How to Jumpstart Fiber Benefits in Your Communities

WNGN Broadband Regional Leadership Summit
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You Can Not Wait for Fiber to Start the Digital Transformation
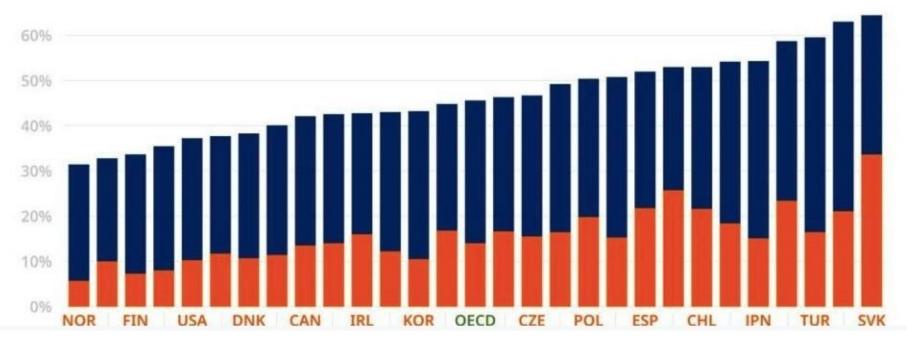
10 Predictions for Growth of Technology

- Telemedicine improves health
- Growth in attacks and need for Cyber security
- Higher demand for aggregated and verified information
- Focus on verified skills and not degrees
- AI and cognitive computing underpin more decision making
- Growth in virtual & augmented reality
- More everyday use of automation & robots
- Continued reduction in business friction
- Personal assistants run you life
- On demand customizable everything

From 2016 Asheville presentation

How higher education can adapt to the future of work
(World Economic Forum Jan 2020)

Large shares of jobs are at risk of automation or significant change

■ high risk of automation ■ significant risk of change

Under Resourced Communities Cannot Afford Broadband

Three key outcomes
- Connect municipal activities and reduce cost
- Use as foundation to leverage for FTTP
- *Leverage the connectivity to enable economic development!*

AT&T Pilot Demonstration
STEM VR Learning Experience - Carrboro, NC

AT&T Pilot Demonstration
Scholarly Latino Initiative – Remote Mentoring

Partnership with AT&T – Pilot Community Center Solutions

Education and workforce development
➢Remote mentoring

UNC-CH Scholar's Latino Initiative (SLI) - Health and Wellness
➢Telepsychiatry and dermatology

Winston-Salem Community Care Center Smart Cities
➢Traffic management, parking, transit, public safety

Town of Chapel Hill – AT&T Spotlight City

Example of Successful Municipal Collaboration

Reverse Pitch Kickoff – 200 Attendees at 3 Sites
2 Winners Received $19K Each

Reverse Pitch Winner - DroPark
Urban Parking Solution, $19K

Real-Time parking information to commuters and parking spot providers

Rapid Updates of 3D City Base Maps Utilizing Unmanned Aerial Systems and Cloud Computing Services

Drones for Accident Reconstruction & Reporting

Next Steps for Communities

- **Connect community centers & offer services**
  - **Municipal fiber, ERC, local providers for connection**
  - **Partner with groups already offering services (Ed, NGO, gov)**
  - **Choose a pilot service to offer (start small)**
  - **Test and learn what the community needs**
- **Run "Hackathons", "Reverse Pitches" and student projects to solve local problems**
  - **Offer prizes, incubator space, local pilot of winners, etc.**
  - **Get business community, education & agencies involved**
- **Internships, summer jobs, school projects to improve the digital divide**

Remember: This is an Economic Development Effort

"Collective impact" describes an intentional way of working together and sharing information for the purpose of solving a complex problem.

https://www.councilofnonprofits.org/tools-resources/collective-impact

Questions?