

UmeNet



One of the worlds most connected city networks and
Europes fastest broadband network

Mats Berggren, CEO UmeNet

Umeå Energi AB 5 Main Business Areas

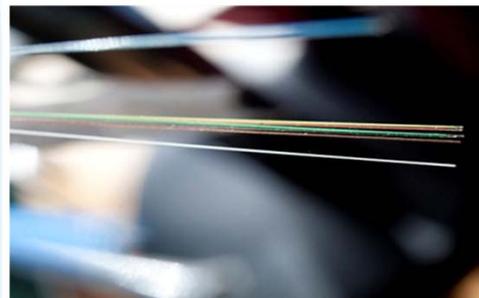
Electricity
sales

Electricity
distribution

UmeNet

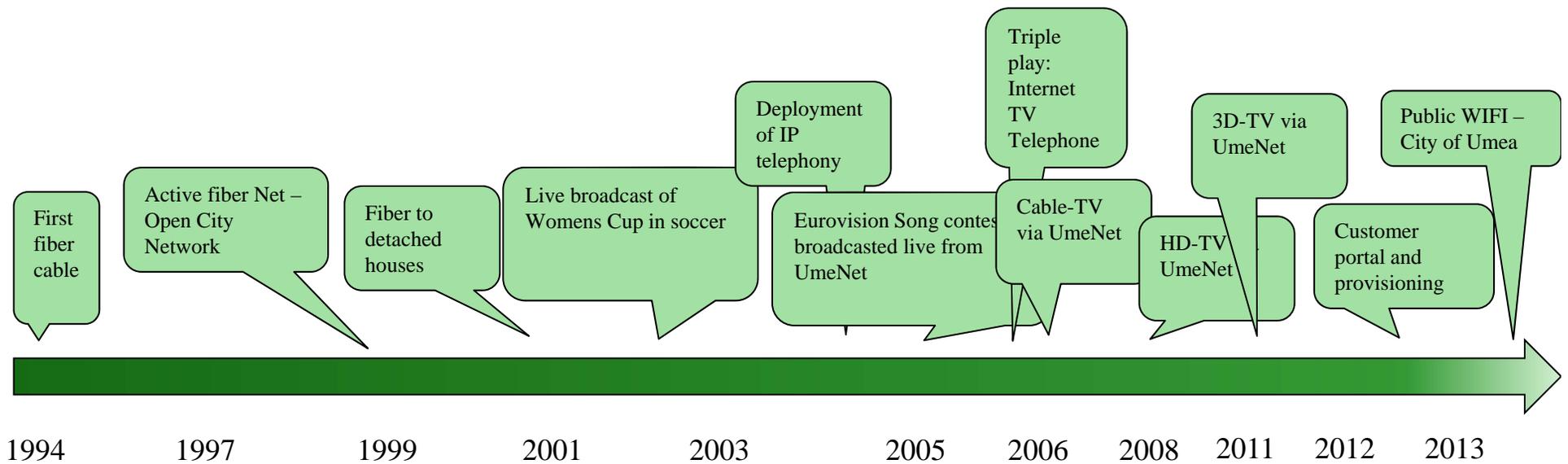
Heating

Sun, Wind
& Water



- 100 % owned by the municipality of Umeå
- Turnover: 1.8 Billion SEK
- Employees ~ 320
- No of customers
 - 55.000 Electricity sales
 - 58.000 Electricity distribution
 - 9.500 UmeNet
 - 7.000 Heat

UmeNet Milestones



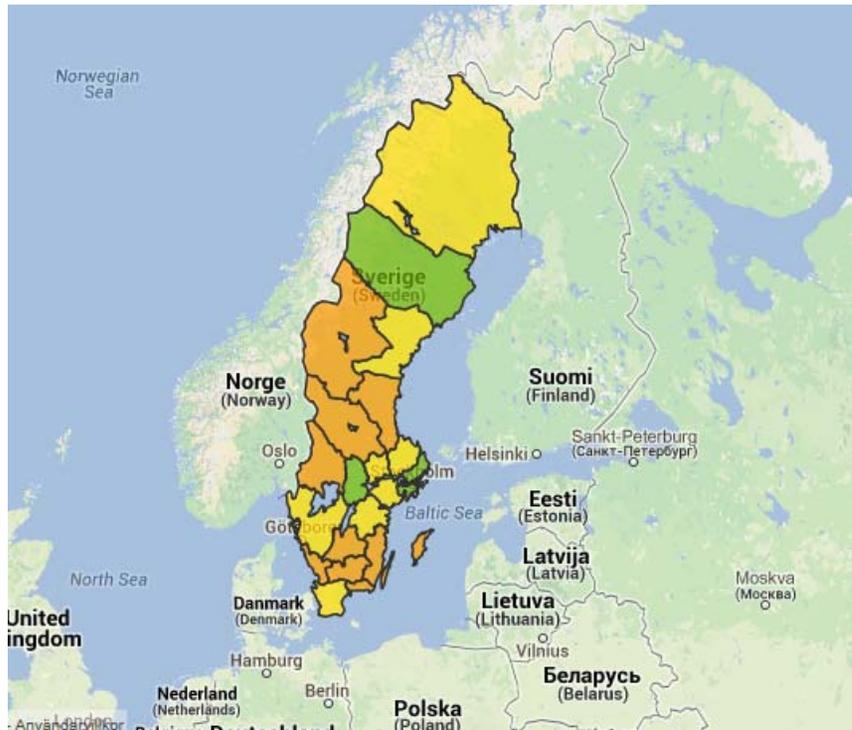
Difference in population, size and conditions

Sweden
9,5 million people
450 000 square km

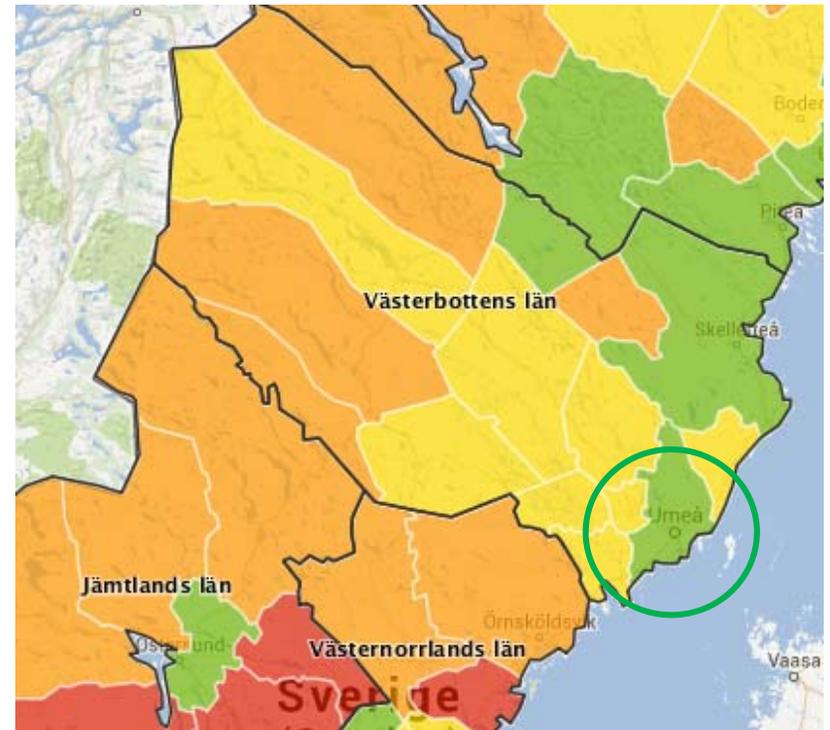
Romania
>20 million people
238 400 square km



Fibre optic paths in Sweden

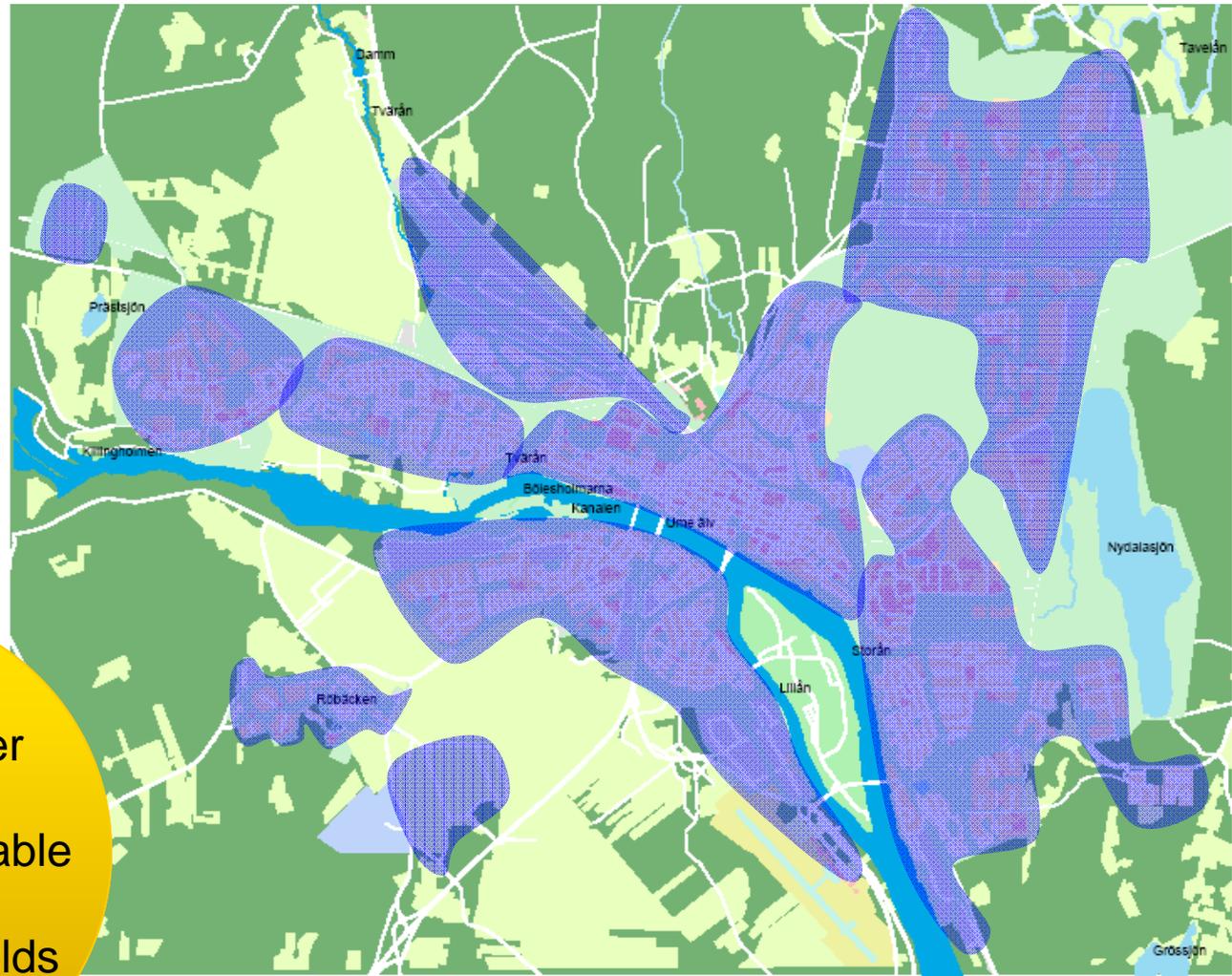
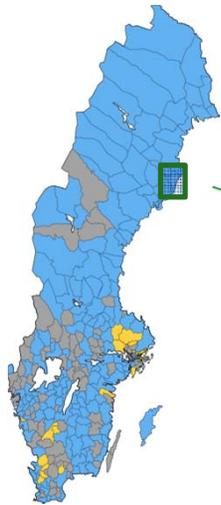


Fibre optic paths in Västerbotten county



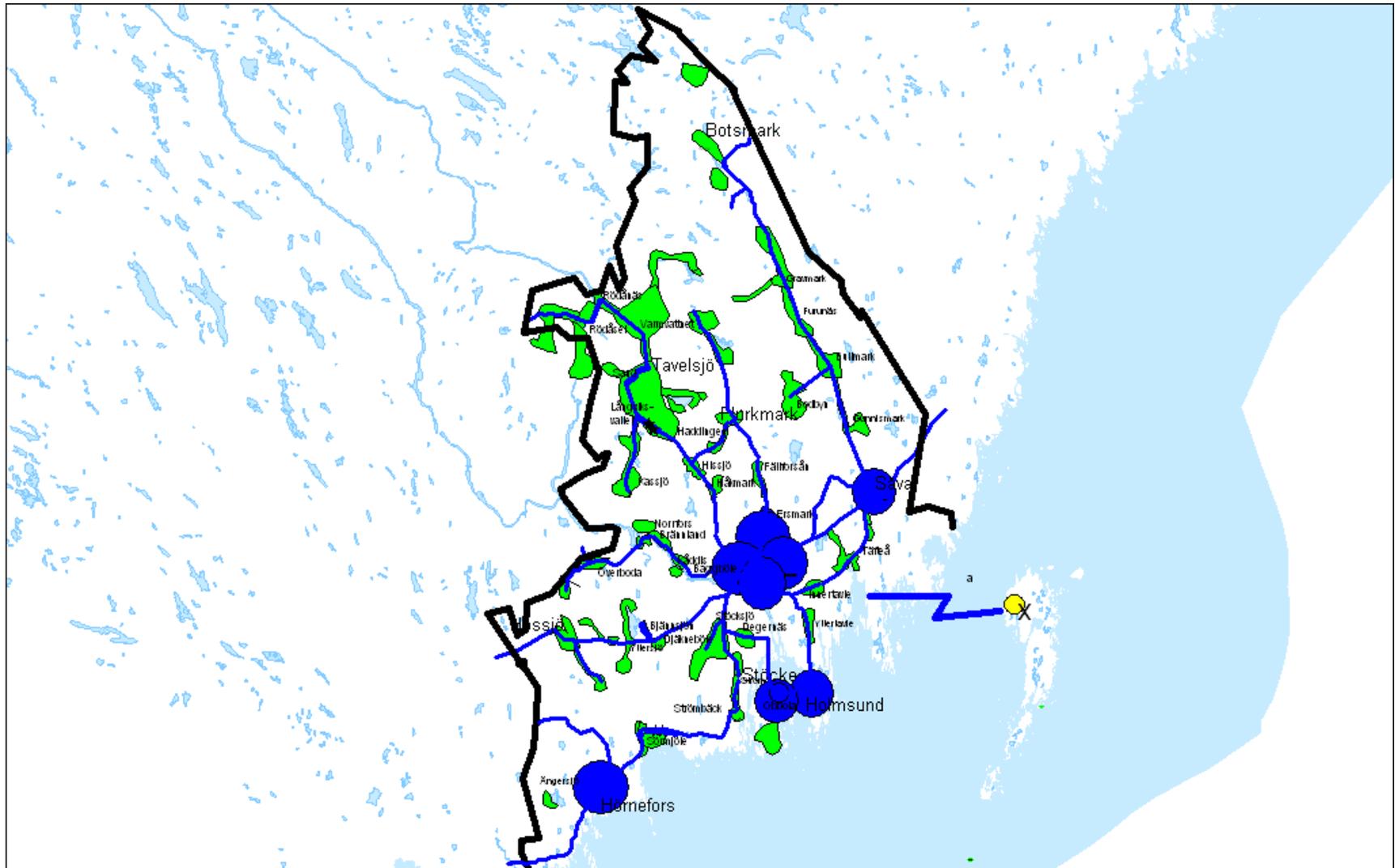
Green area = 55-90 % of households have access to 50 Mbit/s or more

Umeå – one of the most connected cities in the world

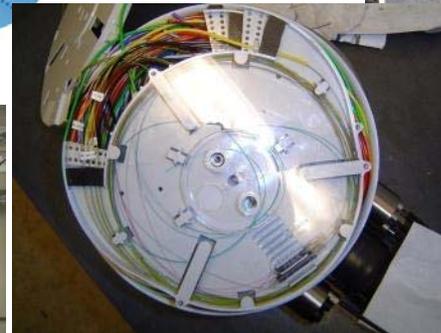
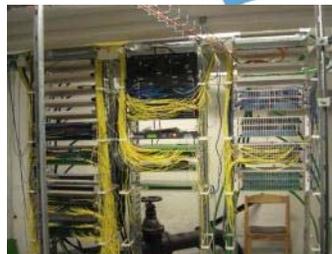
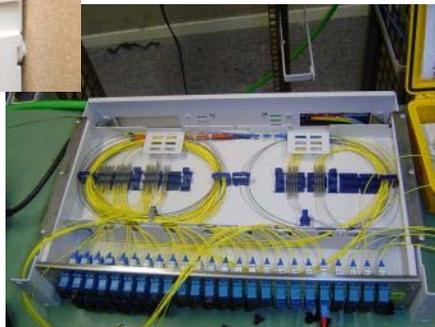


75 000 km fiber
1 400 km fiber cable
50 000 households

City connected networks via fiber



Fibre optic project work in Västerbotten county



Umeå – fastest Internet in the Western World

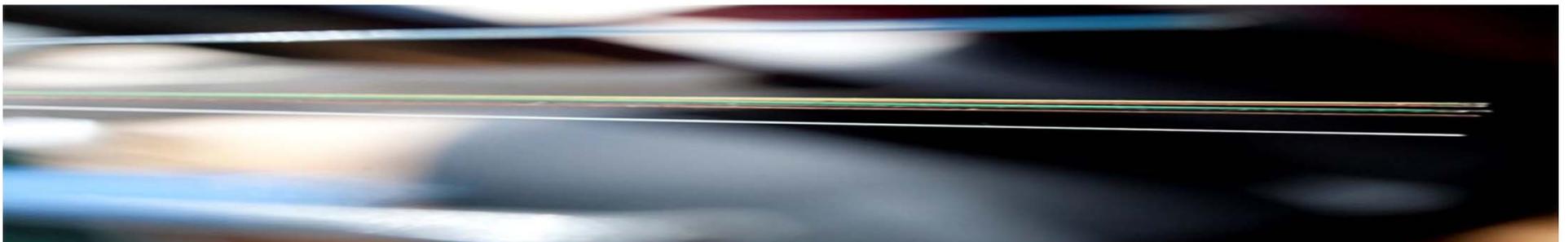


A report from Akamai in 2012 states that Umeå came in 15th place on the list of the world's fastest broadband connections, just a bit behind several superfast cities in South Korea and Japan.

In the open city network a service provider is individually chosen

An open access city network invites competition and diversity

- One network – shared costs
- Open for all
- Local service offerings
- Same opportunities applies for small local providers and large, global ones.
- Better opportunities for business
- Better community services
- A well-developed IT infrastructure:
 - Is a must to enable future start-ups
 - makes Umeå a more interesting city to live and work in



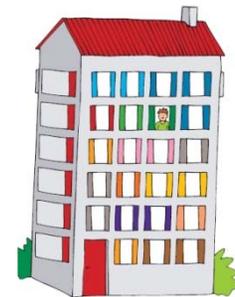
The open City Network of UmeNet Connects everyone



Village customers/networks



Apartment customers



Real estate owners

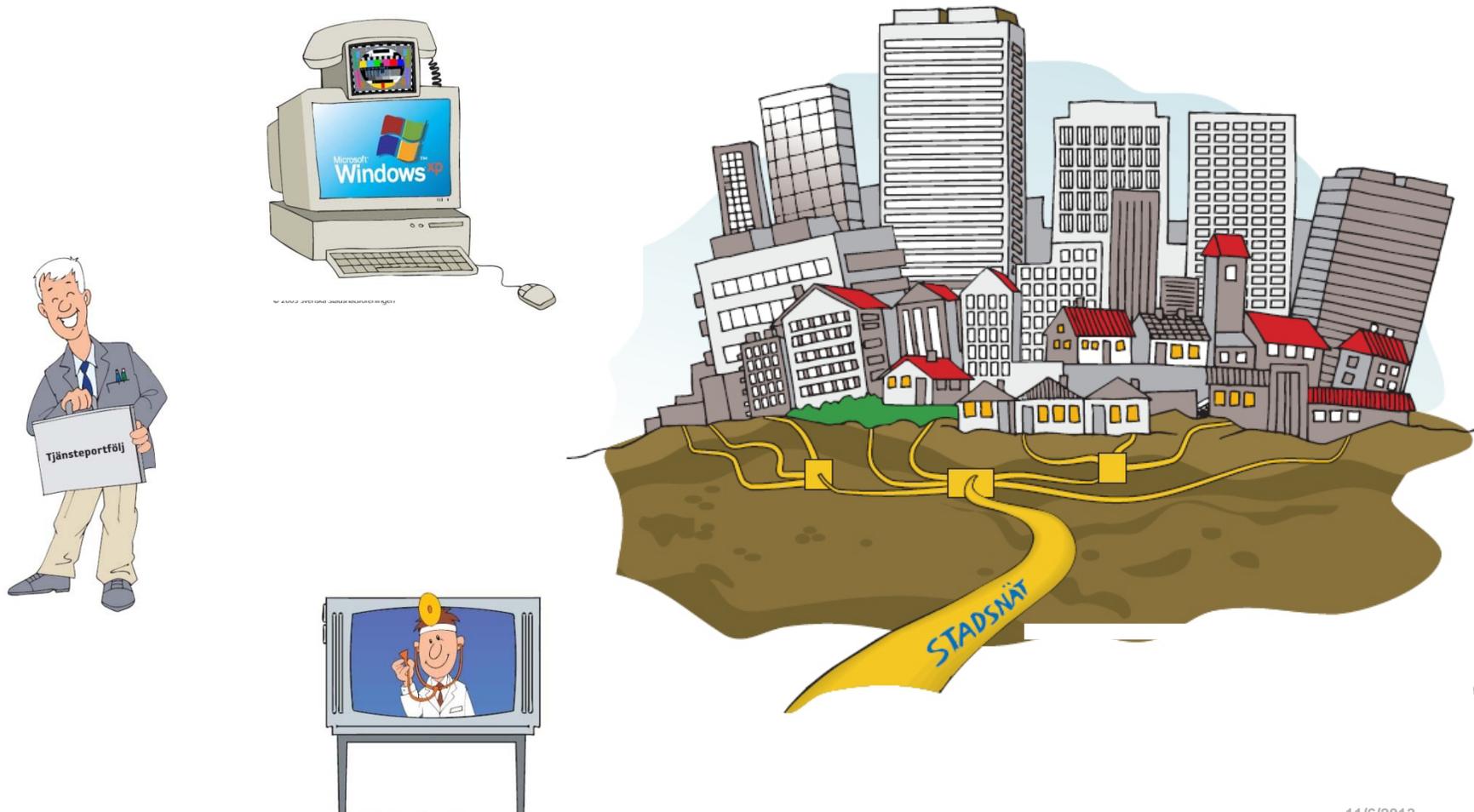


Business2Business



The open City Network of UmeNet

Carries services to and from all



Different services provided via UmeNet

Internet access	Television	Telephone	Other services
<p>Riksnet T3 Bredband 2 Bahnhof B2 Bredband AB Universal Telecom AC-Net AllTele</p>	<p>Canal Digital AllTele Viasat Boxer Canal Digital</p>	<p>Alltele Bahnhof T3 Bredband 2</p>	<p>Emergency services Storage Real Est. monitoring Tele medicine Back-up Home healthcare Video conf.</p>
			

TV Customers in a house without fiber



TV Customers in a house with fiber



No options – complicated for the customer

Choice – gives increased offerings

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Local fiber networks contribute!

- Sweden in the top position!

Top ranked IT-countries

1. Sweden
2. Singapore
3. Finland
4. Denmark
5. Switzerland

Positive economic growth

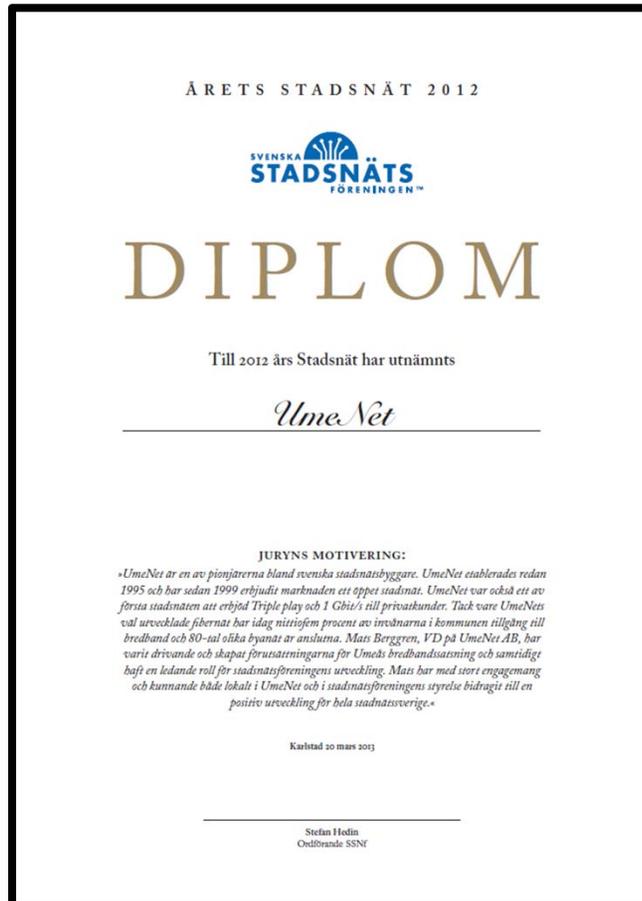
1. Increased employment
2. Positive development for the people
3. Lowering the communication costs
30-50%

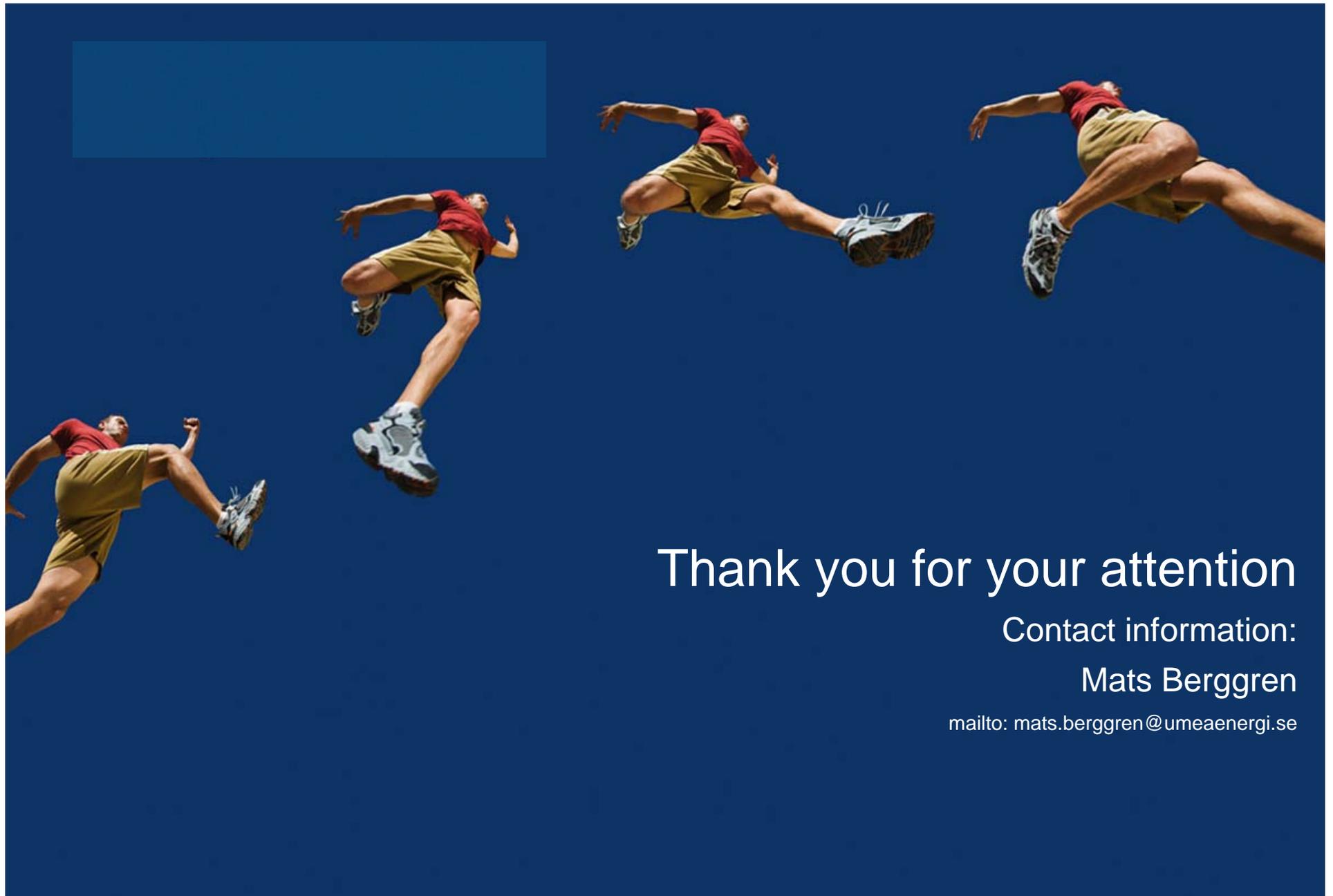
Source: Acreo

UmeNet - awarded the Operator of the Year award, February 2012



UmeNet - awarded the City Network of the Year award, March 2012





Thank you for your attention

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