

Distributed Mesh Infrastructures

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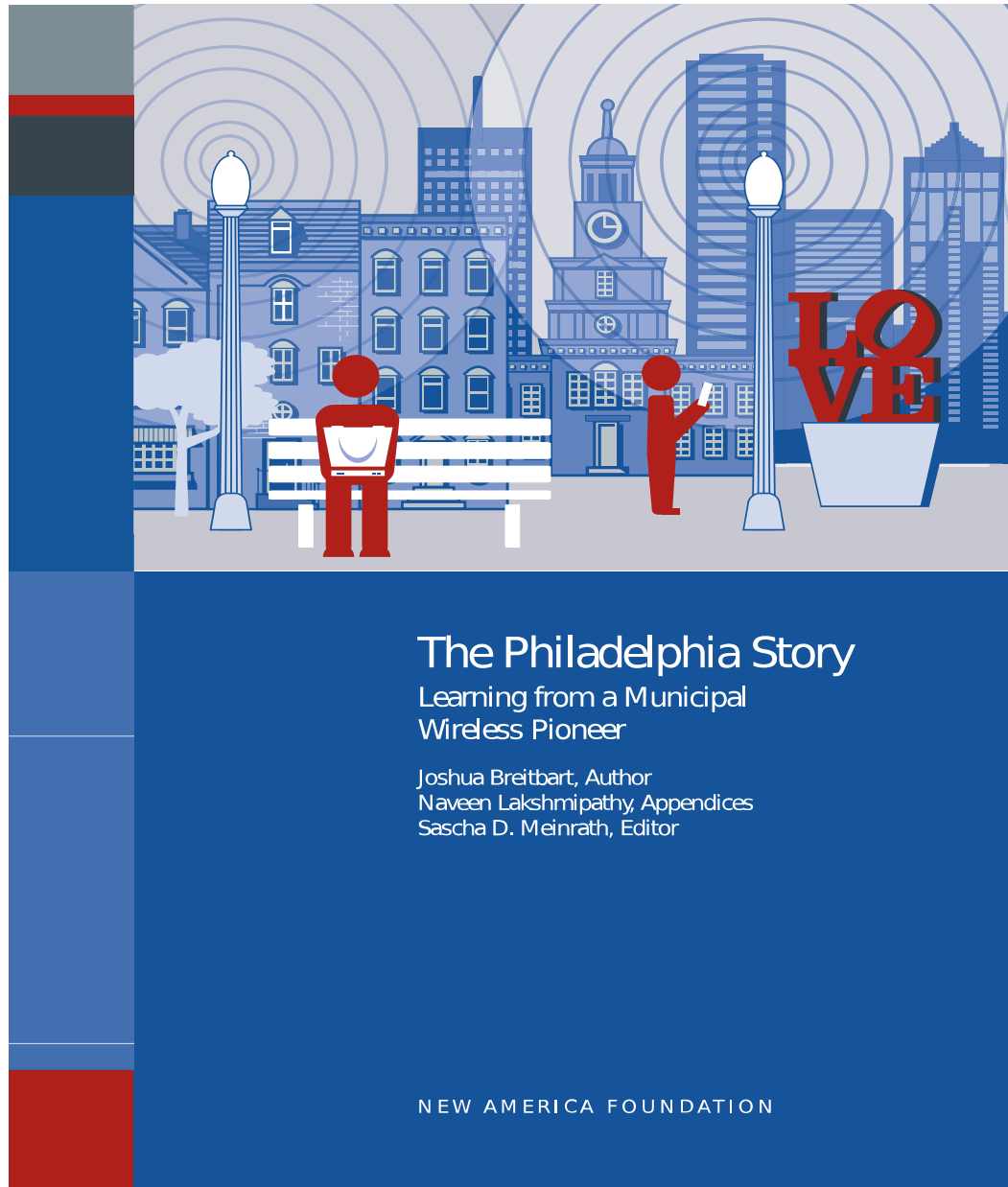
Lead Technologist, Open Technology Institute



New America Foundation's
OPEN TECHNOLOGY INSTITUTE

OTI Mission Statement:

The Open Technology Institute empowers individuals and communities through policy research, applied learning, and technological innovation.



POLICY

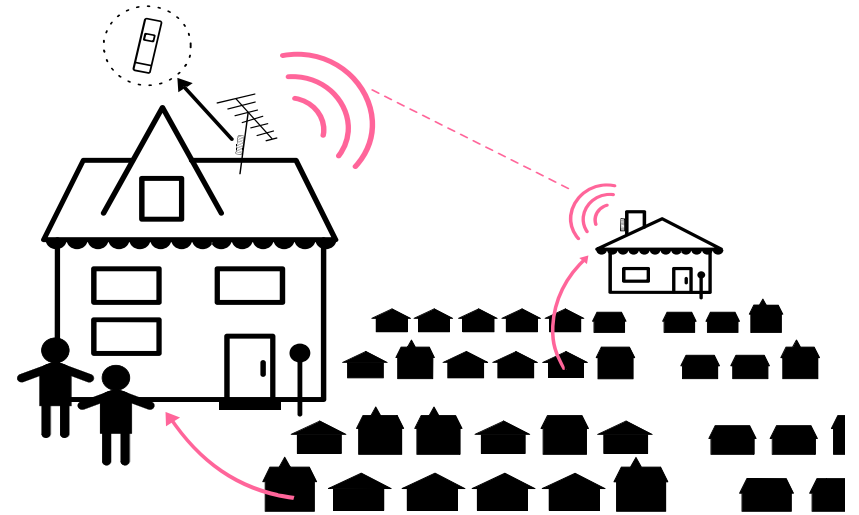


Research and Analysis

((FIELD)) A

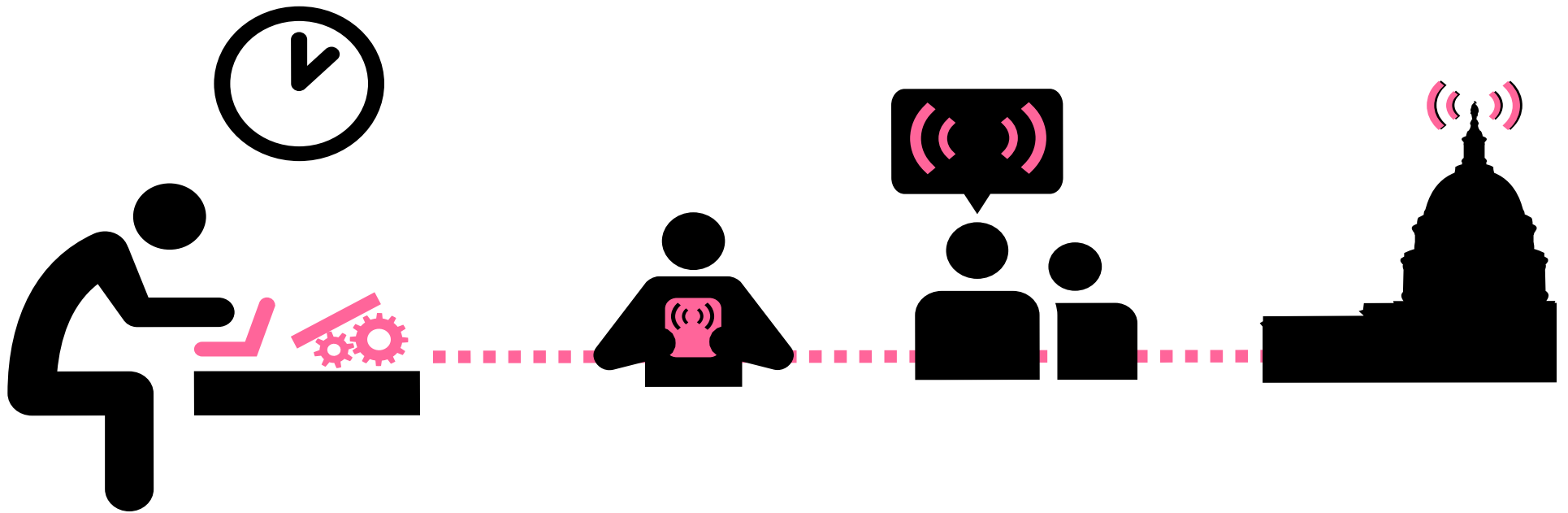


Demonstration

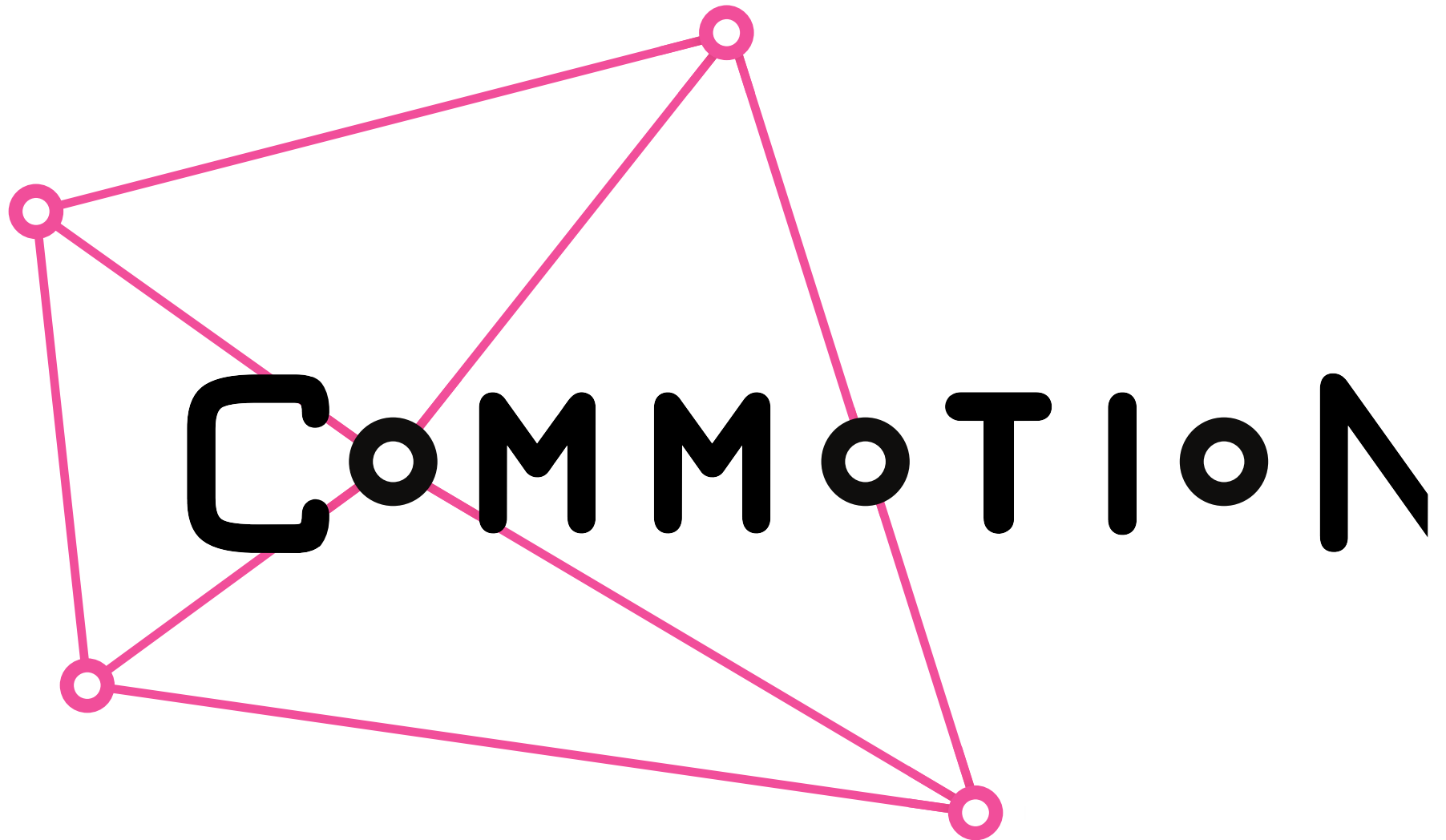


- Deployment
- Research
- Evaluation
- Pilot Sites
- Analysis
- Documentation

TECH.



Create to Engage



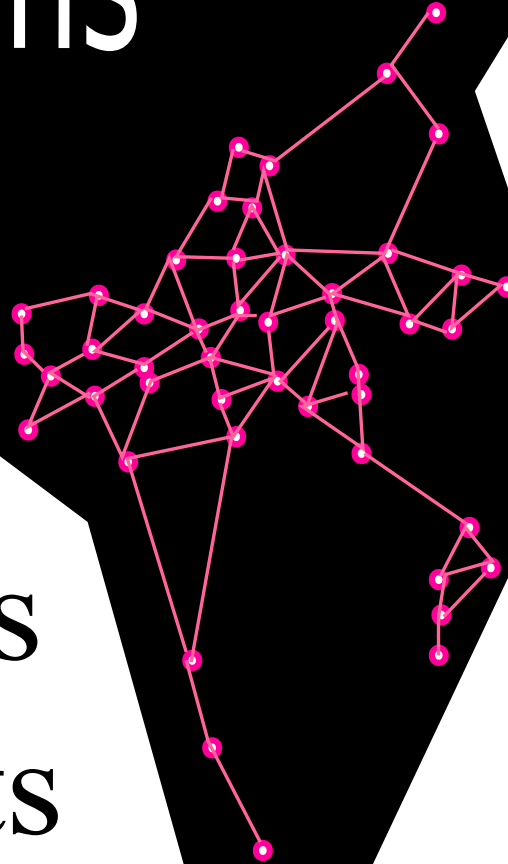
Distributed Networks

- Making innovative network tech local
- Innovation at edges as well as core

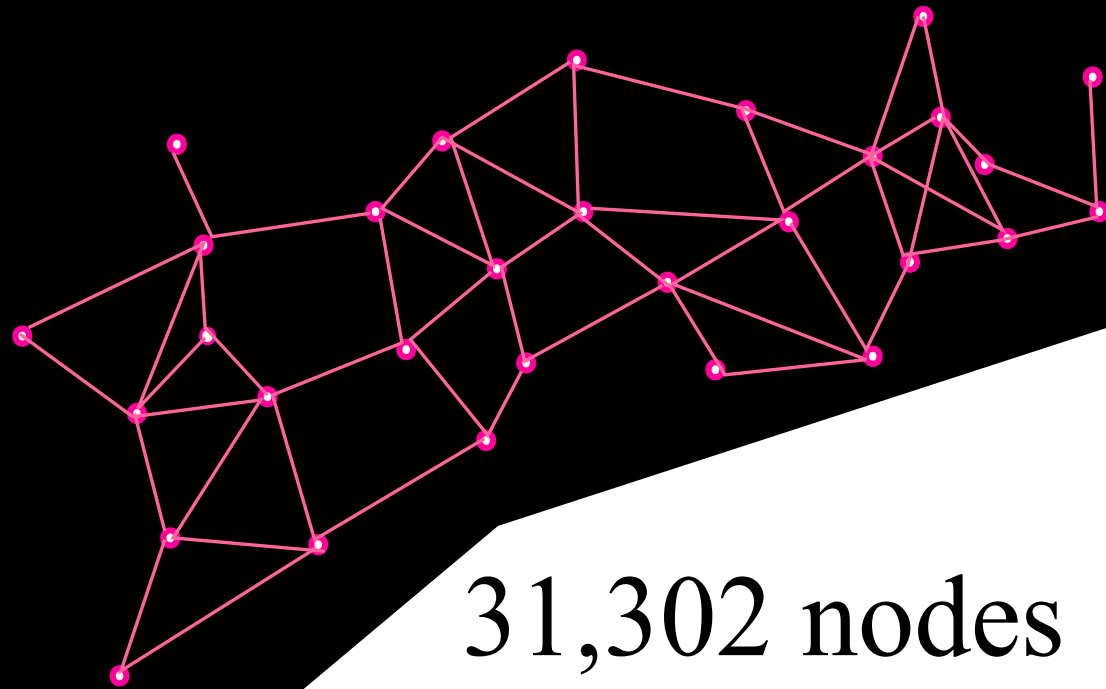


Athens

1120 nodes
2900 clients



Guifi.net



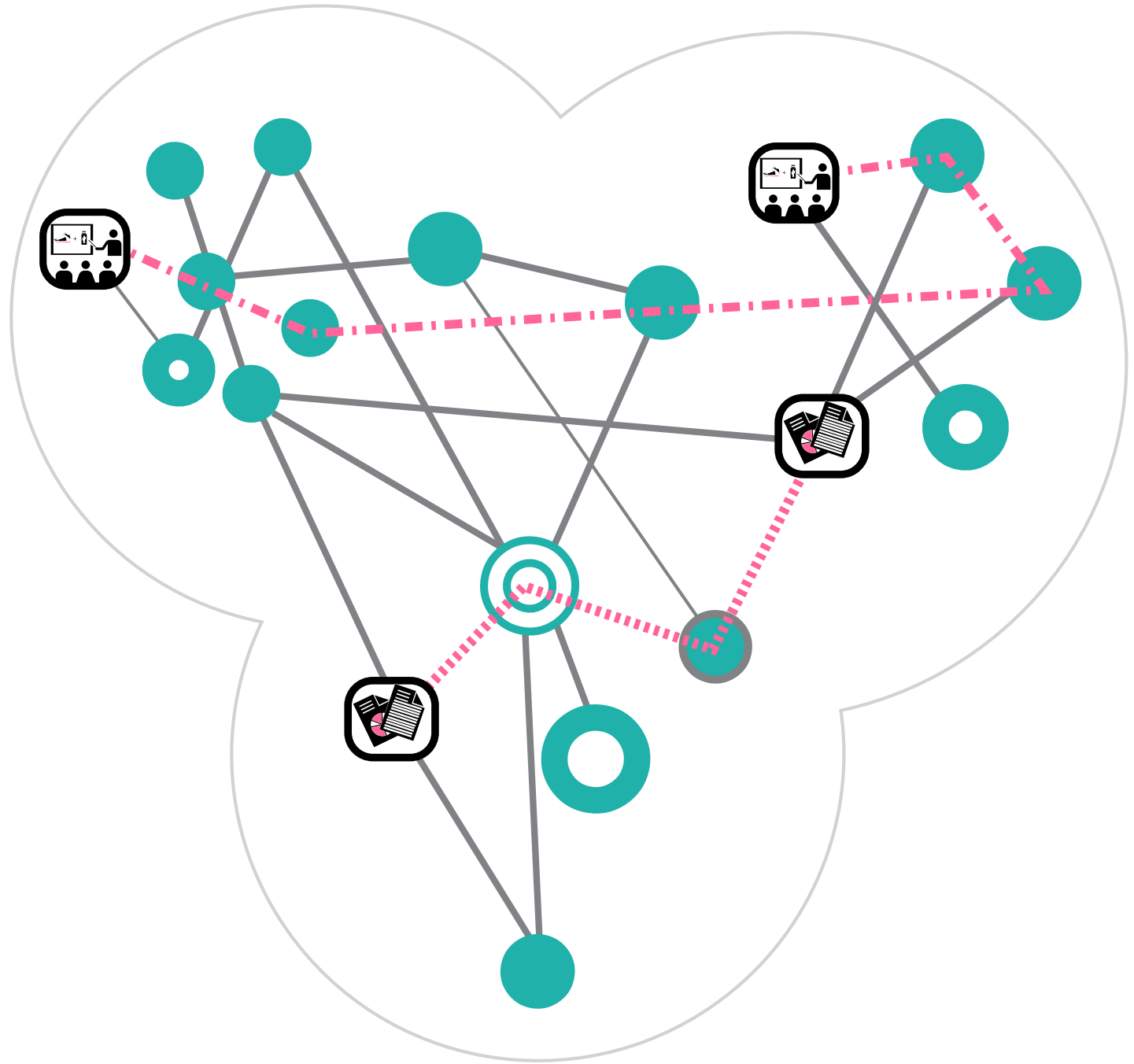
31,302 nodes

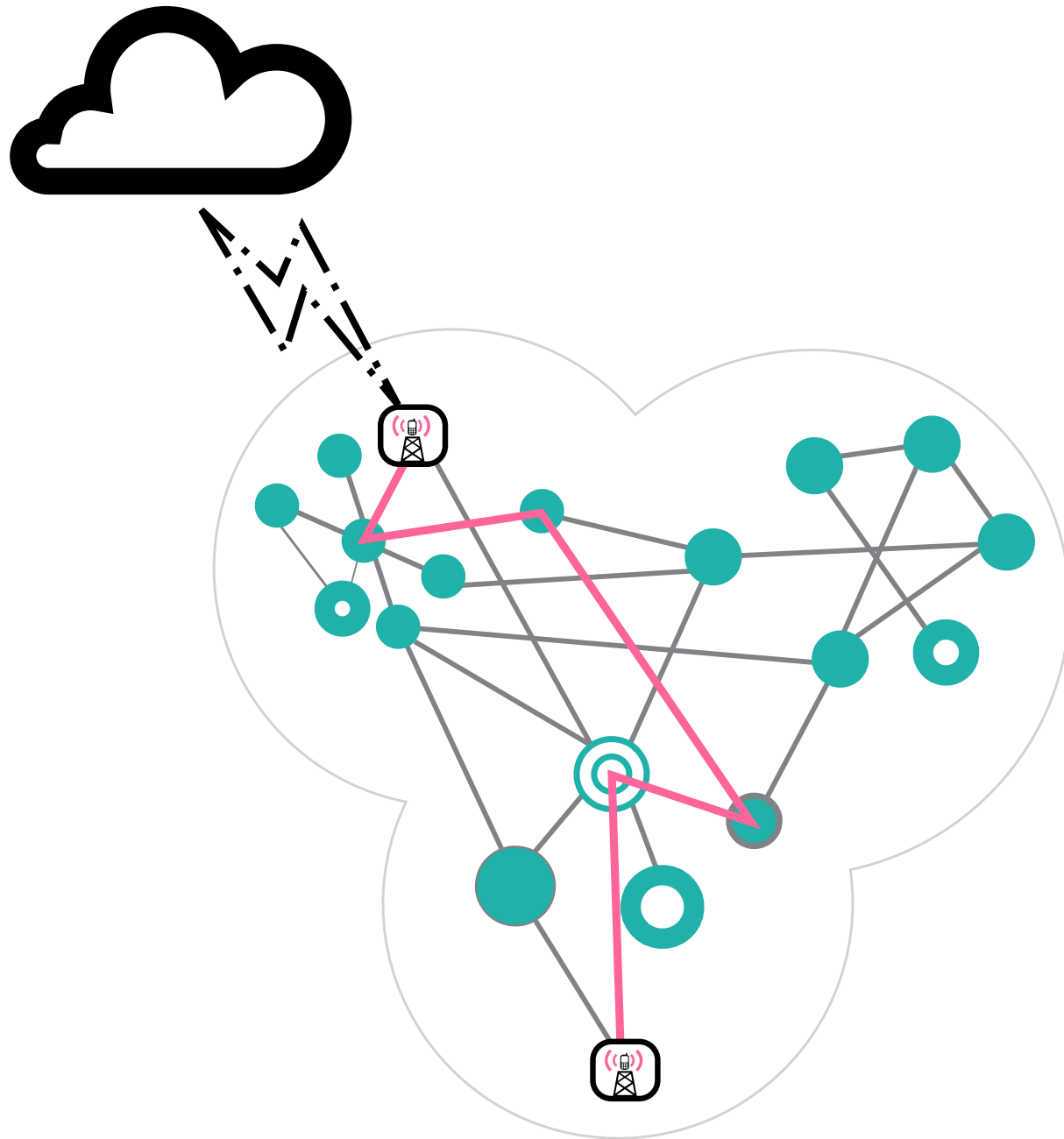
36,465km of links

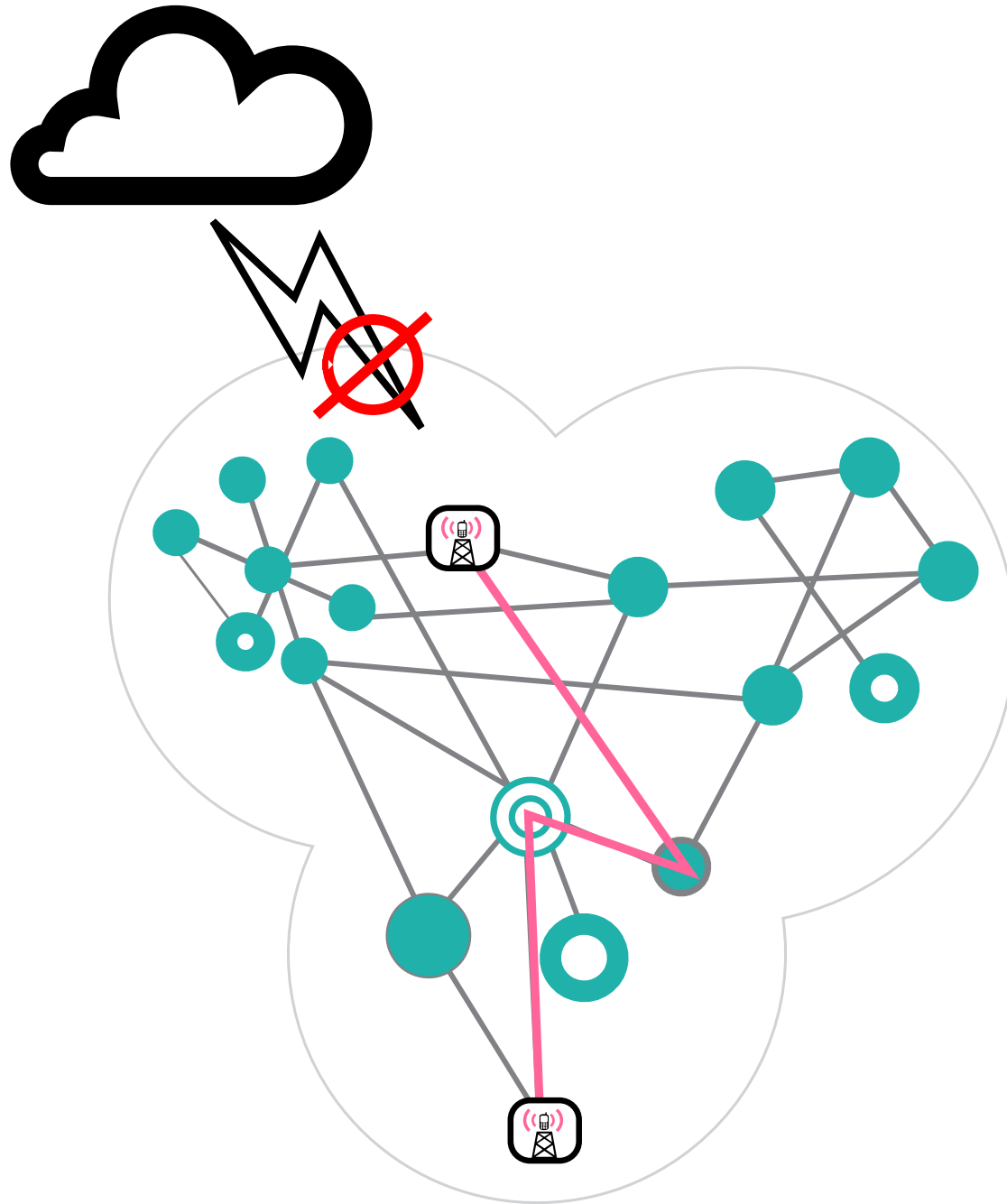


Opportunities

- Delay tolerance
- Disruption tolerance
- Local Applications
- New use cases
- More...

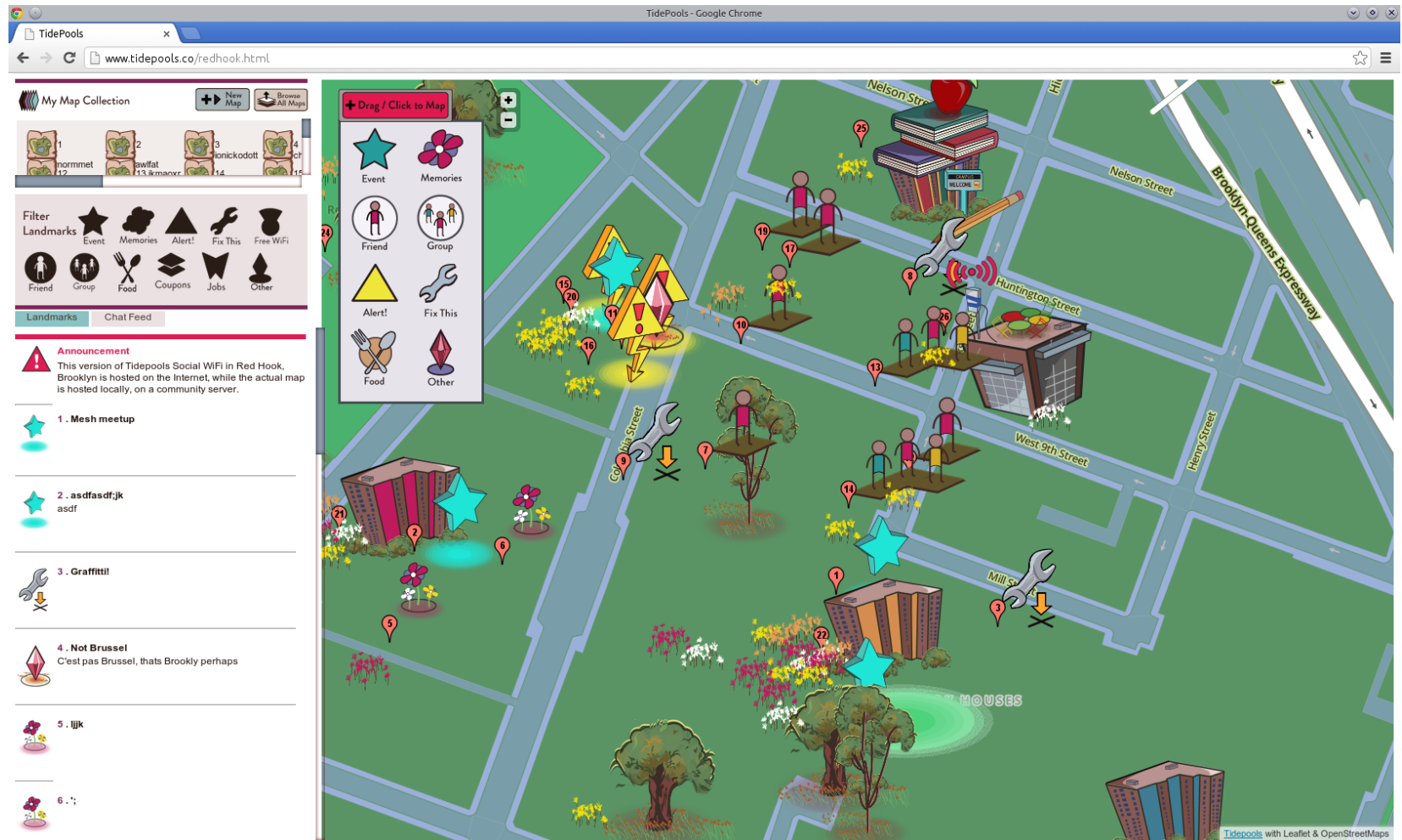


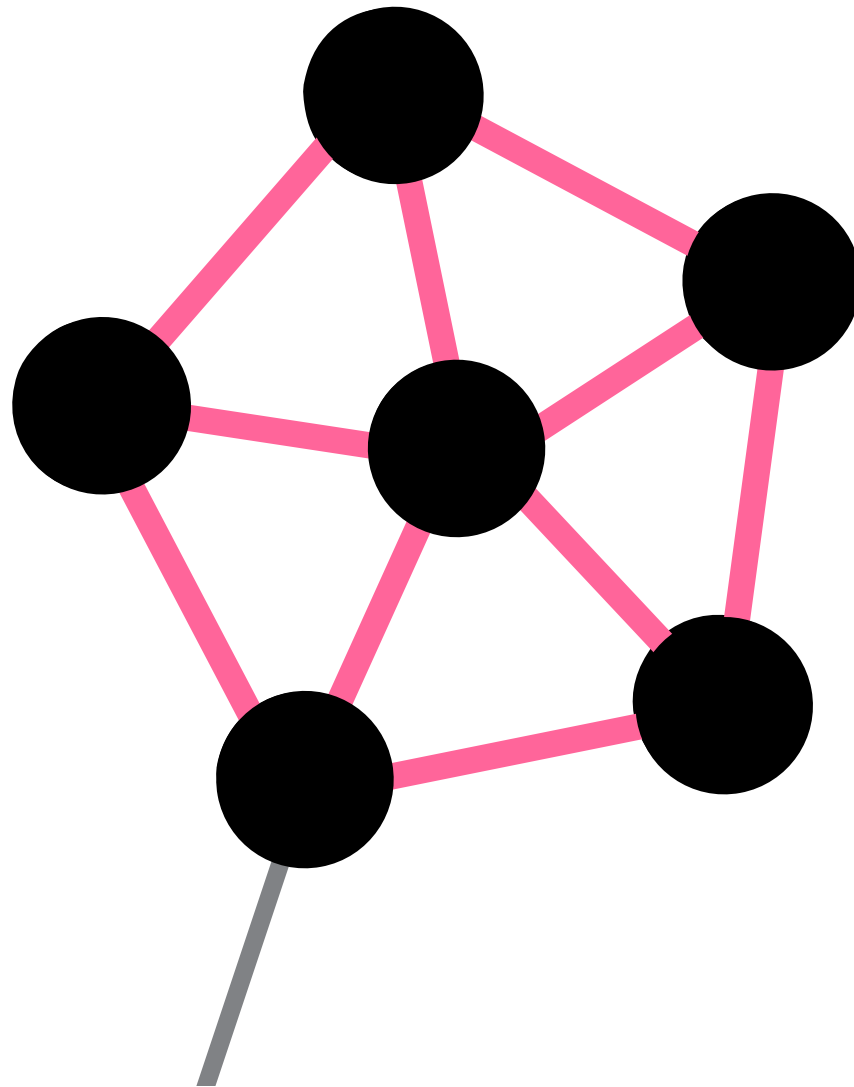


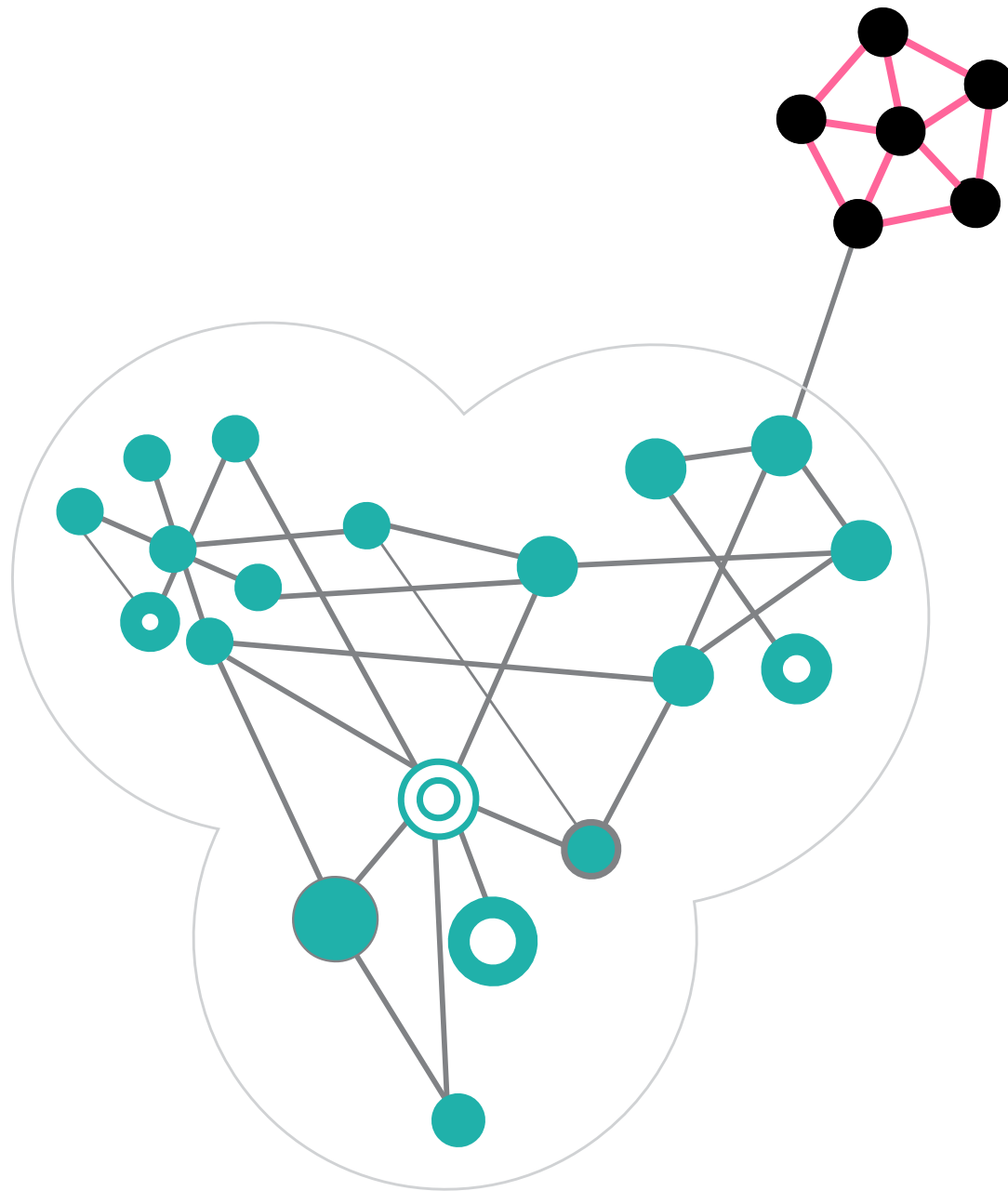


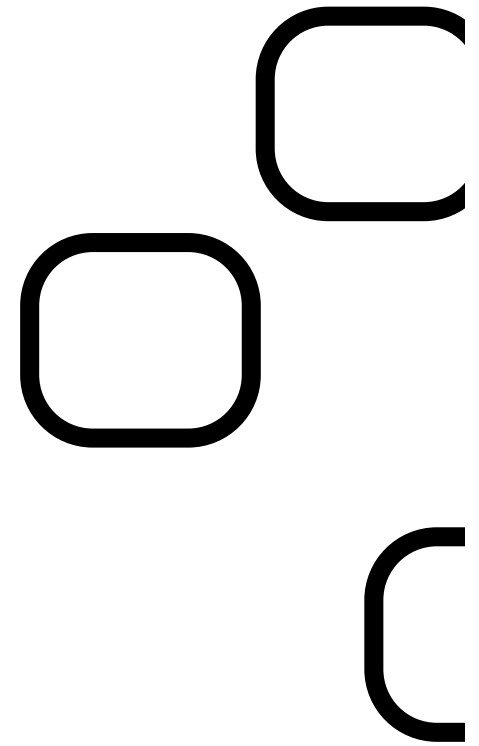
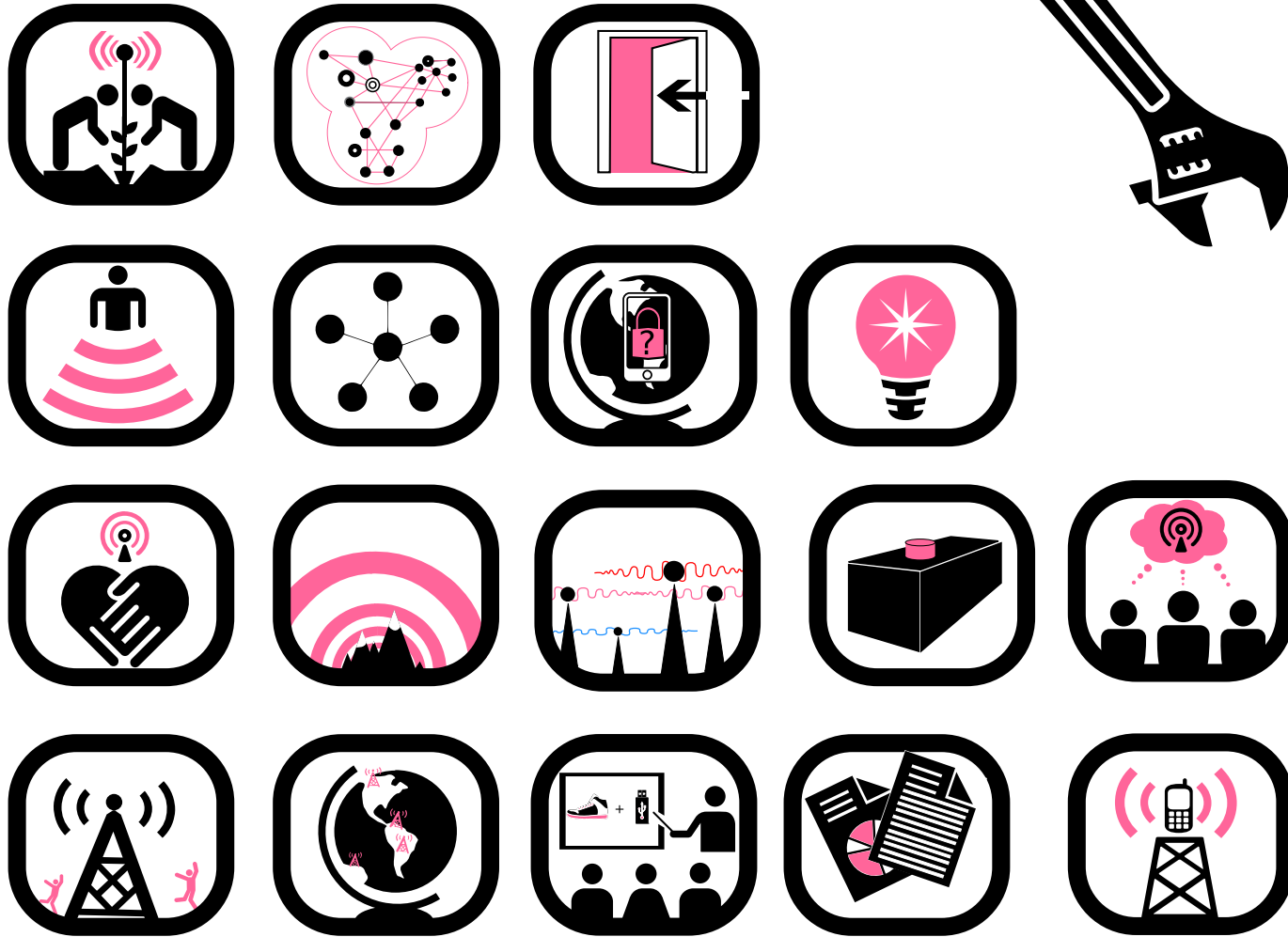
Challenges

- Technical Complexity
- Scalability
- User interfaces

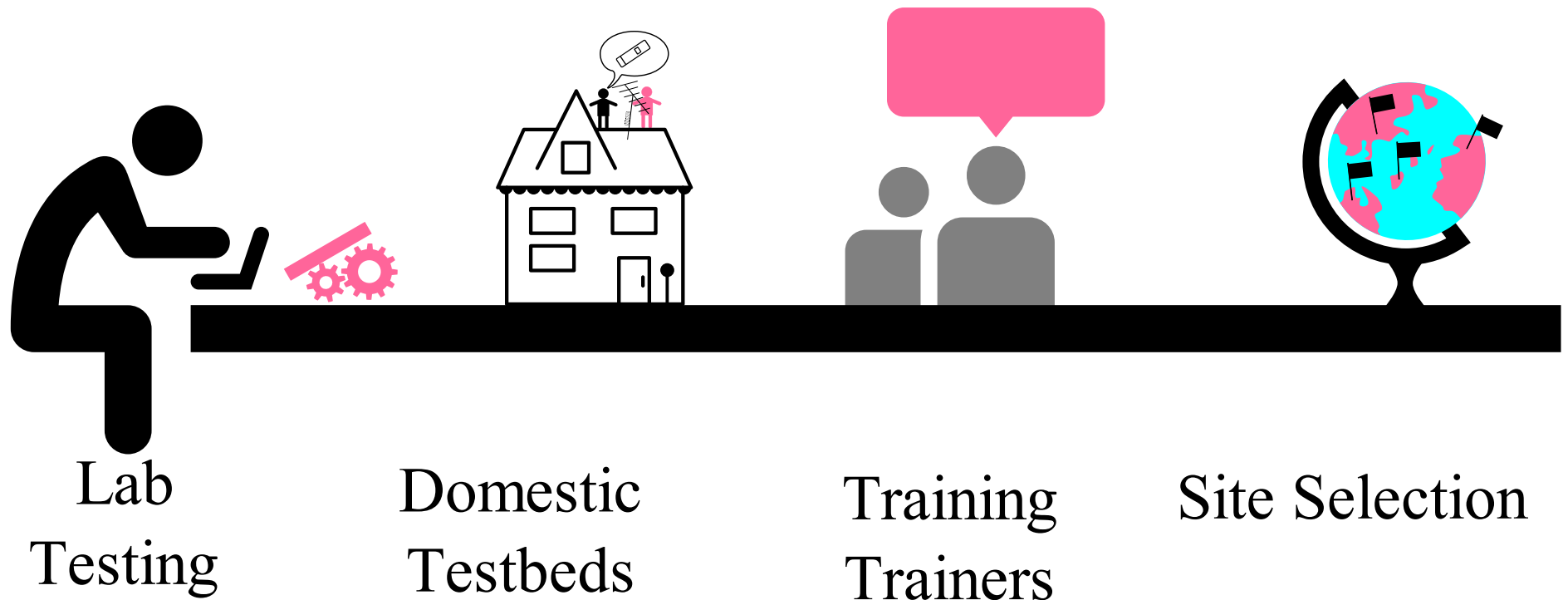


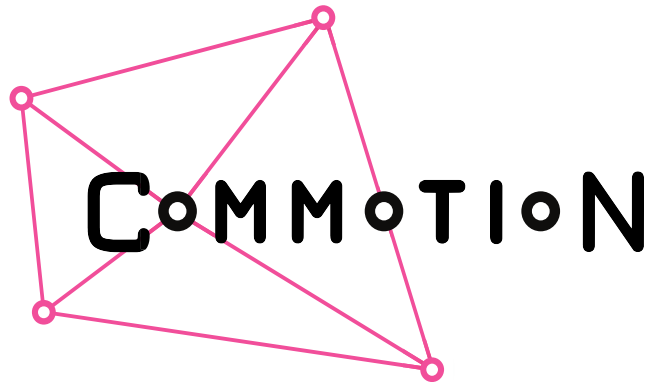






Where We Are Now





<http://commotionwireless.net>



<http://opentechinstitute.org>

Thank you!

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