



Always connected, the Umea University campus and city network approach

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Background

- The city of Umeå is one of the worlds most connected cities
- The vision – **Always connected**
- Important infrastructure for students and staff
- Infrastructure for research

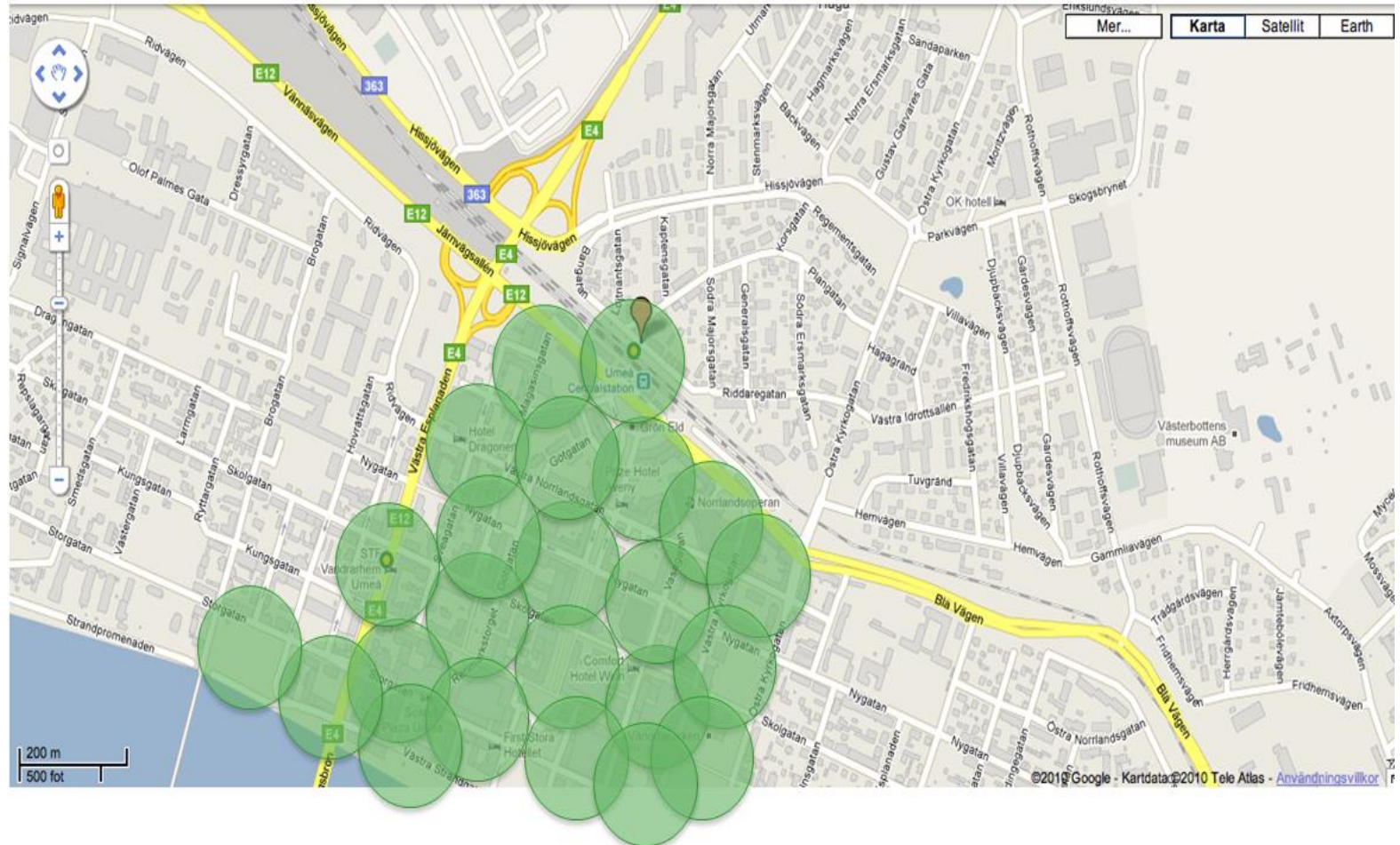


Campus and city network

- Campus has full coverage with fixed lines and wireless
- Collaboration wireless project between City of Umea, Umeå Energy (Internet provider), Umeå university and The Cloud (private company)
- Umea City has full coverage of black fibre. Umeå Energy is the provider. The backbone has 10 suppliers of services: Internet (1Mbit/s – 1Gbit/s), IP-tel, television, backup and surveillance



City coverage





Open for all?

- BYOE is here
- Access wanted by students, staff and guests. Open or closed network?
- Where is the security border?
- How much of our material is classified?
- The balance between openness and security
- Who is responsible?
- Open data. EU directive: *Public Sector Information - Raw Data for New Services and Products*
- Information security approach
- Vulnerability analysis. What is the worst case that can happen?



Lessons learned

- Legal stuff has to be addressed
- Vision and plan helps a lot
- Take care of funding
- Leaders with ambitions is crucial
- Support from local politicians is good to have

- Do not ask too much for permission, ask for forgiveness