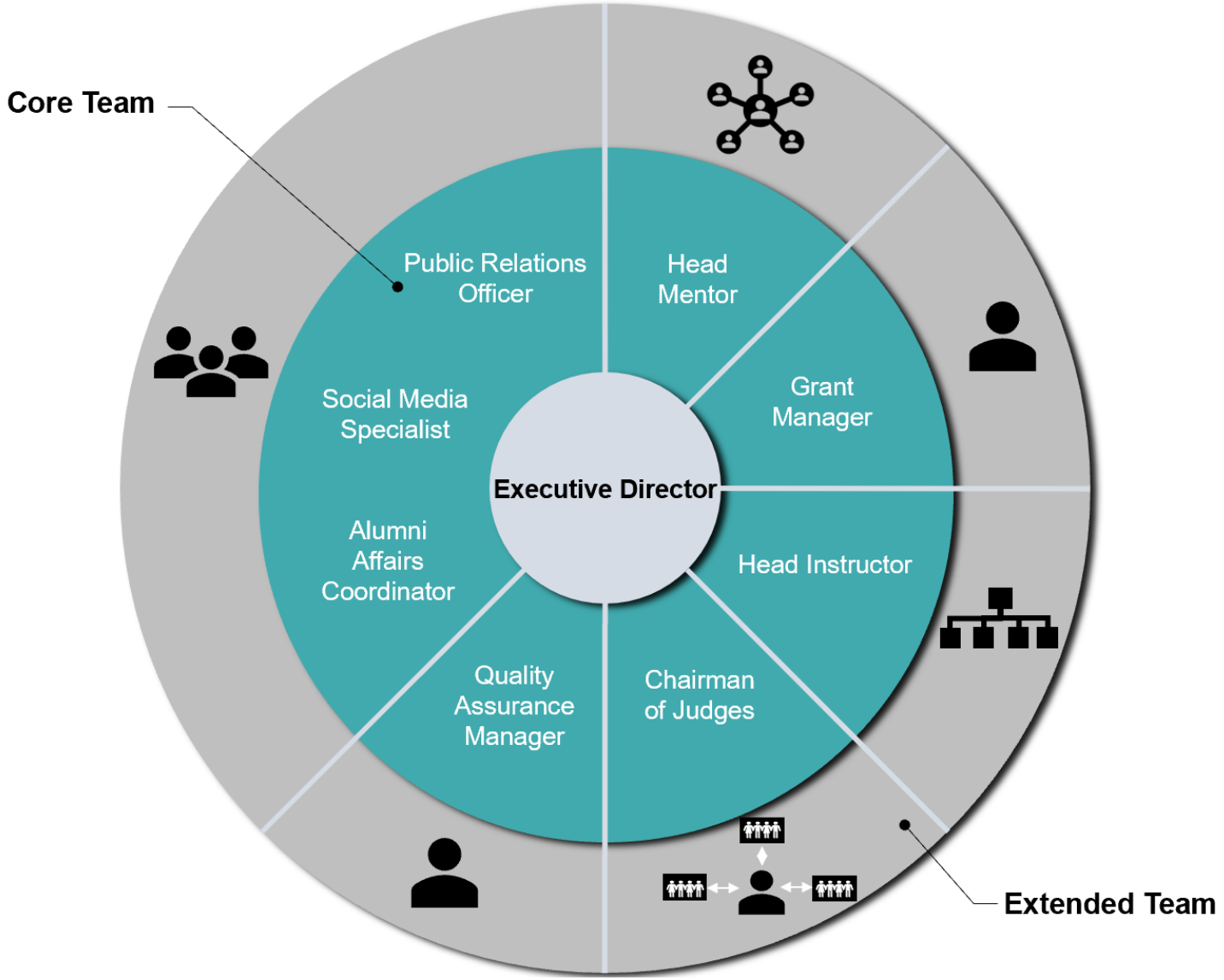


Findings & Recommendations

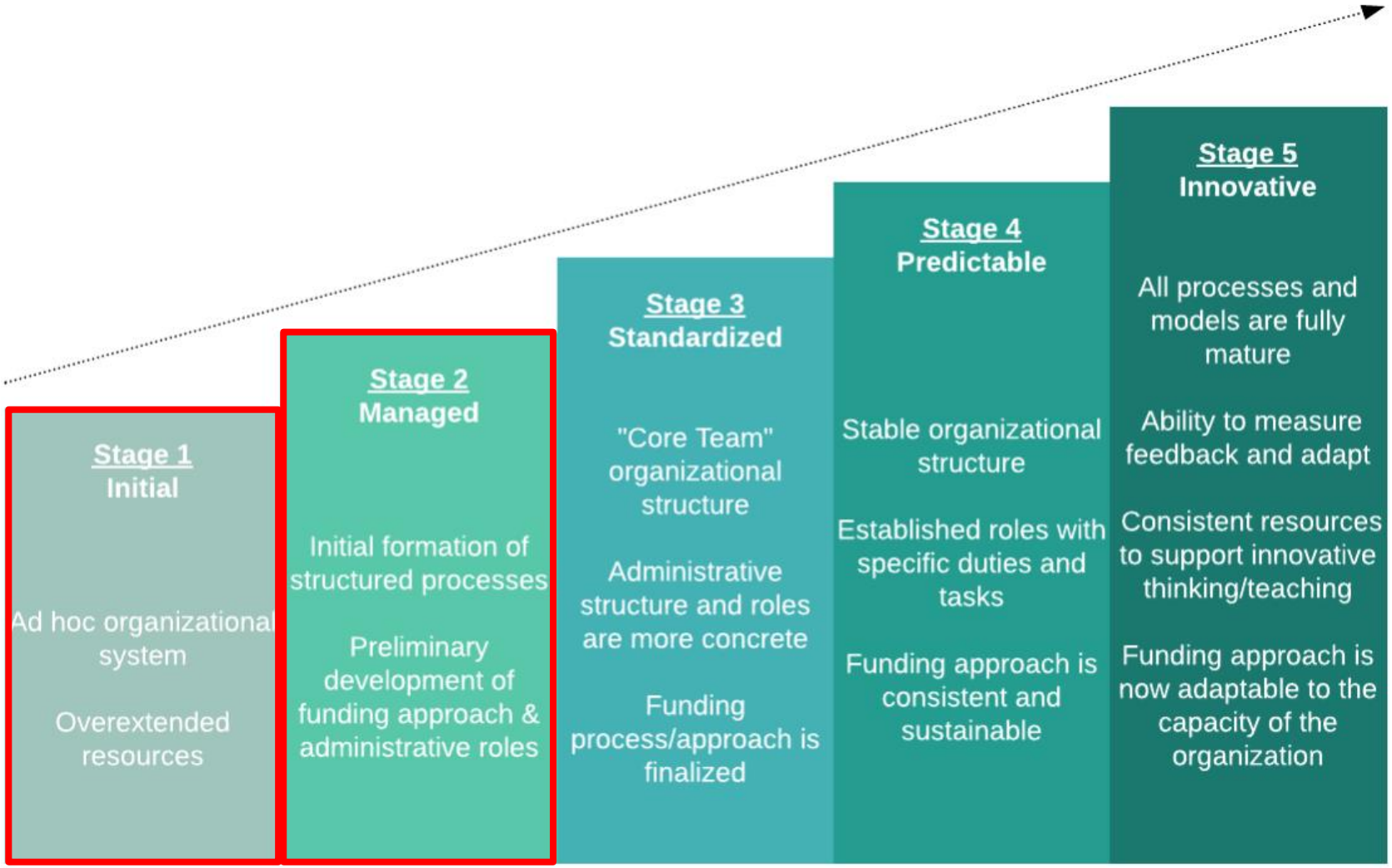
The sudden growth of Technovation Armenia has led the program to experience typical growing pains



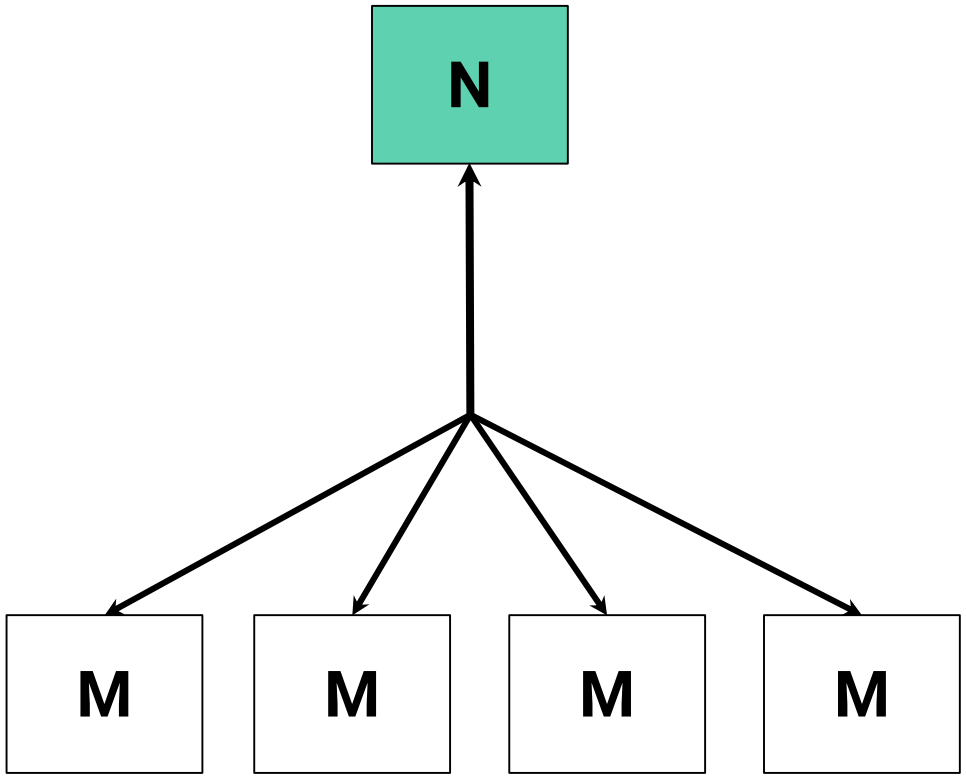
Recommended Organizational Structure

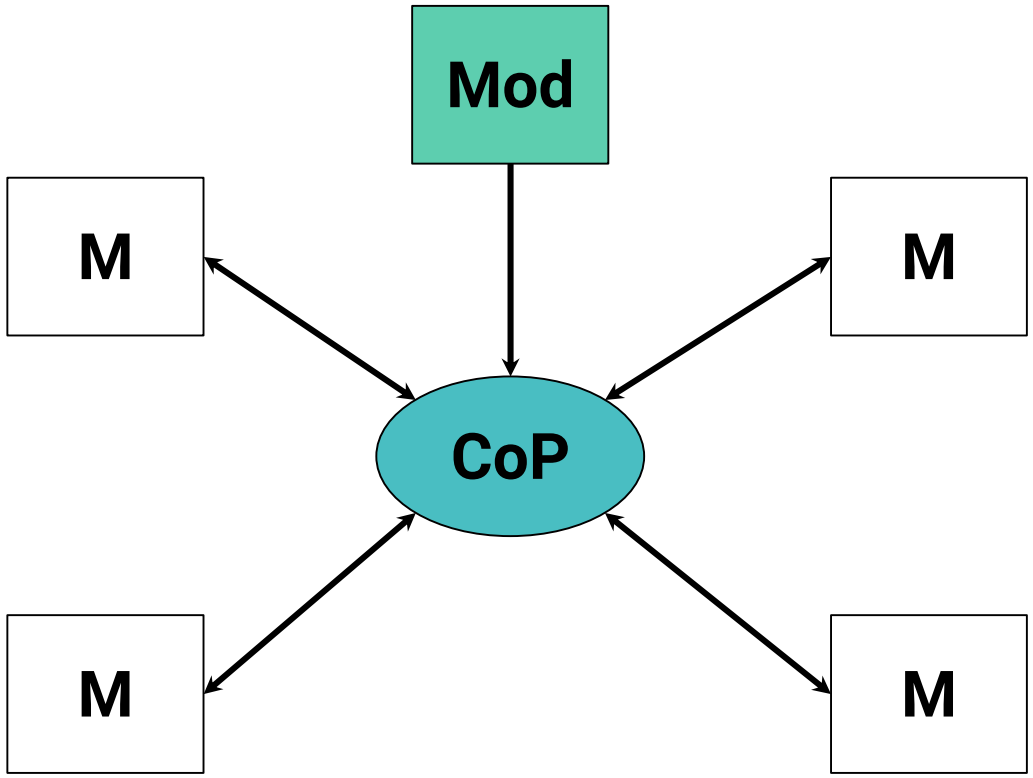


Customized maturity model for Technovation Armenia



A Mentor Community of Practice will reduce high administrative workload and foster mentor growth





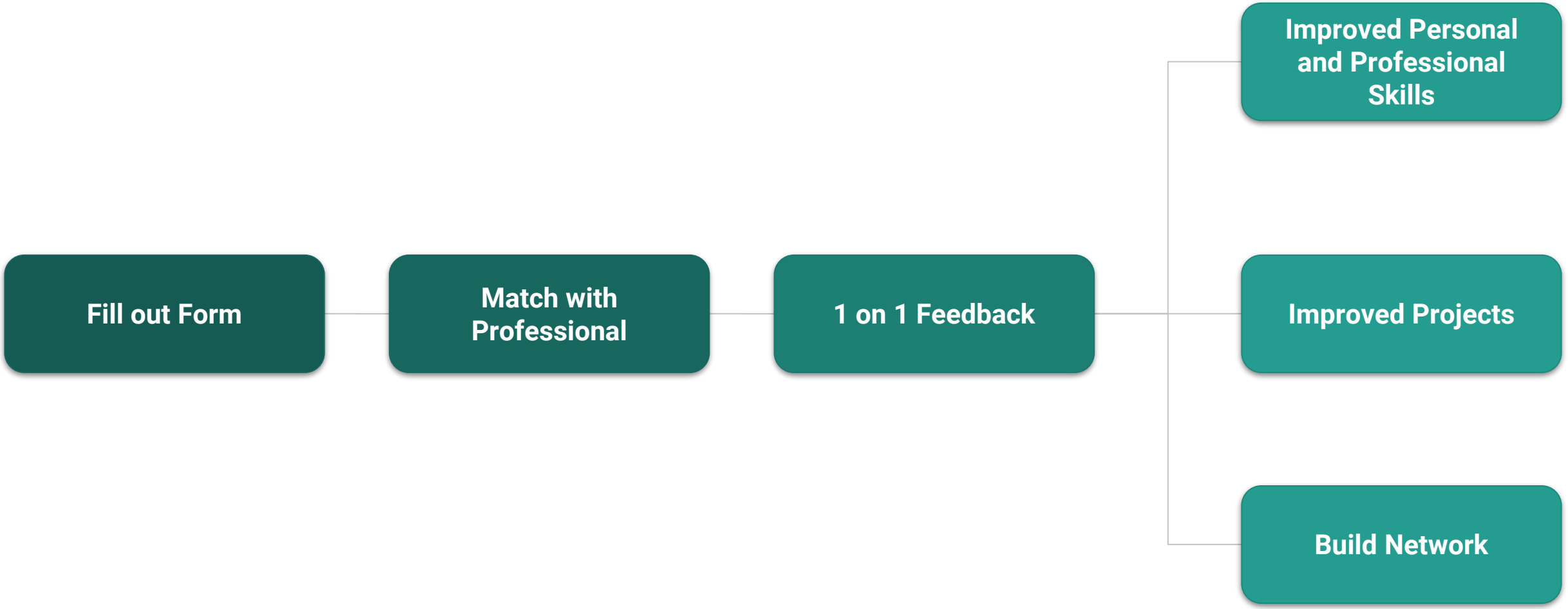
N: Narine

M: Mentor

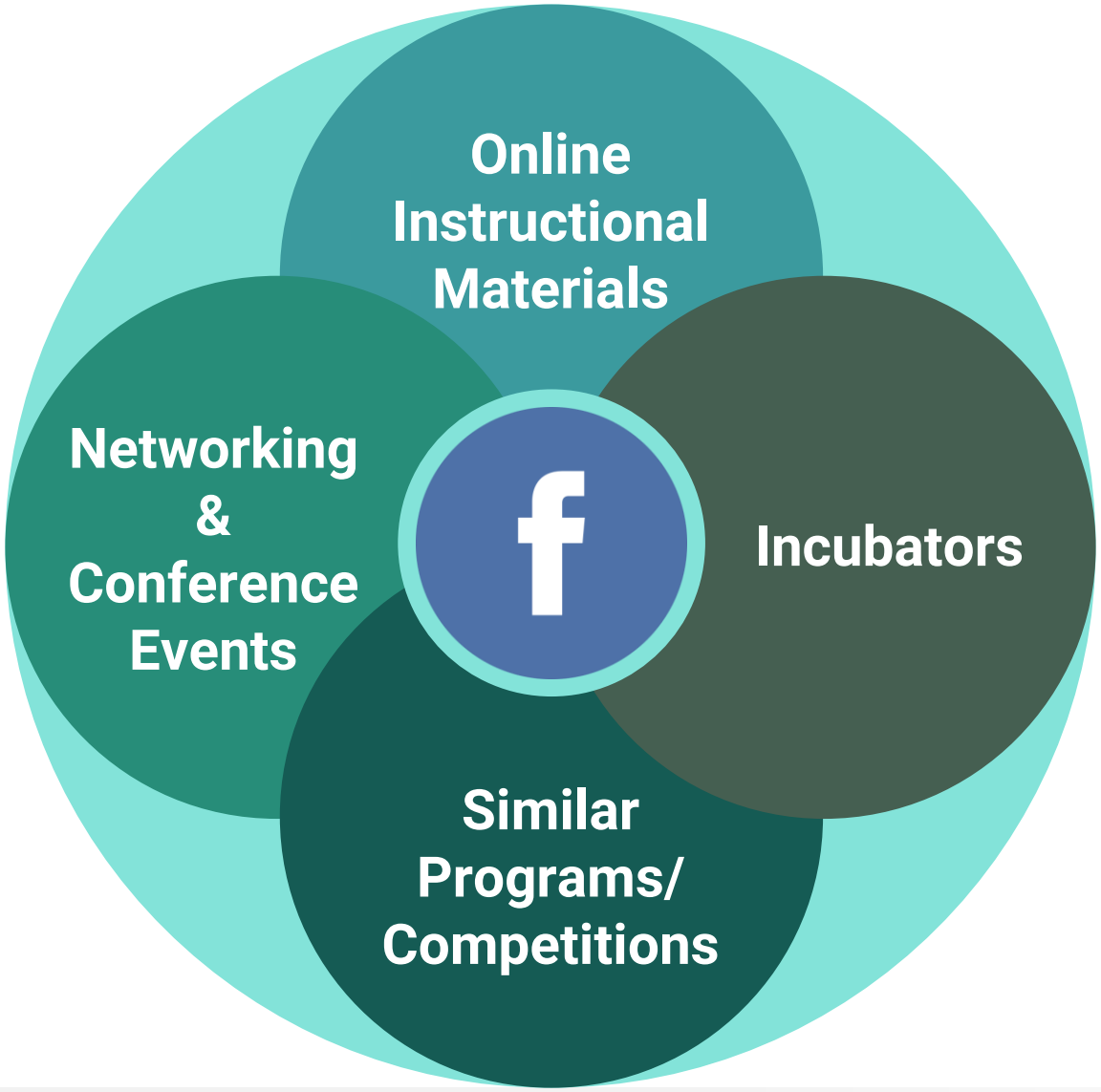
Mod: Moderator

CoP: Community of Practice

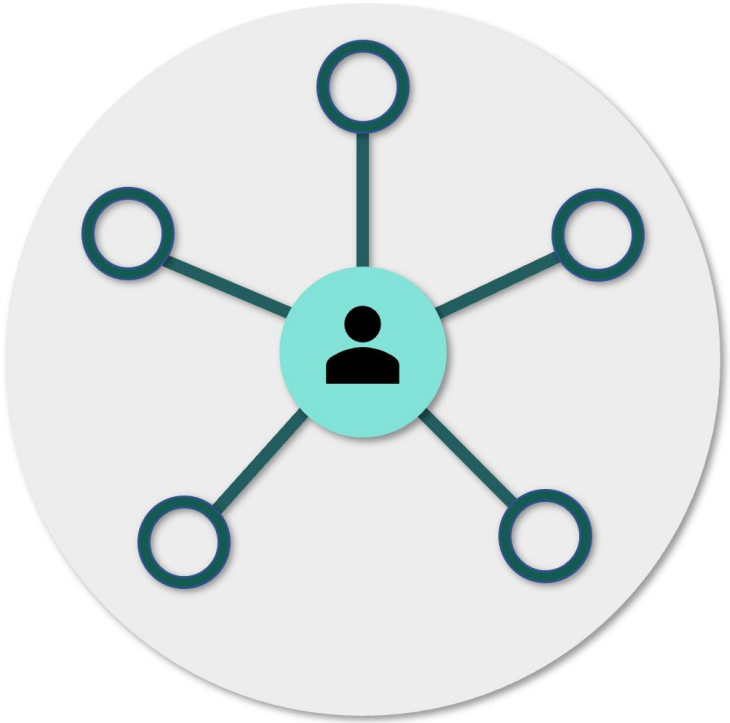
Connecting professionals with the teams through an ideation program will enhance the Technovation experience



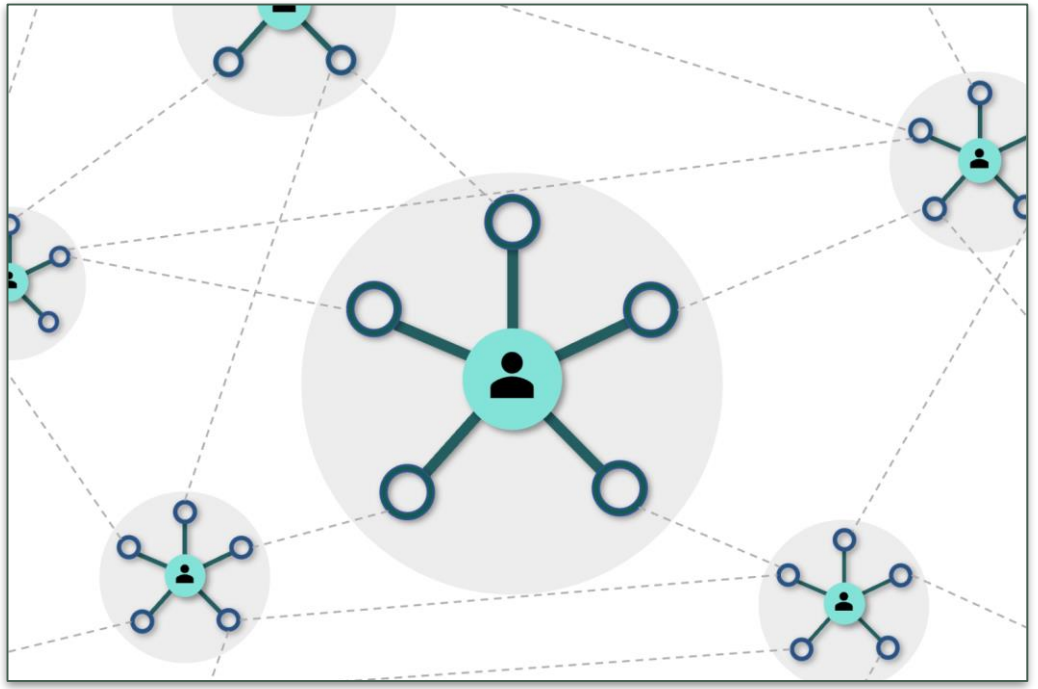
A centralized resource pool will provide all participants with the same opportunities and resources for continuation



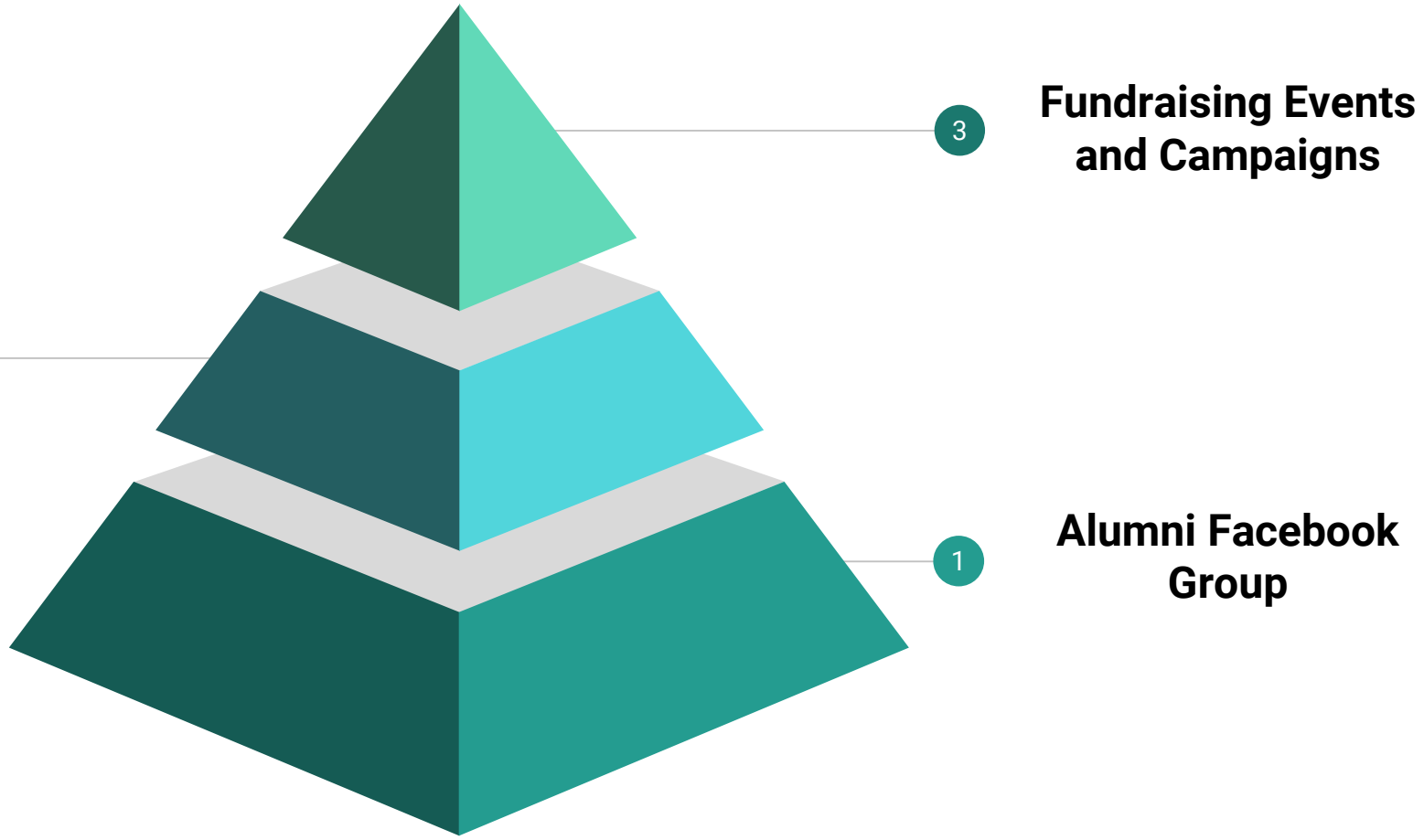
A Networking Workshop will provide the skills to expand the networks of the Technovation Armenia community



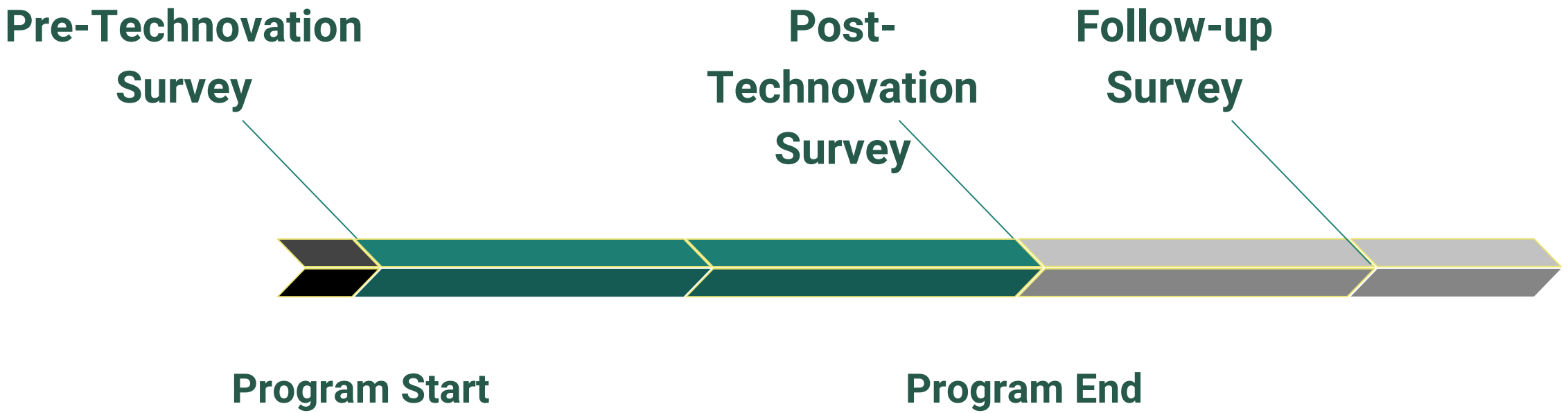
Workshop



The Alumni Facebook group will provide Technovation with the foundation to build their alumni community



Evaluating the performance of Technovation will allow for continuous program improvement



A pilot program could introduce Active Learning to the weekly classes in 2020

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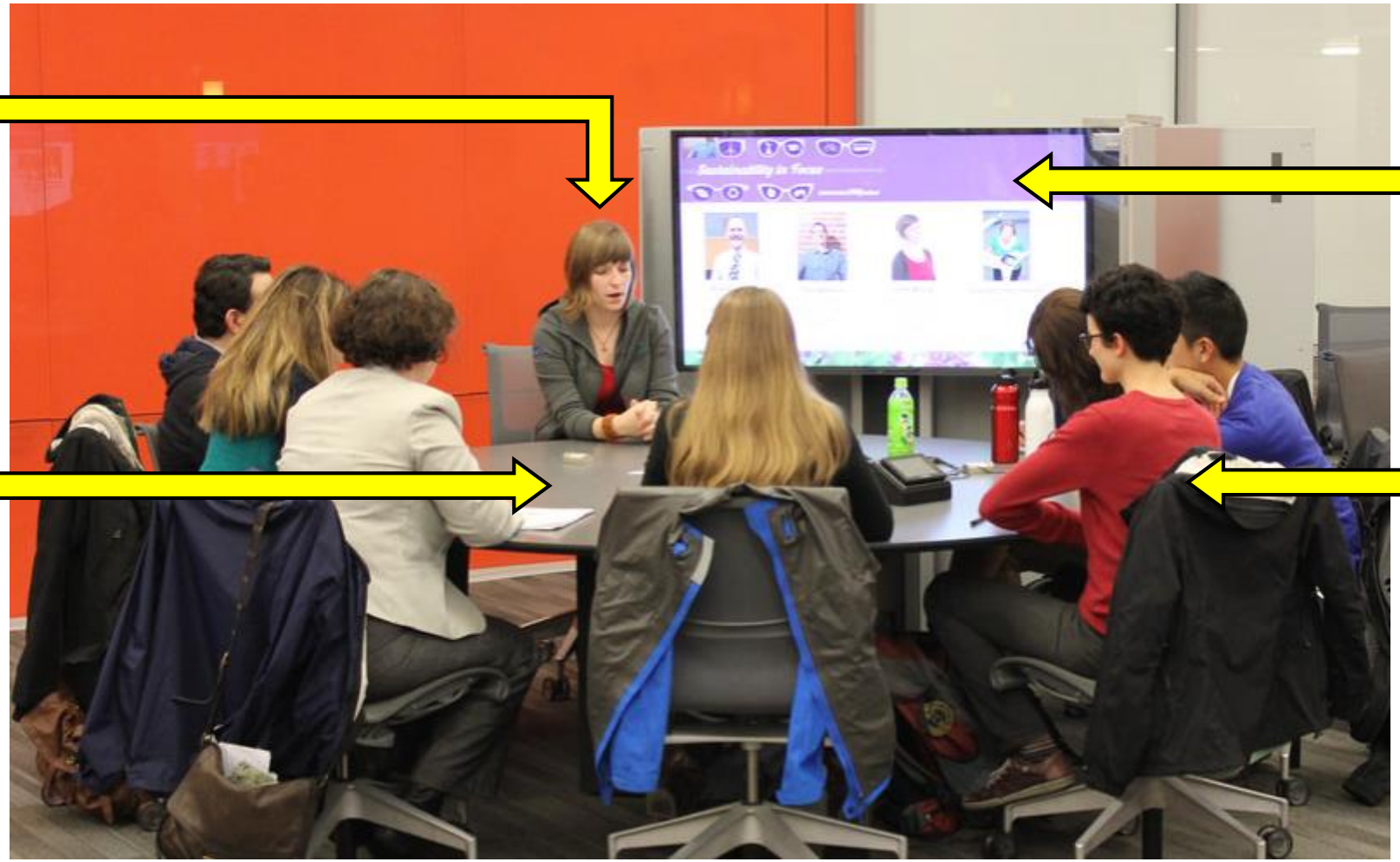
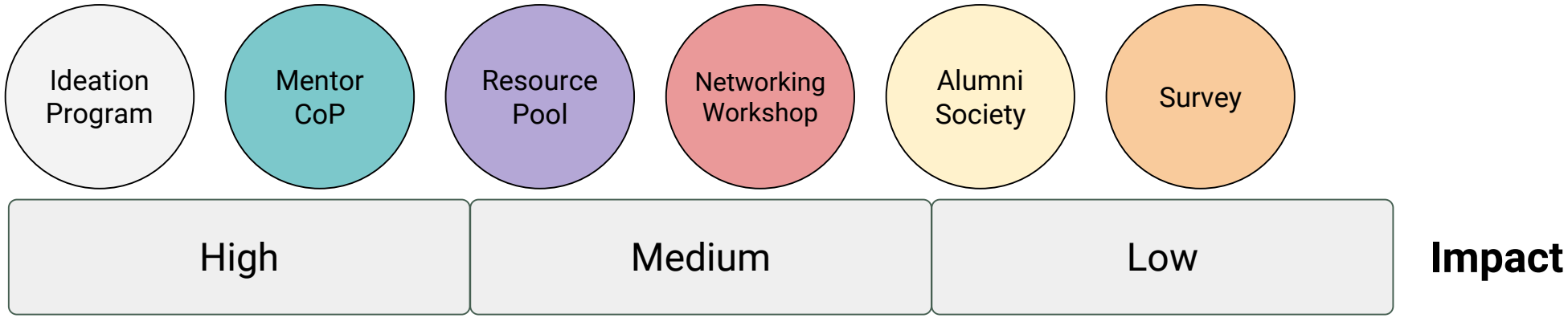


A cost-impact chart was created to organize our implementations



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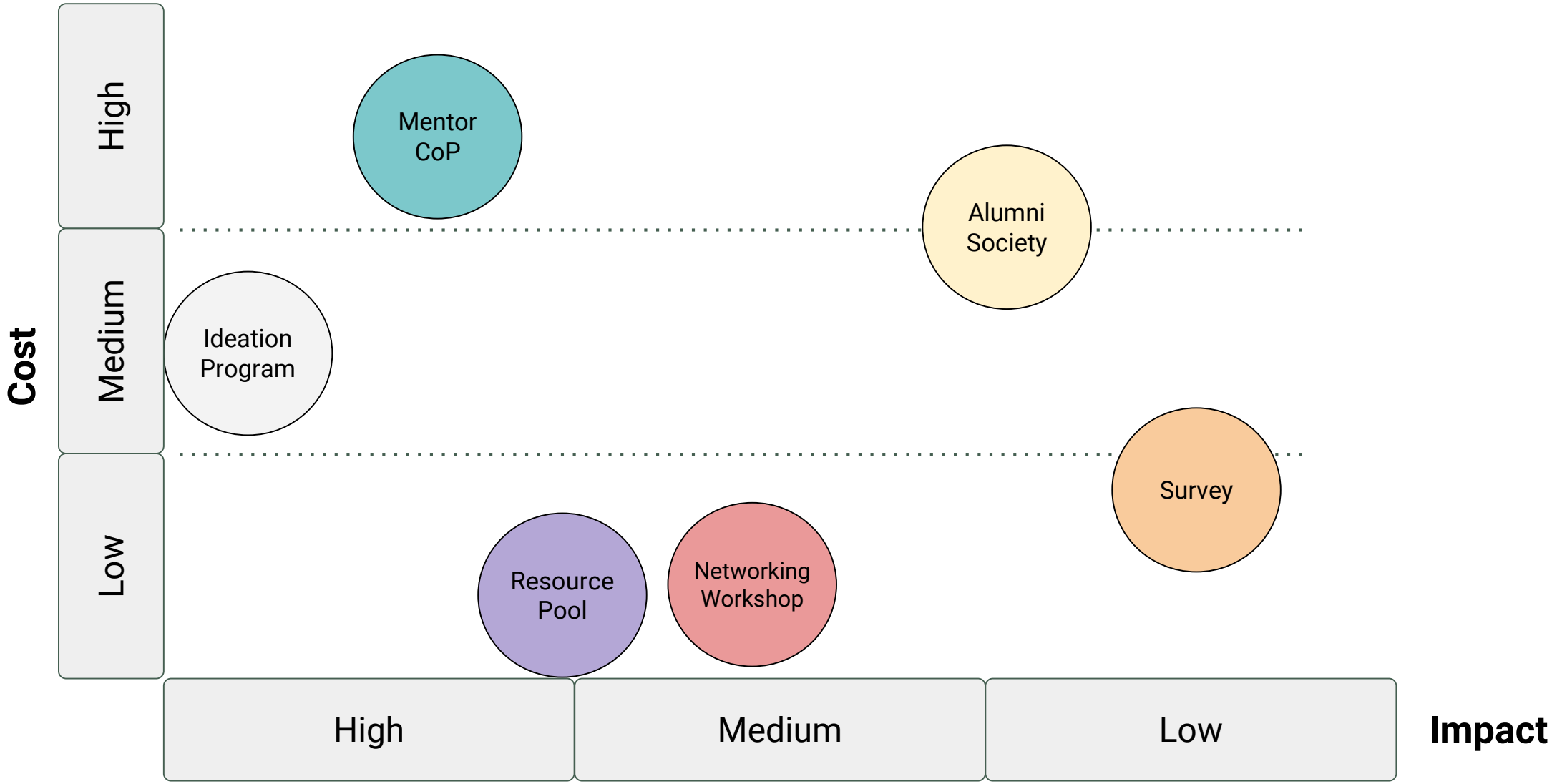
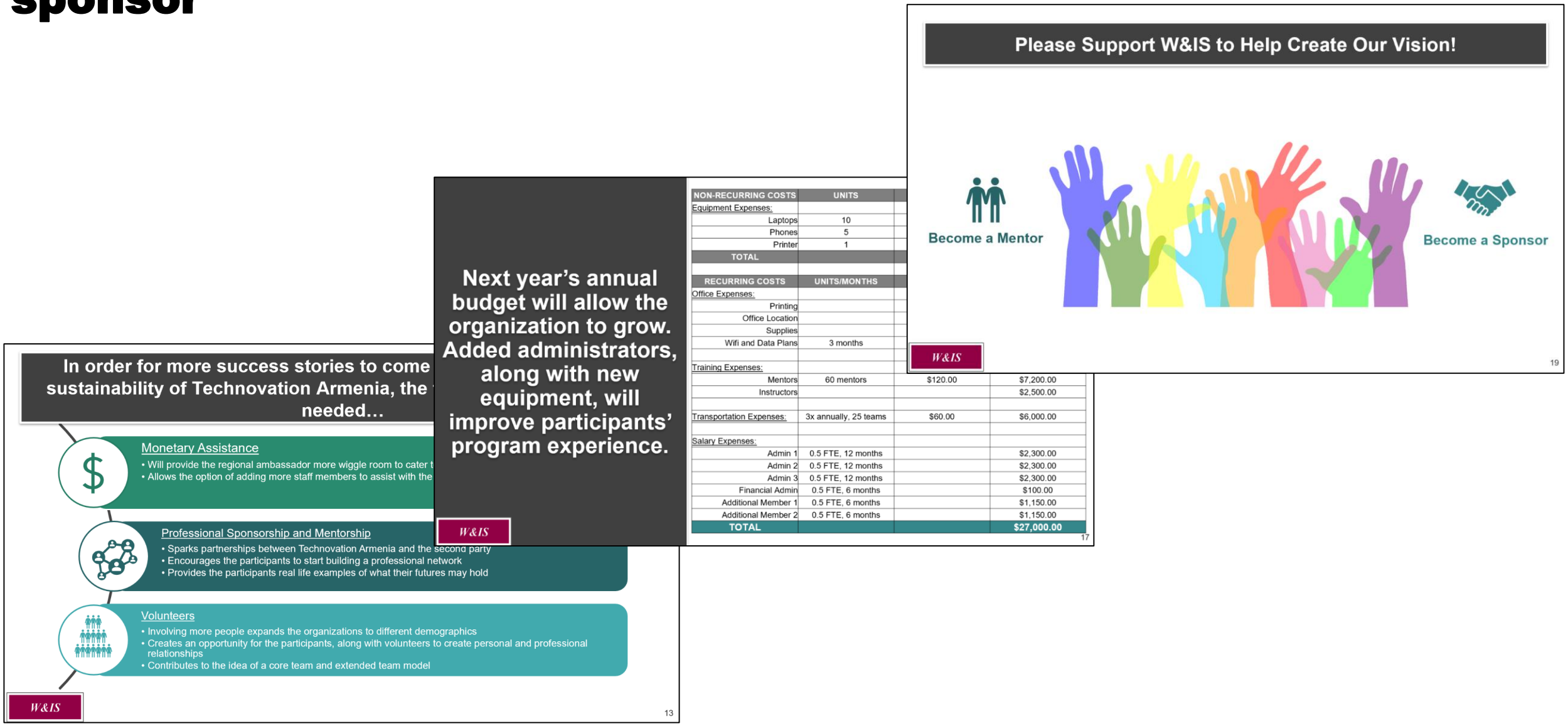


A resource and funding prospectus was provided to our sponsor



In order for more success stories to come
sustainability of Technovation Armenia, the
needed…

Monetary Assistance
- Will provide the regional ambassador more wiggle room to cater t
- Allows the option of adding more staff members to assist with the

Professional Sponsorship and Mentorship
- Sparks partnerships between Technovation Armenia and the second party
- Encourages the participants to start building a professional network
- Provides the participants real life examples of what their futures may hold

Volunteers
- Involving more people expands the organizations to different demographics
- Creates an opportunity for the participants, along with volunteers to create personal and professional relationships
- Contributes to the idea of a core team and extended team model

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Next year's annual budget will allow the organization to grow. Added administrators, along with new equipment, will improve participants' program experience.

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NON-RECURRING COSTS	UNITS		
Equipment Expenses:			
Laptops	10		
Phones	5		
Printer	1		
TOTAL			
RECURRING COSTS	UNITS/MONTHS		
Office Expenses:			
Printing			
Office Location			
Supplies			
Wifi and Data Plans	3 months		
Training Expenses:			
Mentors	60 mentors	$120.00	$7,200.00
Instructors			$2,500.00
Transportation Expenses:	3x annually, 25 teams	$60.00	$6,000.00
Salary Expenses:			
Admin 1	0.5 FTE, 12 months		$2,300.00
Admin 2	0.5 FTE, 12 months		$2,300.00
Admin 3	0.5 FTE, 12 months		$2,300.00
Financial Admin	0.5 FTE, 6 months		$100.00
Additional Member 1	0.5 FTE, 6 months		$1,150.00
Additional Member 2	0.5 FTE, 6 months		$1,150.00
TOTAL			$27,000.00

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Please Support W&IS to Help Create Our Vision!

Become a Mentor

Become a Sponsor

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The combination of the following recommendations will form the desired “Technovation Ecosystem”

Our Acknowledgements

Narine Abazian
Ani Manukyan
Ruzanna Stepanyan
2017 and 2018 Past Participants
2019 Participation
Katie Morton
Iridescent
International Regional Ambassadors

Smart Gate VC
United Armenian Volunteer League
Embry Tech
Hero House
American University of Armenia
Birthright
Armenian Volunteer Corps
Yerevan State University
UEICT
AGBU
TUMO

Professor Holly Ault
Professor Michael Aghajanian
Professor Paula Quinn
Suzanna Sontgerath
Katherine Chen

Thank You

The WPI Technovation Project Team

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