

NGA mapping in the Czech Republic

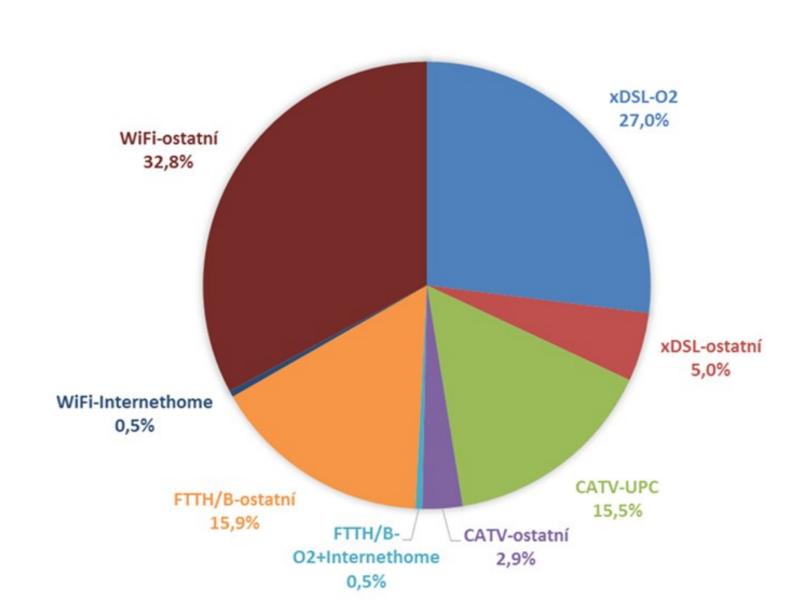
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Why...

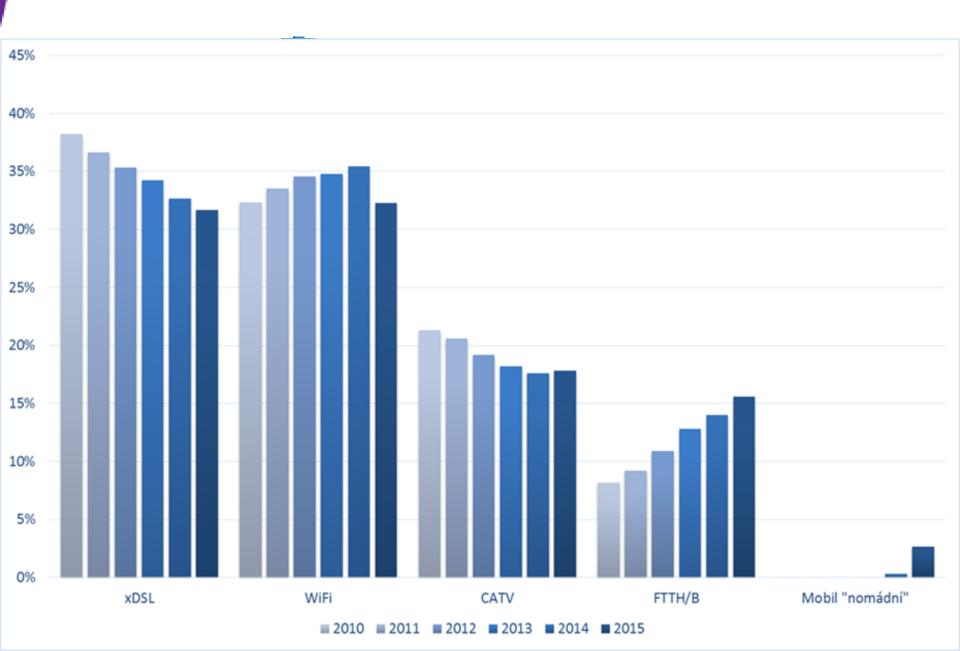
Czech broadband market

- Short description of current situation:
- Infrastructure competition (next slide).
- But NGA isn't everywhere (white spaces).
- Big market share of alternative technology solution (esp. xDSL, Wi-Fi, CATV).
- High quality access (FTTx) is not developed as we would need.

Market share of BB infrastructure (2015)



BB infrastructure market share evolution



NGA State aid (subsidy) program

Why?

- The Czech government approved the National BB Strategy "Digital Czech v.2.0" in 2012.
- to the line with EU Digital agenda.
 - Main goals for 2020
 - > 30 Mbit/s BB access for all citizens,
 - Min. 50% houselholds will have more than 100 Mbit/s.

First NGA mapping (2013/2014)

First indications of the white space for the option of state aid program.

- We expected to use part of 4G auction income (1 bil. CZK / 37 mil. EUR)
- Ad-hoc data collections / no regular NGA reporting.
- Two various maps
 - Ver. 2013, parameter: 50% NGA cover
 - ed households,
 - Ver. 2014, parameter: is there NGA access Y/N.

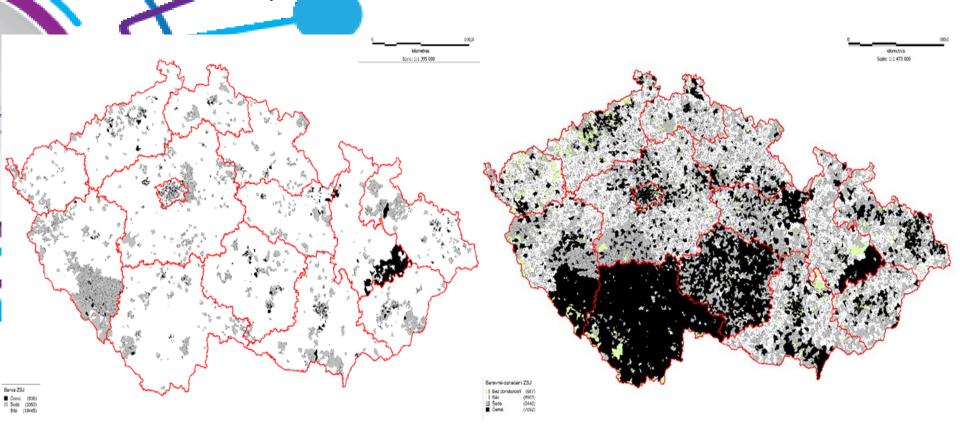
First NGA mapping (2013/2014)

Map 2013

- 18445 white spaces
- 3352 grey spaces
- → 630 black spaces

Map 2014

- > 9762 white spaces
- > 5561 grey spaces
- > 7104 black spaces



Second NGA mapping (2016)

For NGN National plan:

- Connected with preparation of the National NGA development program.
- Responsibility for program Ministry of Industry and Trade (Ministry).
- With EU Broadband development financing program.
- 14 bil. CZK/ aprox. 520 mil. EUR.
- Indication of potentional areas for financing

Second NGA mapping (2016)

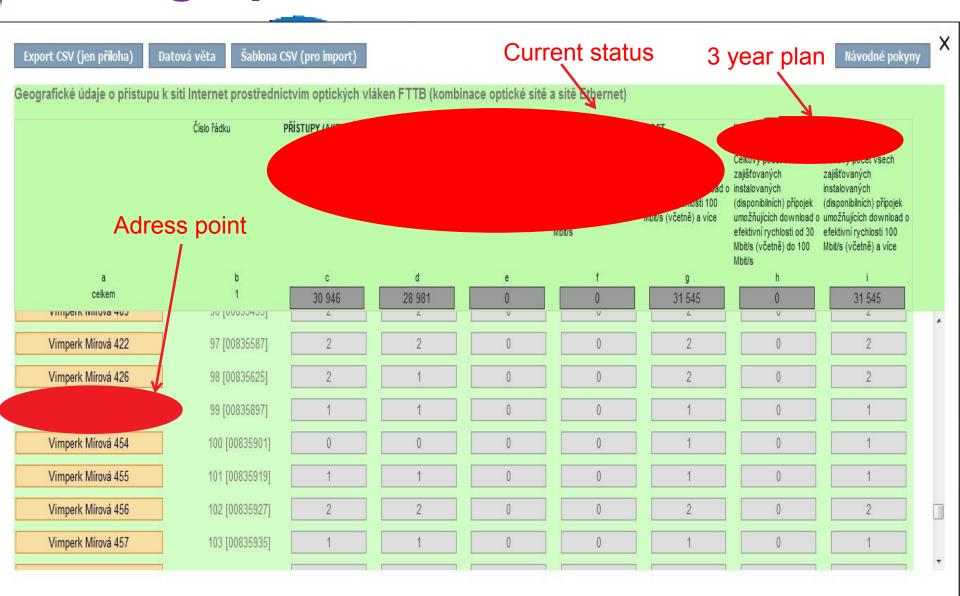
Procedure

- Electronic Data (Collections) System (ESD)
- All operators regularly provide data (as for market analyzing, international reporting etc.)
 - CTO's portal for authorized users.
- Basic data check even before hand-out.
- Via e-form

Data_collection - eForm

- Detail for each Address points (ADP)
 - ADM means buildings, houses etc,
 - more than 2,9 mil. ADP in the Czech Republic.
- Technology neutrality principle applied.
- We mapped current situation and plan for next 3 following years.
- 3 levels of BB access information:
 - Basic broadband access (up to 30 Mbit/s download),
 - Access 30+ Mbit/s.
 - More than 100 Mbit/s.

Geographic NGA data collection



Zobrazení dat v datovém skladu

Data_evaluation

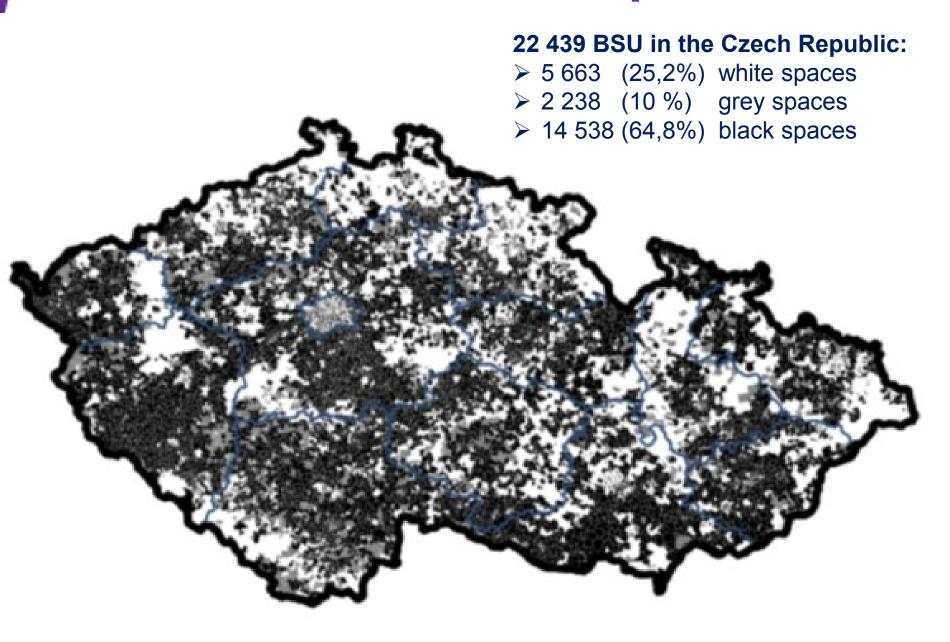
Based on agreement with Sector and Ministry.

Data of ADP aggregated to the Basic Settlement Unit (BSU).

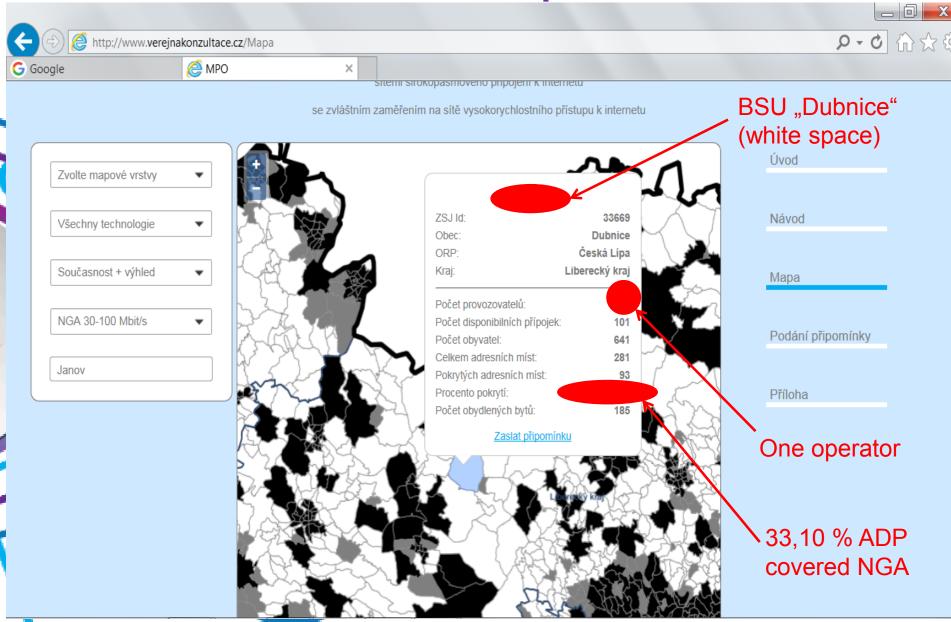
For the BSU collours important:

- Now many NGA covered ADP in BSU
 - White" BSU up-to 50% covered ADP.
- How many NGA operators in each ADP
 - "Grey" BSU: more than 50% covered ADP and one operator there,
 - Black" BSU: more than 50% covered ADP and more than 2 operators there.
- 3-year plans included.

The result – NGA map 2016



The detail information in the public consultation



What's important to do ...

To be transparent:

• ...e. workshop with sector, public consultation, etc.

To have close cooperation

- with the Ministry and Sector too,
- Working group for mapping procedure (Nov. 2015 Jan 2016).

Sufficient time for preparation

- Summer 2015, first workshop on the NGA data collection proposal,
- Autumn 2015, second workshop, eForm finalization,
- 1-3/2016, period for data transmition,
- 4-7/2016, data verifications,
- 7/2016, NGA data set and map for the Ministry,
- 7-9/2016, public consultation.

Next steps

- October 2016: the CTO will modify map on the base of public consultation results.
- November 2016: the Ministry will create final Intervention areas for the first round of NGA financing program.
- Separate consultation (intervention areas) will start.

In the biggining 2017 the first state aid to NGA development can be provided.



Thank you for your attention

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