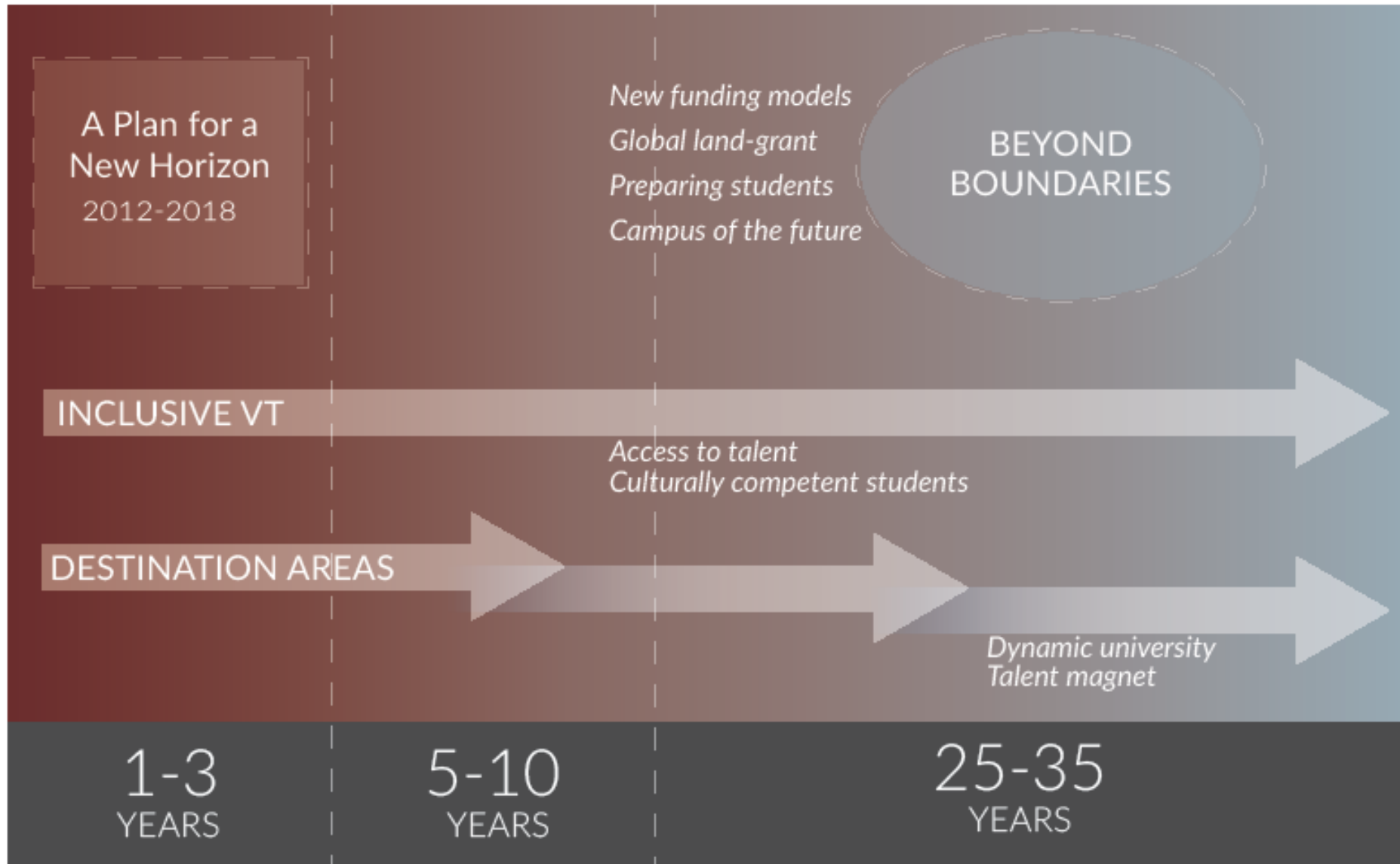


ENVISIONING VIRGINIA TECH

BEYOND BOUNDARIES

A Plan for Continuous Innovation at Virginia Tech



GOALS AND FOUNDATION

1. To advance as a global land-grant university with international distinction.
2. To strategically address the challenges and opportunities facing higher education institutions.



A GENERATION FROM NOW

Life and work will be

more global, mobile, technology-mediated, specialized, interconnected; less steady/stable

Students will seek

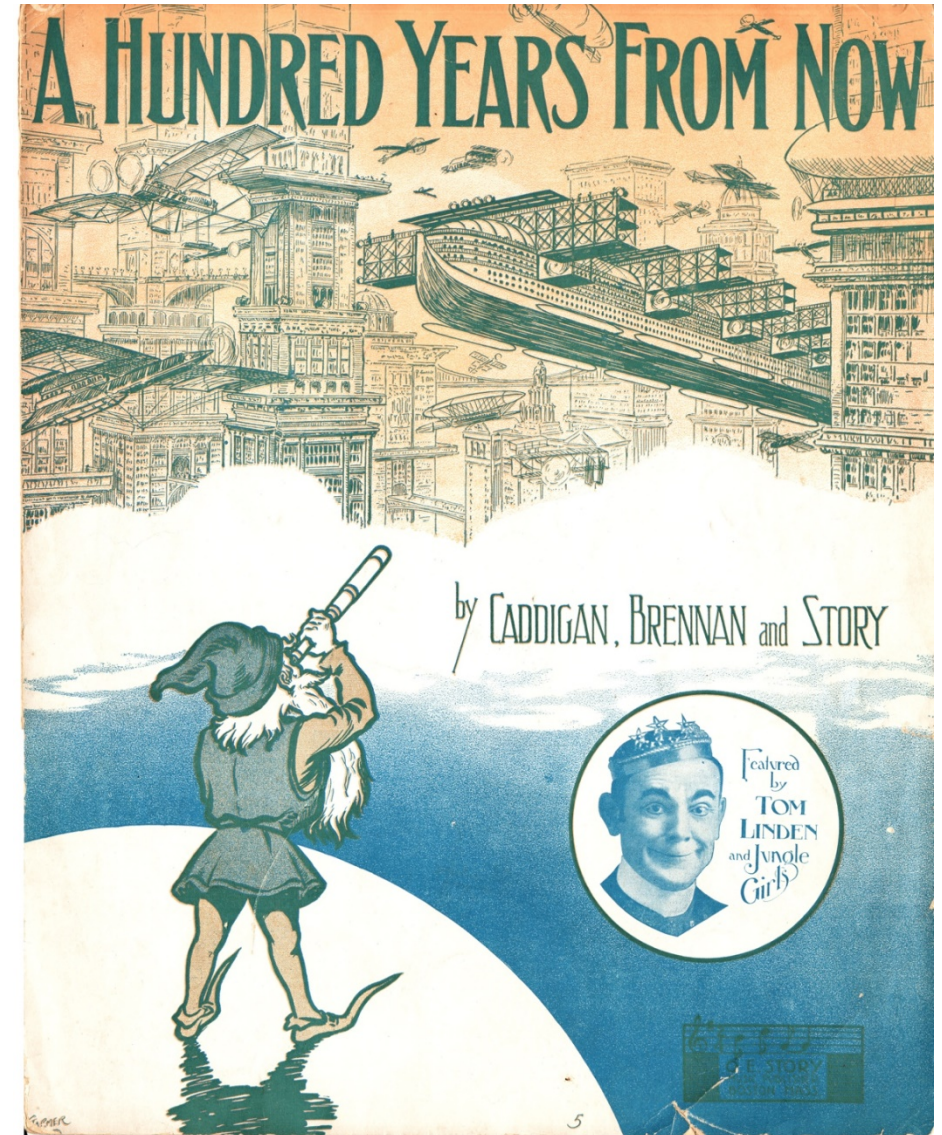
knowledge, expertise, opportunity, flexibility, *jobs*;
but also *purpose* and *meaning*

The campus will

comprise heterogeneous networks and innovation hubs
facilitated by technology

Virginia Tech must

reflect the world in which students live and work, differentiate itself with unique value and personalized education; be sustainable, adaptable, and reflexive



Brennan Caddigan, *A Hundred Years from Now*, 1914



VT-SHAPED PEOPLE

‘VT-shaped’ students with:

Disciplinary depth

Interdisciplinary capacities

Purpose-driven engagement



COMMUNITIES OF DISCOVERY

Human-centered environments

Engage the whole person, cultivate empathy, inclusive, a culture of mentoring

Empowering opportunities

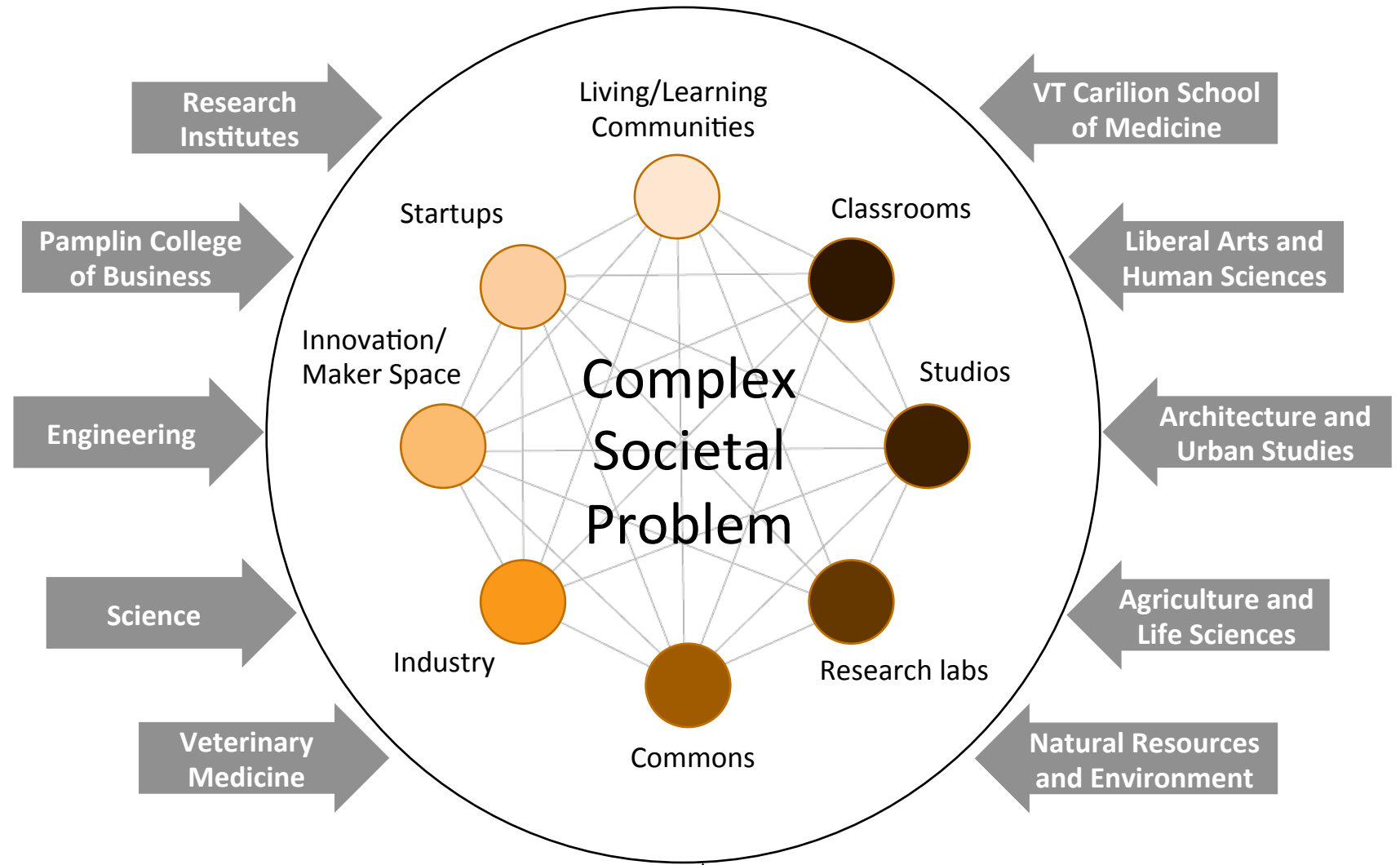
Flexible, experiential, interdisciplinary

Purpose-driven learning

Real-world projects on matters of concern in collaboration with multiple stakeholders



INTEGRATIVE INNOVATION HUBS

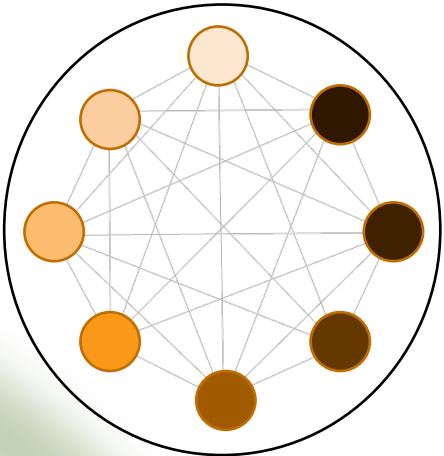
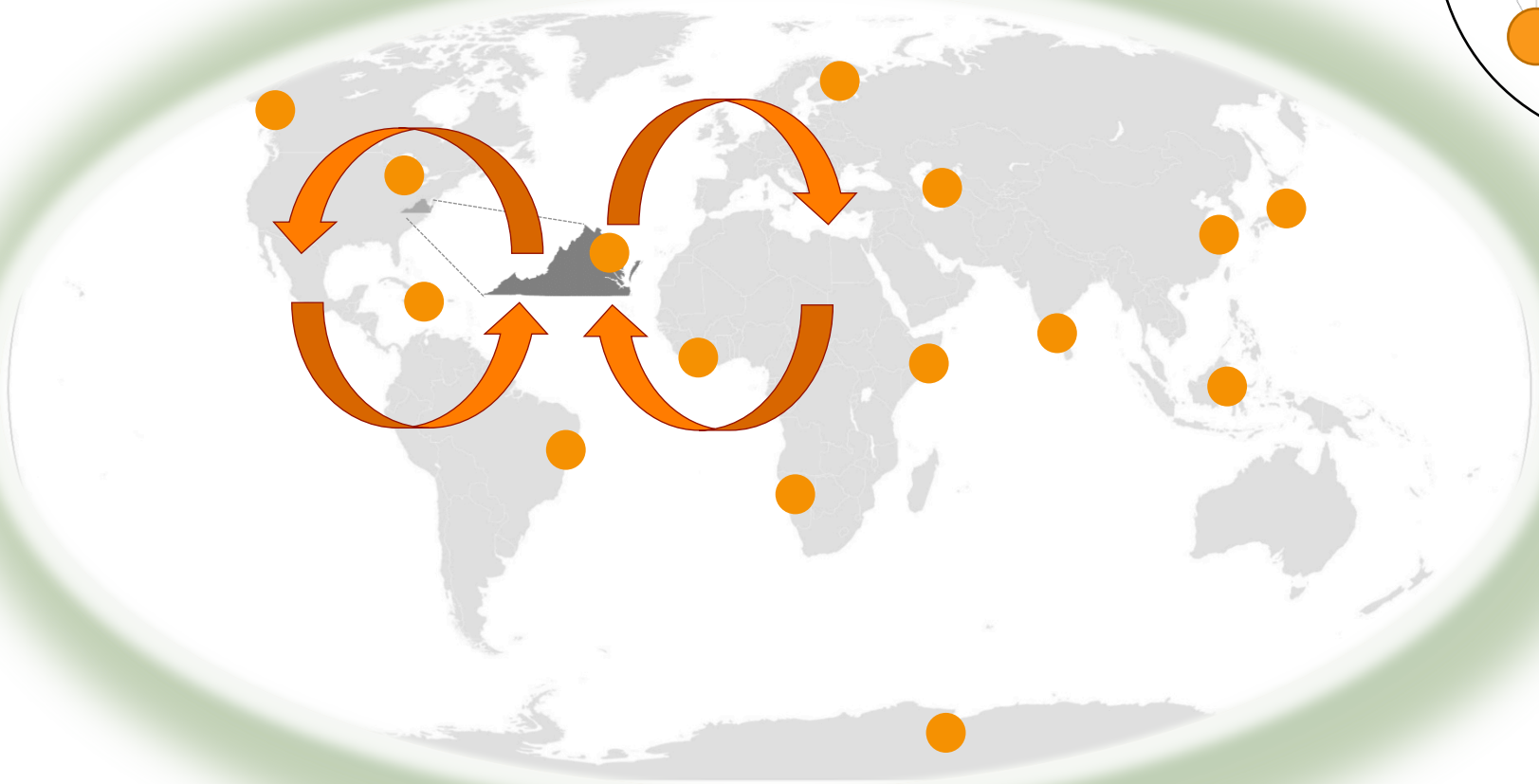


Human-Centered
Smart Environments



GLOBAL ENGAGEMENT HUBS

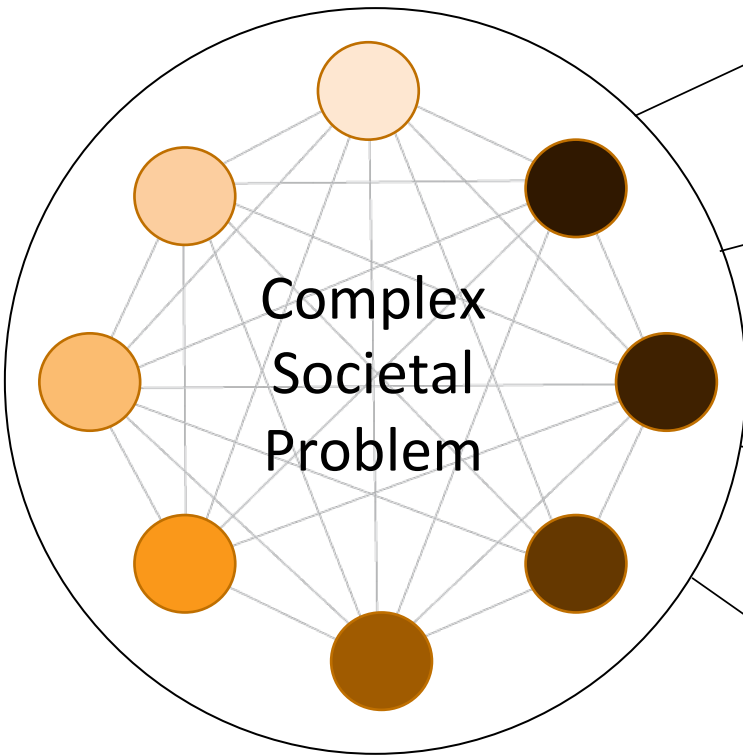
PROJECTED UNIVERSITY



HUMAN-CENTERED SMART ENVIRONMENTS



HUMAN-CENTERED SMART ENVIRONMENTS



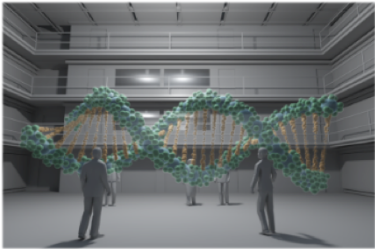
Living labs



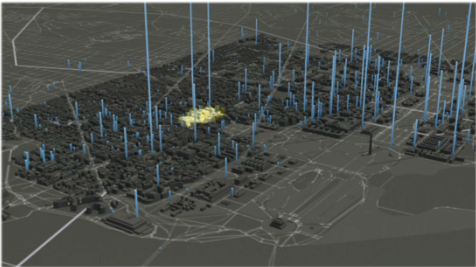
Augmented reality/Telepresence



Virtual environments



Complex system simulations

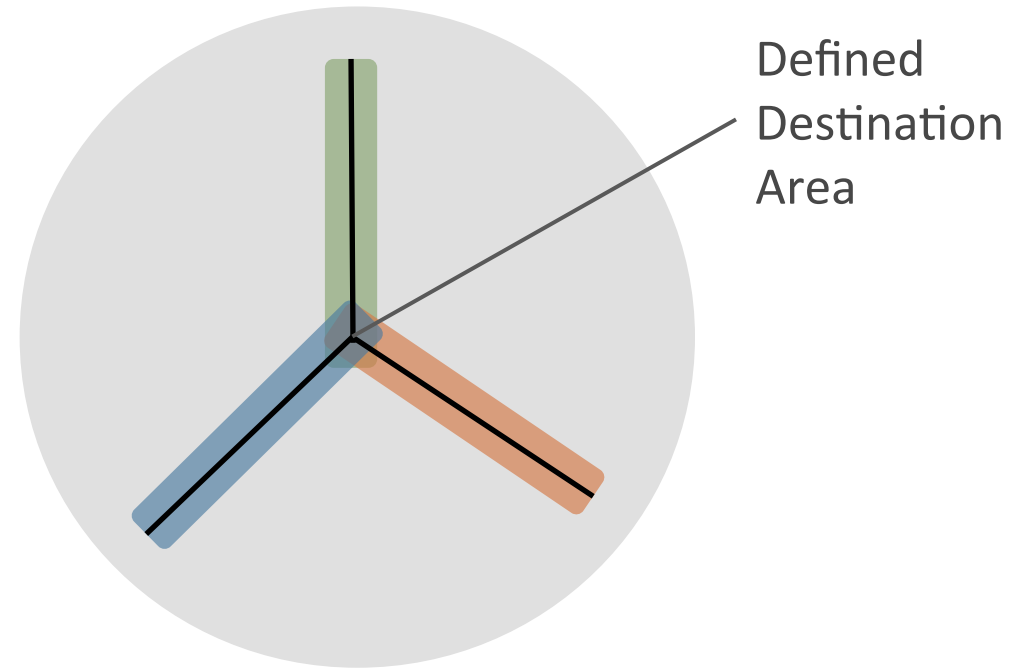


APPLYING DISCIPLINARY EXCELLENCE TO COMPLEX PROBLEMS

Specific disciplinary envelopes occur with the academic factoring of complex problems.

Disciplinary excellence and important problems thus yield destination areas.

Complex Properties
of a Societal Problem

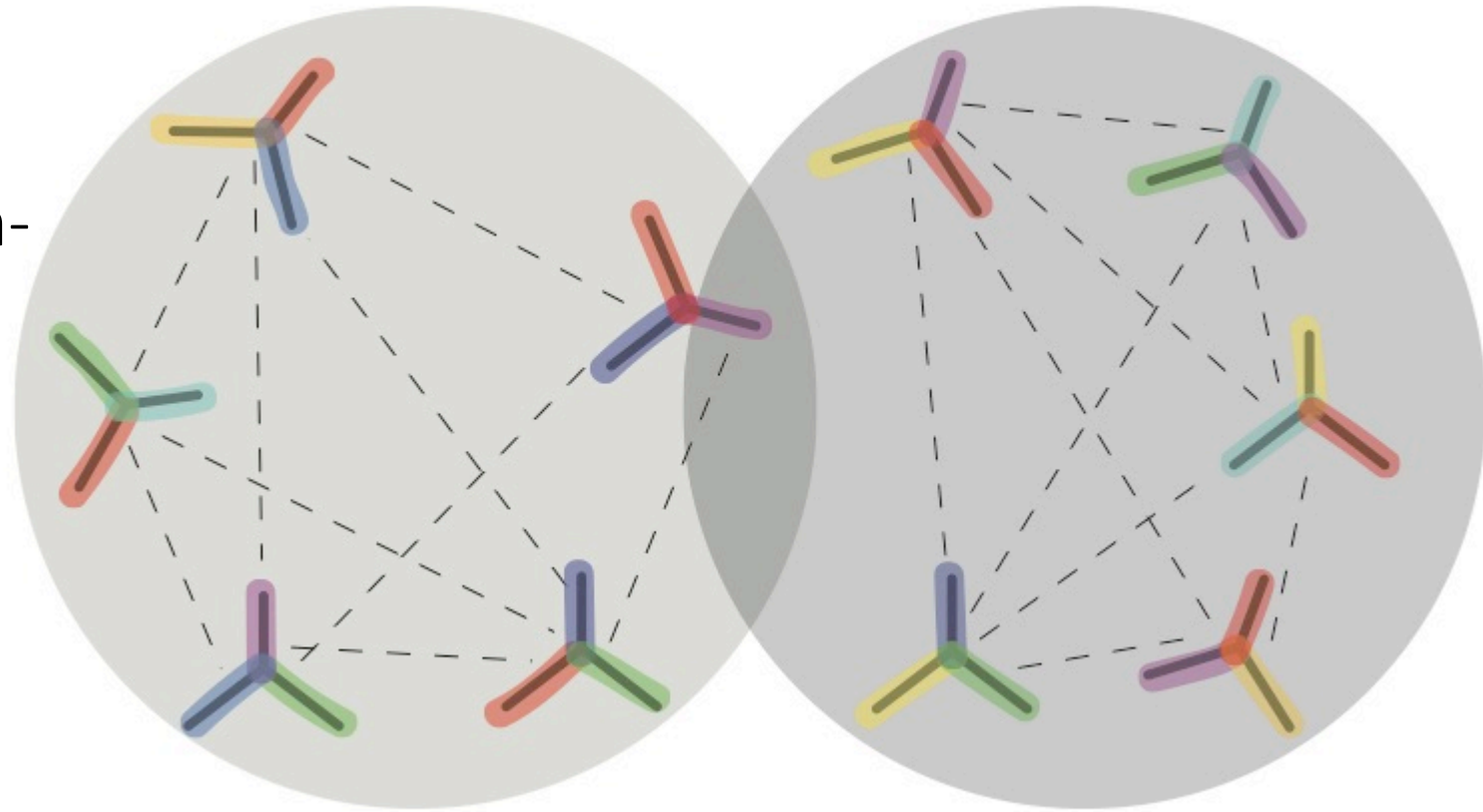


Feed the World



GLOBAL LIVING LABORATORY

Network of many actual problem-situated disciplinary institutions, forming a “living laboratory” of distributed institutions.



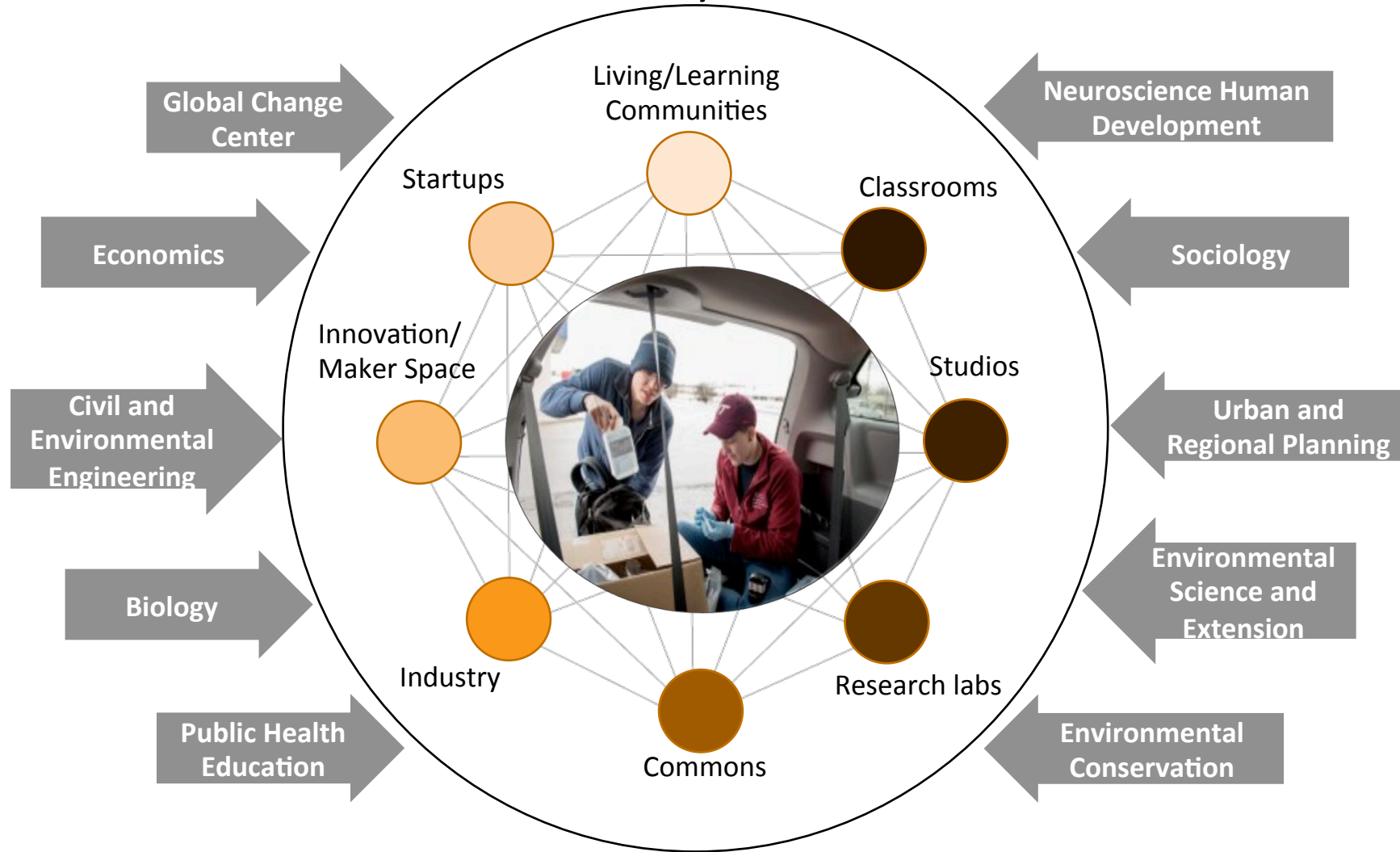
Feed the World

Build the World



INNOVATION HUB

Water Systems



Human-Centered
Smart Environments



A CONTEMPORARY FUNDING VISION

Moving forward as a global land-grant university, Virginia Tech will develop and implement innovative and agile financial models dedicated to academic excellence, world-class research, and *Ut Prosim*, while advancing access and affordability.



2047 FUNDING MODEL

Agile funding strategies

- Generating new learner-centered revenues
- Developing world-class philanthropy
- Creating new partnerships
- Evaluating Value to Experience (VTX)



World-class
research

Ut Prosim

Academic
excellence



2016 → 2026 → 2047

We are always students

VT cultivates discovery from childhood throughout lifetime

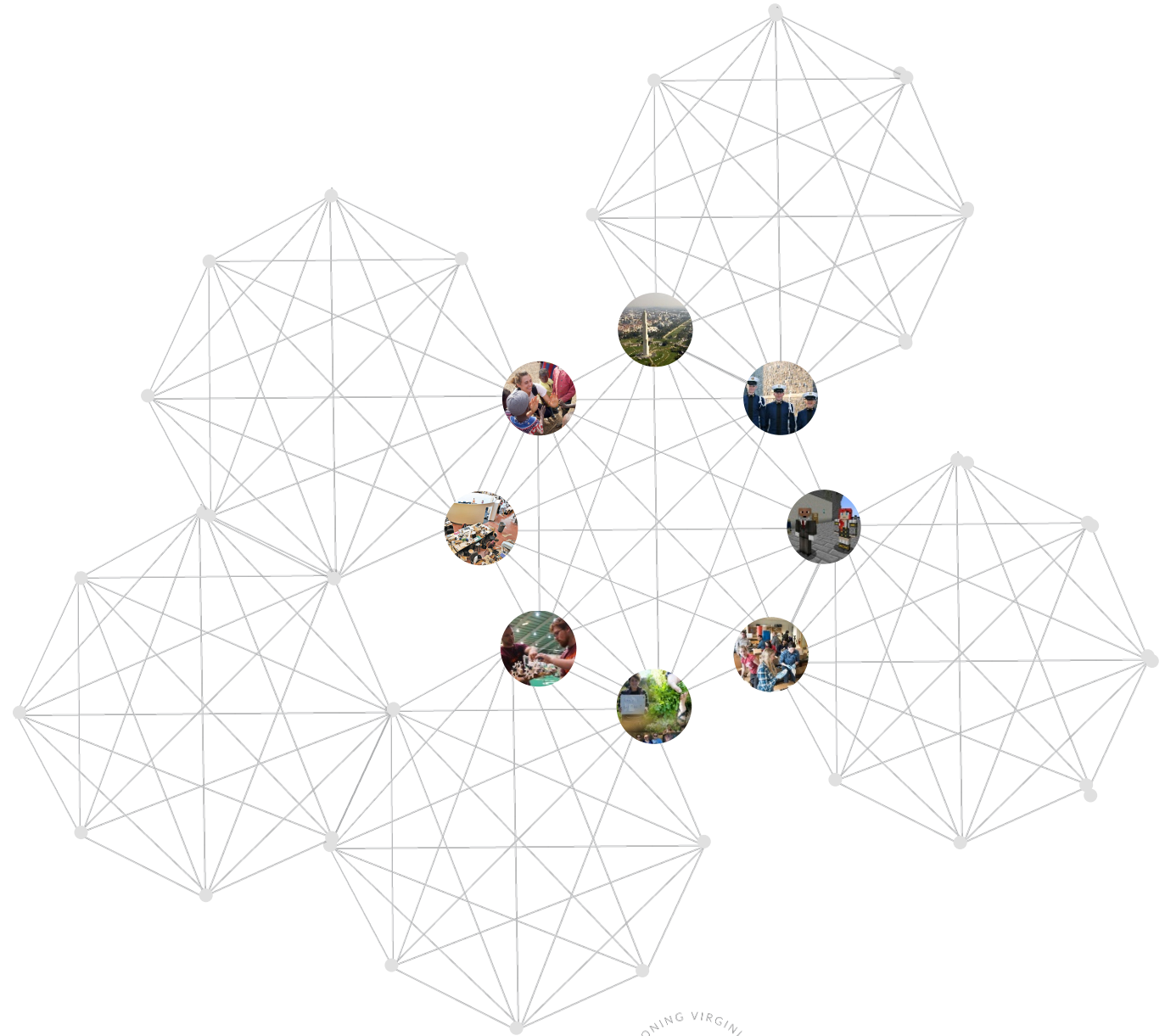
Whole world is the campus

students access learning wherever and whenever they need it

Evolving pathways

curriculum is adaptive, customizable, inclusive, to each learner; unbound from grades and credit hours

Framework for continuous innovation



ENVISIONING VIRGINIA TECH

BEYOND BOUNDARIES
