



NCIIA Resources

Janet Daisley, Vice President, Programs

Rachel Agoglia, Grants Manager

John DesJardins, Clemson University

Penny Herscovitch, Art Center College of Design

open

 **NCIIA**

Mission: Cultivate, Innovate, and Transform

NCIIA supports technology innovation and entrepreneurship to create experiential learning opportunities and successful, socially beneficial innovations and businesses.

NCIIA Program Funders

the **Lemelson** foundation
improving lives through invention



BILL & MELINDA
GATES *foundation*



USAID
FROM THE AMERICAN PEOPLE

Grand Challenges

EXPLORATIONS

open

NCIIA

Our Core Work: Students

NCIIA focuses on cultivating and investing in the next generation of entrepreneurs.



Our Core Work: Faculty

NCIIA engages faculty in training, course development, and institutional change related to technology innovation.



Our Core Work: Networks

NCIIA supports the establishment and growth of communities of practice in entrepreneurship and innovation.



Our Program Portfolio

NCIIA is recognized as the field's leader in funding, training, coaching, and investment to bring innovations to market.

Programs Providing Funding	Programs Serving Networks
Grants Programs	Epicenter <ul style="list-style-type: none">▪ University Innovation Fellows▪ Pathways to Innovation Global Xcelerator Training Program
VentureWell/Investment	I-Corps Program
Biomedical Competitions	OPEN, NCIIA's Annual Conference
	Lean LaunchPad Educators Seminar

EPICENTER

Join the Epicenter community and help empower undergraduate engineering students to bring their ideas to life for the benefit of our economy and society.

UNIVERSITY INNOVATION FELLOWS

training and support for engineering students to lead entrepreneurship and innovation movements on their campuses

PATHWAYS TO INNOVATION

program that guides teams of faculty and administrators through a process of institutional change in engineering education

RESEARCH

studies on program models, entrepreneurial interests of engineering students, and ways to infuse entrepreneurship into technical engineering classes



epicenter.stanford.edu



facebook.com/EpicenterUSA



[@EpicenterUSA](https://twitter.com/EpicenterUSA)



Stanford
University





Offers undergraduate students in engineering and other fields the training and support to lead innovation and entrepreneurship movements on campus

118 Fellows and Candidate Fellows at **92** institutions

Fellows held 124 activities in 2012-13, reaching **9,000** faculty and students

FALL APPLICATION DEADLINE: September 8, 2014
dreamdesigndeliver.org/apply



Pathways to Innovation

The Pathways program enables engineering programs to develop widespread, effective and accessible innovation and entrepreneurship formal and informal offerings for undergraduate engineering students.

➤ **Next RFP: Fall 2014**



Pathways to Innovation
epicenter.stanford.edu



Lean LaunchPad Educators Seminar

“One of the most comprehensive training programs I've ever attended.”

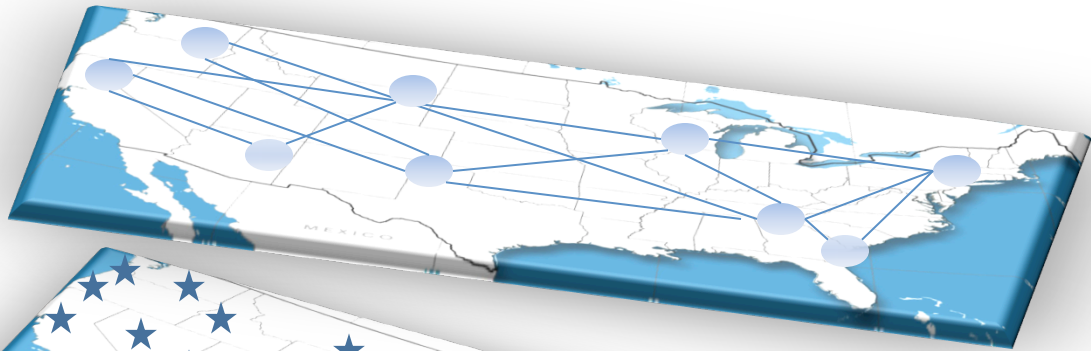
- **April 21-23, 2014**
Stanford University, CA
- Learn to apply the LLP approach on your campus
- nciia.org/llp

We've learned a lot about entrepreneurship. Perhaps our curriculum should reflect what we've learned? - Steve Blank

I-Corps Program Activity

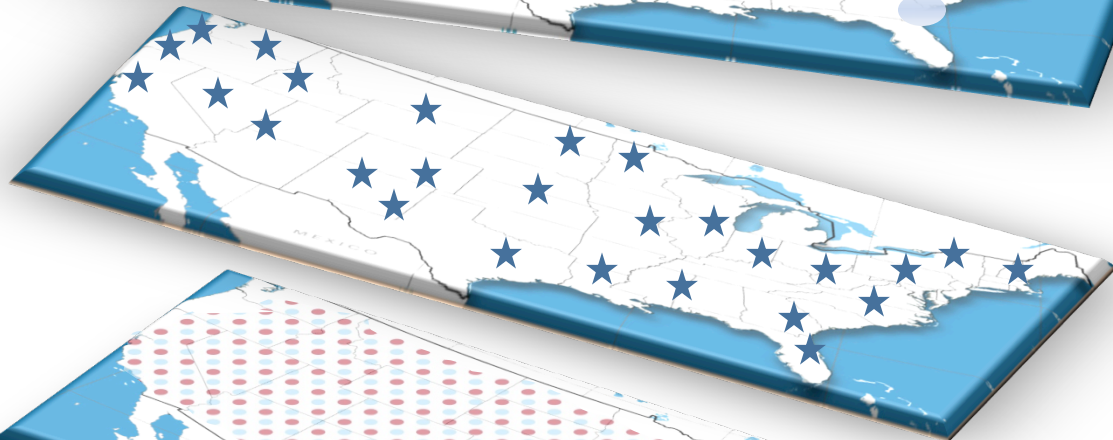
I-Corps Nodes

NCIIA Coordinates National Network of Nodes



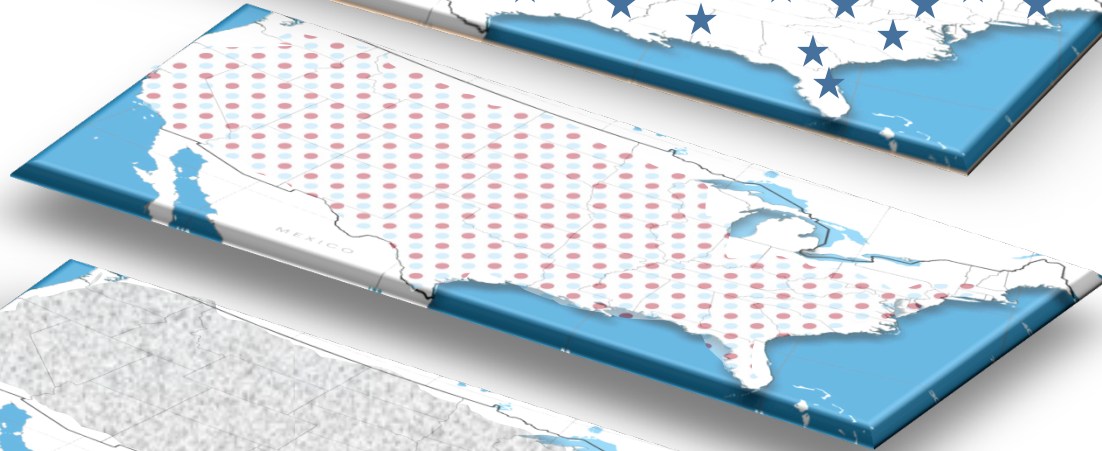
I-Corps Sites

NCIIA collaborates with sites to create pipeline of innovators



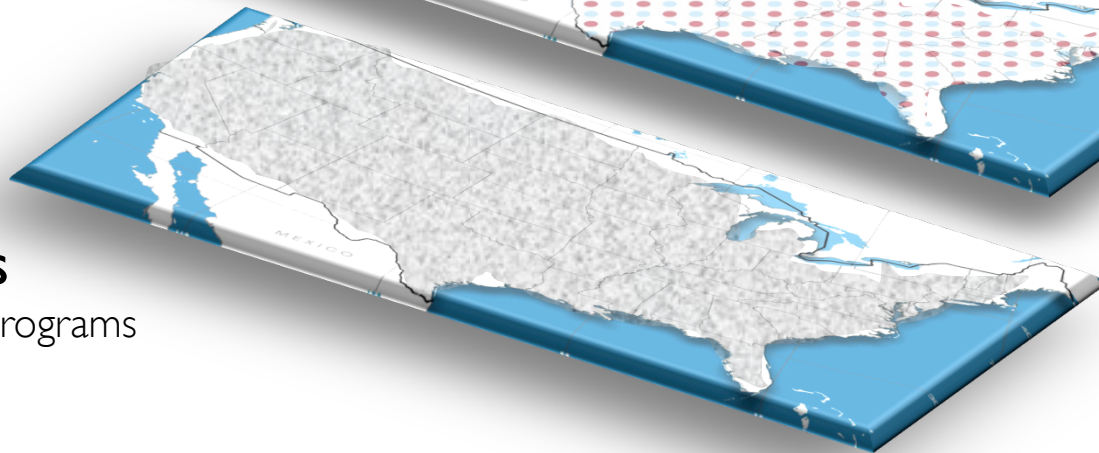
I-Corps Mentors

NCIIA role as coordinator

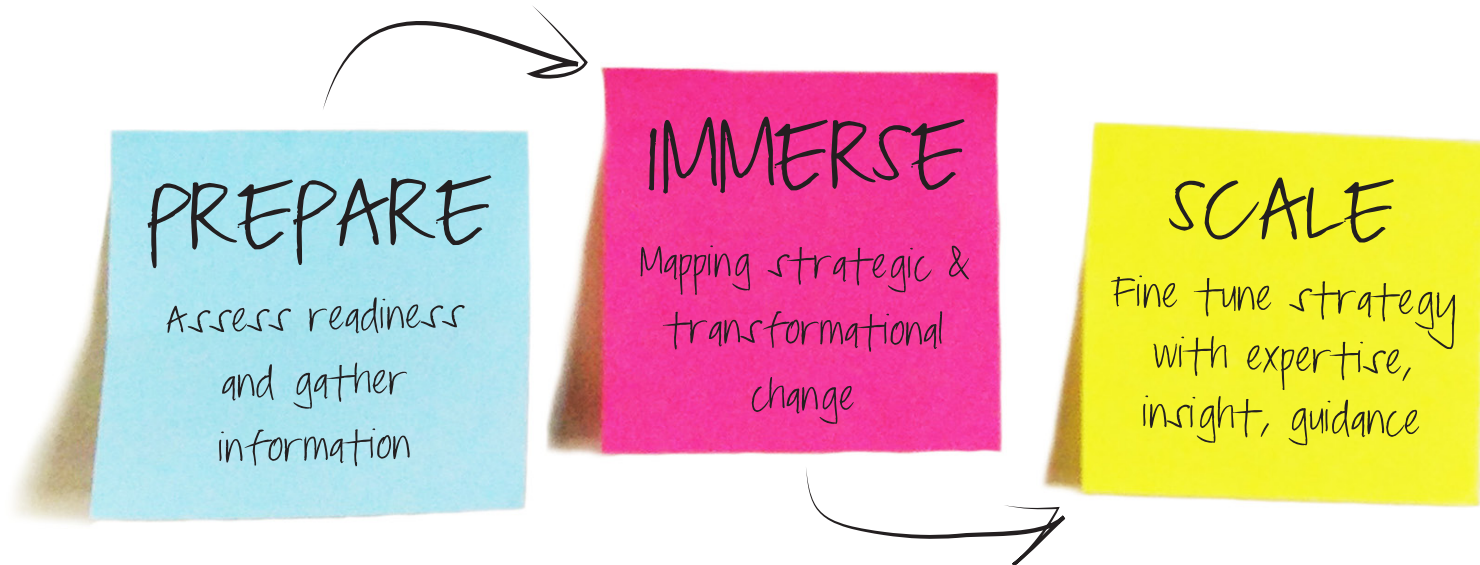


I-Corps Teams

NCIIA runs training programs



How do you get from a great idea to impact?



XCELERATOR

ACCELERATING IMPACT AND TRANSFORMING LIVES
THROUGH INVENTION AND INNOVATION

Funding

NCIIA awards 1.4 million dollars in funding annually to students and faculty

**Funding
for
Students**

**Funding
for
Faculty**



2014
BME
UNDERGRAD **start**

BME **idea**

NCIIA offers two competitions that recognize
innovative medical technologies developed by
student entrepreneurs

- **BMEidea:** for grad & undergrad student teams
Up to \$10,000 | Next deadline April 4
- **BMEStart:** for undergrad student teams only
Up to \$10,000 | Next deadline May 23

open

 **NCIIA**

NCIIA E-Team Program

Our E-Team Program provides funding and training to help collegiate entrepreneurs move innovations out of the classroom and into the market

Upcoming submission deadlines:
May 9 and Oct. 3



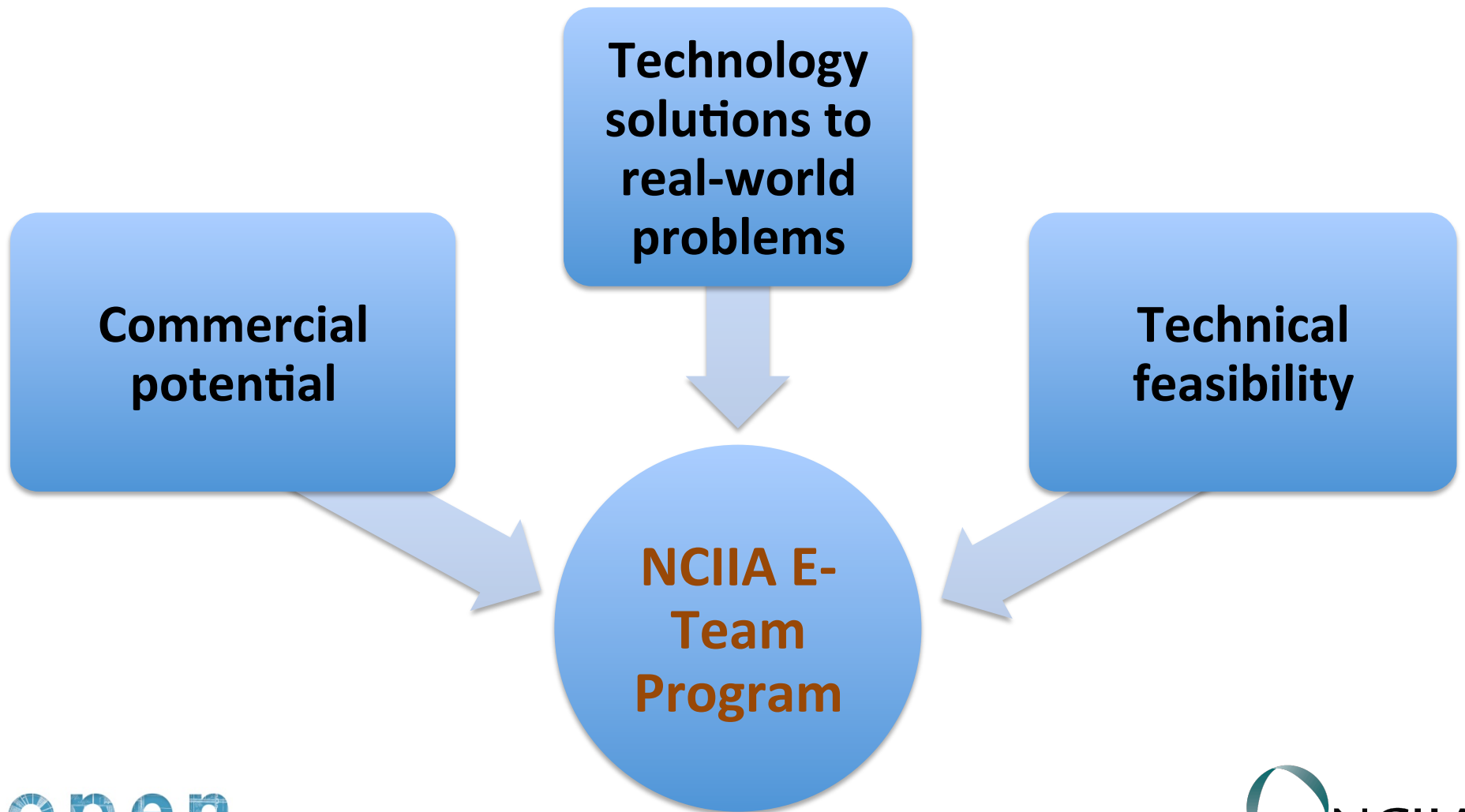
Don't miss Open Minds Saturday night!

17 NCIIA E-Teams will
showcase their ventures at the
Tech Museum

open



Successful Proposals



2013-14 E-TEAM PROGRAM

accelerating technology invention & innovation for scalable impact



STAGE 1

\$5,000
funding

40 teams

Market analysis

Value proposition
development



STAGE 2

\$20,000
funding

20 teams

Business model
development

Coaching



STAGE 3

\$50,000
investment opportunity

2-3 teams

Investment
readiness

Peer-selected
capital

Stage 3/VentureWell

NCIIA'S development and investor readiness program, in partnership with VillageCapital

- For-profit ventures
- Peer-selected investment
- NCIIA E-Teams + outside teams

Annual sector-specific rounds

- **Fall: Cleantech** (*energy, water, materials, waste*)
- **Spring (apply by April 7): Health** (*devices, diagnostics, software solutions*)



www.vilcapventurewell.org



NCIIA Course and Program grants

Course and Program grants strengthen existing or build new courses/programs in invention, innovation, and technology entrepreneurship.

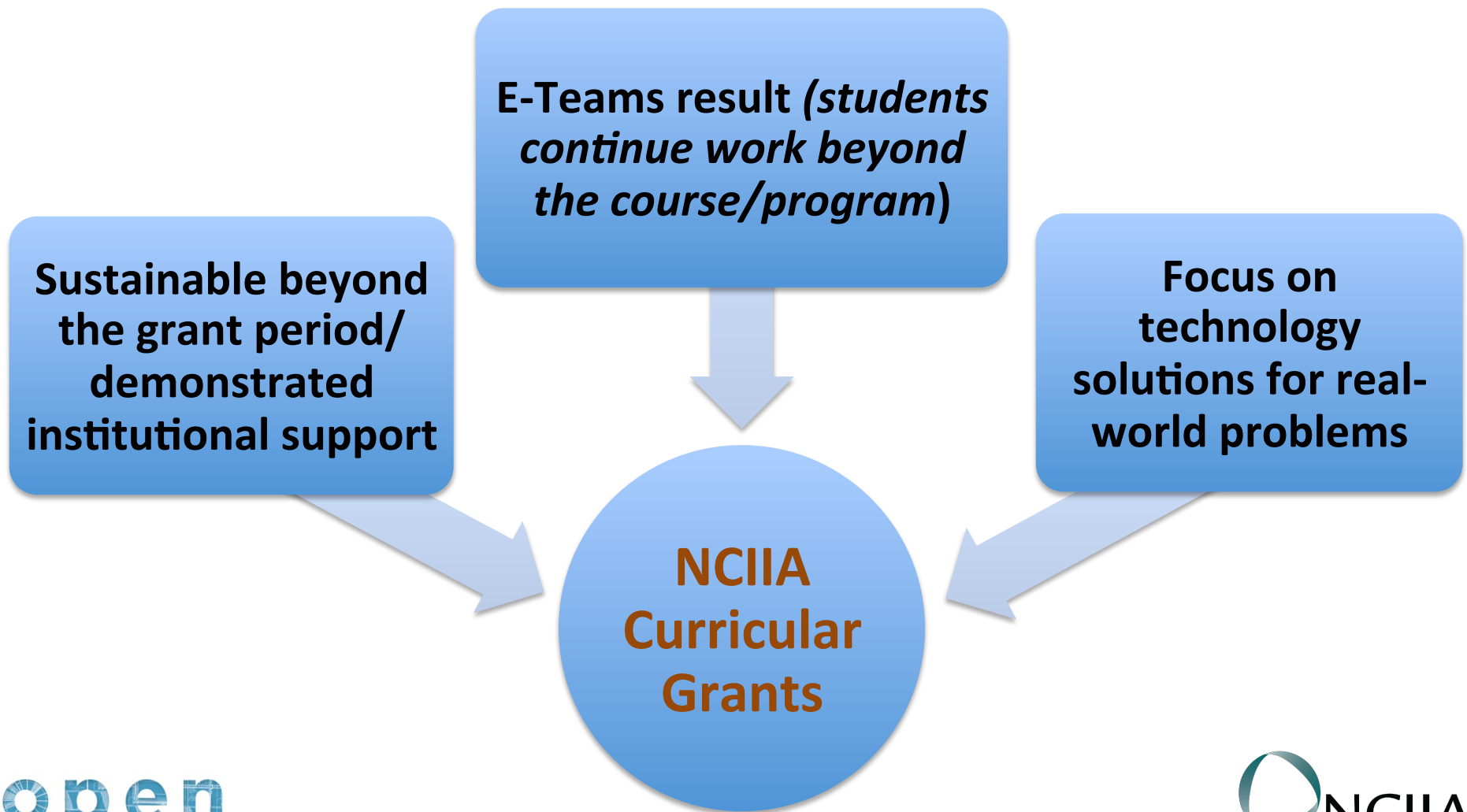
- Up to \$50,000
- Upcoming submission deadlines: **May 9** and **November 7, 2014**

NCIIA Sustainable Vision grants

Sustainable Vision grants fund educational programs in which student teams create and commercialize technologies that benefit people living in poverty.

- Up to \$50,000
- Upcoming submission deadline **November 7, 2014**

Successful Proposals



Proposal Success

Technology Innovation

green materials, cleantech, medical devices, technologies for emerging markets, mobile & web-based technologies, etc.

Entrepreneurship

- **Out of the classroom/out of the lab*
- **Commercial potential*
- **Meaningful student involvement*

Social Impact

- **Solves real-world problem(s)*
- **Improves people's lives*
- **Positive environmental impact*

Strength of Team

- **The right team with the relevant expertise*
- **Demonstrated commitment & sustainability*

Top Reasons for Rejection

- 1. No entrepreneurship** (*too research-focused, no path to commercialization/project(s) begin and end in the classroom*)
- 2. No tech innovation** (*not convinced it's new*)
- 3. Too faculty-driven** (*too little student involvement or ownership opportunity*)

Top Reasons for Rejection (cont.)

4. No clearly defined social impact
5. Lack of expertise on the team/no advisors
6. Unclear proposal (*“ask” isn’t compelling, no budget justification, too much jargon, sloppy*)

Top Reasons for Rejection (cont.)

7. Not sustainable

8. Not scalable

9. No resulting E-Teams (*curricular grants only*)

10. No connection to existing resources on campus
(*curricular grants only*)

Grantee Panel

John DesJardins, Clemson University

*Proposal Reviewer, E-Team PI,
Course & Program Grantee, BME Competitions,
University Innovation Fellows Champion*

Penny Herscovitch, Art Center College of Design

E-Team PI, Sustainable Vision grantee

More Information

Epicenter

Pathways to Innovation

Liz Nilsen, Senior Program Officer: lnilsen@nciia.org

University Innovation Fellows

Humera Fasihuddin, Senior Program Officer: humera@nciia.org

Funding

E-Team Program/VentureWell/BME Competitions

Joseph Steig, Director of Venture Development

Email abstracts/schedule a time to talk: eteams@nciia.org

Course & Program, Sustainable Vision

Jennifer Keller Jackson, Senior Program Officer

Email abstracts/schedule a time to talk: facultygrants@nciia.org