

U:O Campus
 Snel cell Prof 3000
 - mobile
 - broadband
 - handling

S:O
 small cell?

print hopes
 small cell?

36000?
 employees,
 50% - 350
 kr/month

Service offers

- free voice calls - staff
 - students to students/staff

- mobile broadband - free @ small cells
 - 200/500 mb, 200/500 mb, 200/500 mb, 200/500 mb
 - students

Current

IP fixed phones

Wif: zones

50% of employees
 mobile bill

broadband connection

future

combined wifi/
 small cell = 1000
 NOK

- guest visitors (Telenor...)

may show Telenor ID network
 in addition to UiO

- reduce infrastructure costs

- better service quality

(at Nimi@Ullevål - only 2G)

Telenor:

- less infrastructure costs, increase in macro-cell capacity
- more "national-roaming" customers
- offer: amount of free broadband usage

expect: national regulations offering free use of spectrum (20, 40 MHz) - for everyone

UiO only used free spectrum

SIM functionality

- free voice usage in Norway
 - free data usage on Small cell network
- national roaming with partner

now: 350 kr/month (50% employees),
student offer: 100 kr/month

range of a Small Cell:

3 small cells indoor covering 2 floors @Ifi

Outdoor: range < 300 m

no macro network (negotiation with MNO/
MVNO)

prices in Norway: telepriser.no

<http://www.dinside.no/931130/telepriser-no-legges-ned>

<http://mobiltelefoni.no/>

>94% of all traffic is taking place at fixed positions

- at home (40%?), office(51%?), (at customers - 3% - partner network)

- 6% of traffic in the mobile partner network

