NSF Program (either CC or CICI):

Program Area: Community Connections

Award Number: 1531046

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Project Title: Sustainable Ecosystem of Smart Applications

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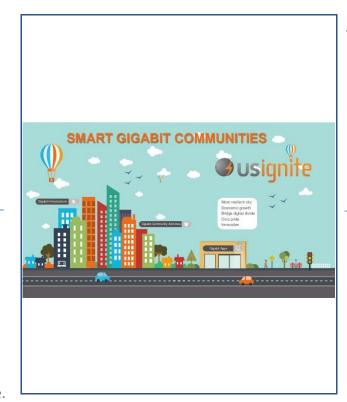*Sustainable Ecosystem of Smart Applications*

Digital Town Square

Challenge Project Seeks to Address:

Inability of national/state/region/campus cyberinfrastructure to easily extend into their host communities and related non-campus areas

Scientific Impact or Broader Impact:

- Ability to give off-campus faculty, staff and students on-campus-like access to campus and national cyberinfrastucture resource
- Ability to use the host community as a living lab with full cyberinfrastructure interconnections
- Civic cyberresilience

Solution(s) or Deliverables:

The Digital Town Square unites high bandwidth and low latency campus cyberinfrastructure with the local commercial infrastructure, which these days is often also high bandwidth. By connecting in-community, low latency is achieved as well as civic digital resilience.

Metadata tag https://www.us-ignite.org/program/smart-gigabit-communities/

- *Ready for transition to practice!*
- *Publications pending*
- *Need campuses/communities*
- *Successful models available*