



# ASNET Mobile Broadband

A rural development project at Asnaes peninsular, Kalundborg, Denmark

# The Area and the Challenges

- Surrounded by the sea.
- Few houses
- Open land
- Forrest
- Expensive fiber
- No Governmental funding





# 2013

- No reliable internet
- No cellphone communication
- People moving out
- Business struggle to survive
- Government:
- Implementing digital mailsystems.
- On-line self services

# 2017

- Fast and reliable broadband
- Cellphone communication
- People moving in
- Business is good
- Young and old communicate with school, university and social services.

# Lessons Learned



- As of 2017 speeds are 130/130 Mbits/s.
- 95% coverage of Asnaes peninsula.
- Reliable and stable connection. 240 subscribers.
- Lessons:
- Quality of connectivity depends on distance from antennas, obstacles such as forest and terrain.
- External house antennas and network repeaters needed in some areas.



# Policies



- Broadband – a nation wide necessity like power and water supply
- Increased public and politic awareness is needed
- National expansion depends on market forces only
- National and local legislation are barriers for roll-out of nationwide fast broadband



Questions?