

# Rychlosti Internetu podle Akamai

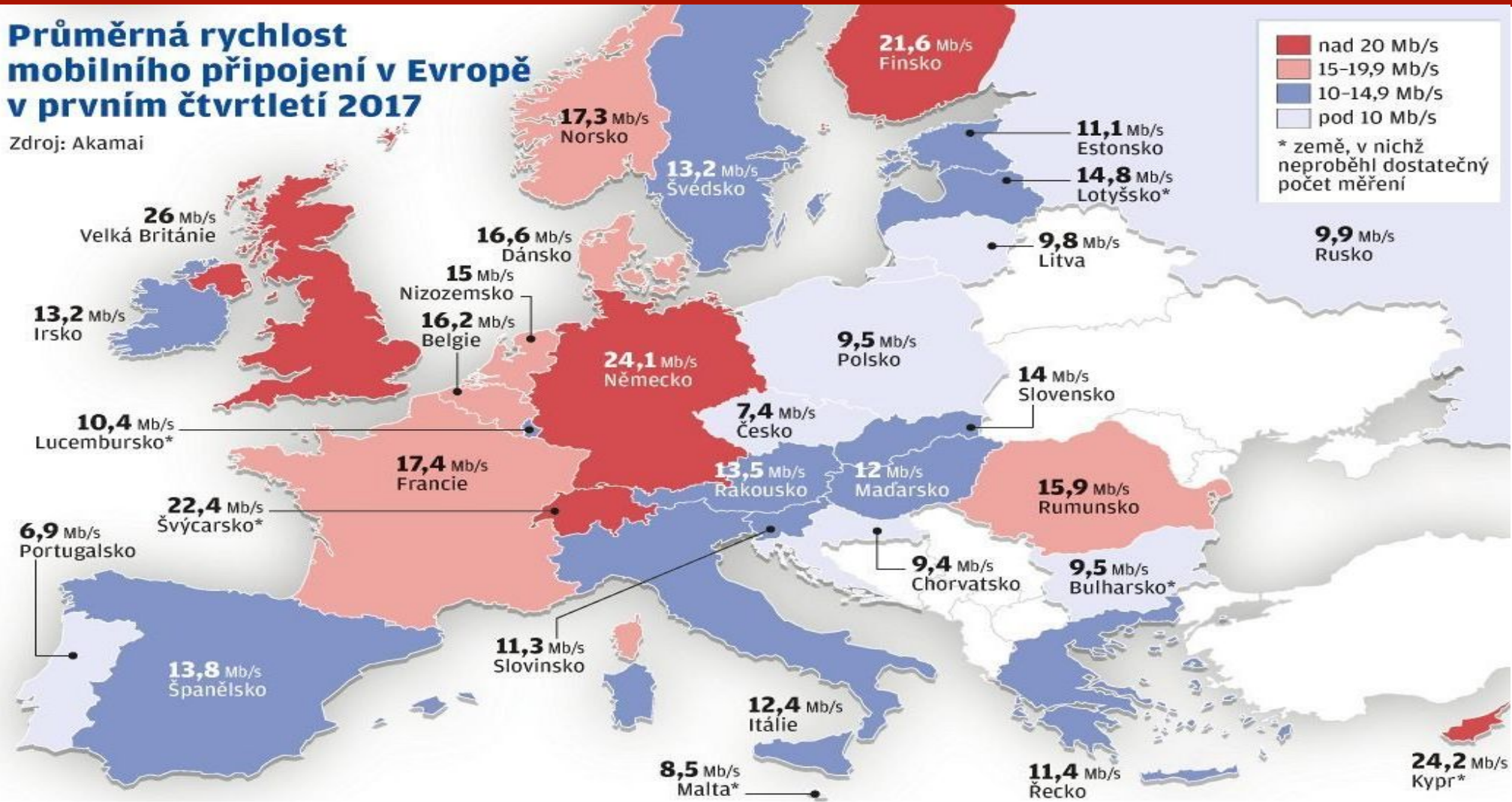
Miloslav Sova

ISP consulting

# Mobilní Internet Q1 2017 - Evropa

## Průměrná rychlost mobilního připojení v Evropě v prvním čtvrtletí 2017

Zdroj: Akamai



# Mobilní Internet Q1 2017 - Evropa

Country/Region	Q1 2017 Avg. Mbps
<b>AMERICAS</b>	
Argentina	5.1
Bolivia	4.0
Brazil	5.2
Canada	10.3
Chile	7.2
Colombia	6.7
Costa Rica *	3.7
Ecuador *	4.5
Mexico *	7.5
Panama	4.2
Paraguay	7.5
Peru	8.3
United States	10.7
Uruguay	4.6
Venezuela	2.8
<b>ASIA PACIFIC</b>	
Australia	15.7
China	9.3
Hong Kong	6.8
India	4.9
Indonesia	12.8
Japan	15.6
Malaysia	4.4
New Zealand	13.0
Philippines *	8.7
Singapore	8.6
South Korea	11.8
Sri Lanka	6.9
Taiwan	13.0
Thailand	8.6
Vietnam	5.3
<b>EUROPE</b>	
Austria	13.5
Belgium	16.2
Bulgaria *	9.5
Croatia	9.4
Cyprus *	24.2
Czech Republic	7.4

Figure 38: Average Connection Speeds (IPv4) for mobile connections by Country/Region

Country/Region	Q1 2017 Avg. Mbps
Denmark	16.6
Estonia	11.1
Finland	21.6
France	17.4
Germany	24.1
Greece	11.4
Hungary	12.0
Ireland	13.2
Italy	12.4
Latvia *	14.8
Lithuania	9.8
Luxembourg *	10.4
Malta *	8.5
Netherlands	15.0
Norway	17.3
Poland	9.5
Portugal	6.9
Romania	15.9
Russia	9.9
Slovakia	14.0
Slovenia	11.3
Spain	13.8
Sweden	13.2
Switzerland *	22.4
United Kingdom	26.0
<b>MIDDLE EAST/AFRICA</b>	
Egypt	12.2
Iran	7.5
Israel	9.2
Kenya	13.7
Kuwait	10.2
Morocco	5.3
Namibia	3.8
Nigeria *	3.9
Qatar *	13.6
Saudi Arabia	6.0
South Africa	6.9
Turkey	10.3
United Arab Emirates	10.0

\* Fewer than 25,000 unique IPv4 addresses classified as mobile observed in Q1 2017

# Důvody pomalého mobilního Internetu v ČR ?

- vyšší cena za spektrum než mají okolní státy
- velikost bloků vyhrazených pro LTE technologii
- stále vysoký podíl připojení přes starší generace mobilního připojení (cca. 15 až 20 %)
- donedávna u všech, a u T-Mobilu jestli se nepletu dodnes také FUP
- úzké hrdlo je v backhaulu, v připojení základnových stanic do páteřní sítě – zejména ve venkovských oblastech

# Průměr + špička Q1 2017 - Evropa

Global Rank	Country/Region	Q1 2017 Avg. Mbps	QoQ Change	YoY Change
2	Norway	23.5	-0.4%	10%
3	Sweden	22.5	-1.3%	9.2%
5	Switzerland	21.7	2.1%	16%
6	Finland	20.5	-0.7%	15%
9	Denmark	20.1	-2.9%	17%
12	Netherlands	17.4	-1.1%	-2.9%
13	Romania	17.0	5.4%	5.7%
14	Czech Republic	16.9	-1.8%	-4.7%
15	United Kingdom	16.9	3.6%	13%
17	Latvia	16.6	-3.5%	-9.5%
19	Belgium	16.3	2.2%	6.5%
22	Ireland	15.6	2.2%	8.5%
23	Bulgaria	15.5	-0.2%	-1.7%
24	Spain	15.5	0.8%	16%
25	Germany	15.3	4.9%	9.8%
26	Hungary	14.8	3.6%	7.7%
28	Lithuania	14.6	0.4%	-3.2%
29	Austria	14.1	1.3%	5.1%
34	Slovenia	13.7	-2.3%	-5.7%
35	Slovakia	13.0	0.1%	-5.5%
36	Portugal	12.9	2.5%	-1.9%
38	Malta	12.8	-0.8%	1.0%
41	Poland	12.6	2.1%	-1.1%
44	Russia	11.8	2.1%	-2.7%
45	Luxembourg	11.6	4.8%	9.6%
46	Estonia	11.6	1.0%	-1.2%
51	France	10.8	7.4%	8.9%
61	Italy	9.2	6.2%	13%
64	Croatia	8.6	5.0%	16%
72	Greece	7.9	4.9%	0.3%
78	Cyprus	6.9	-2.8%	-3.6%

Figure 28: Average Connection Speed (IPv4) by European Country

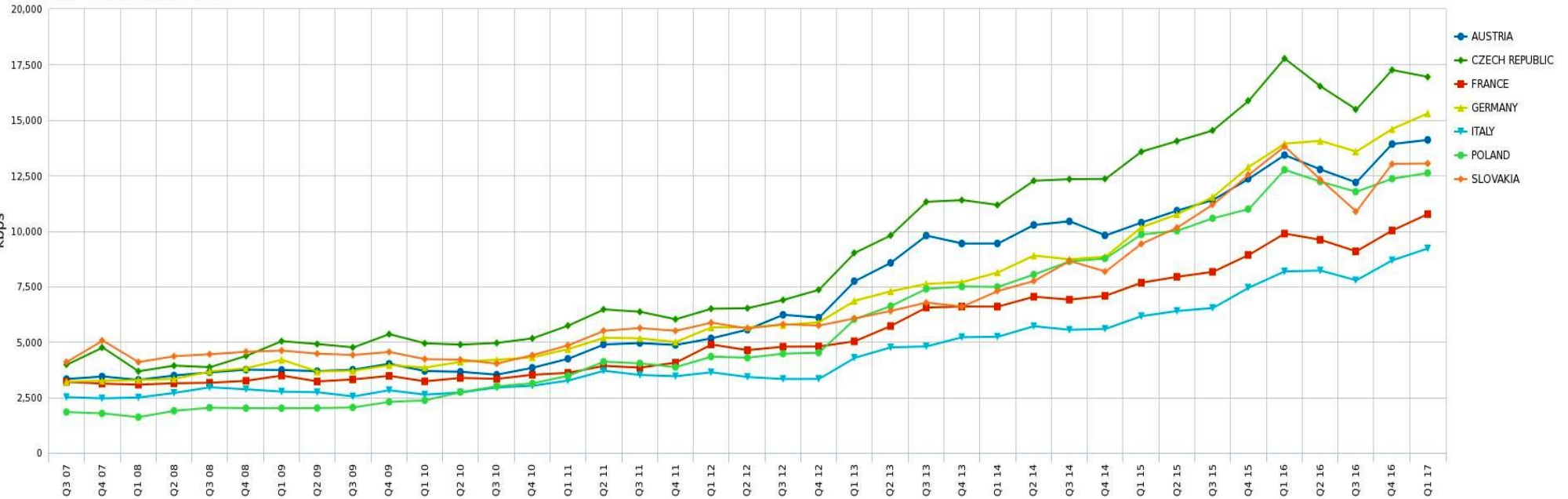
Global Rank	Country/Region	Q1 2017 Peak Mbps	QoQ Change	YoY Change
10	Sweden	95.3	n/a	20%
12	Romania	95.0	n/a	15%
15	Switzerland	93.4	n/a	23%
17	Norway	85.9	n/a	23%
18	Belgium	85.5	n/a	24%
20	Spain	84.8	n/a	31%
21	Netherlands	82.7	n/a	17%
23	Latvia	79.5	n/a	5.8%
25	Hungary	78.3	n/a	24%
26	United Kingdom	76.1	n/a	25%
28	Finland	75.1	n/a	26%
29	Czech Republic	74.4	n/a	17%
30	Denmark	74.4	n/a	27%
34	Ireland	70.8	n/a	17%
38	Russia	69.3	n/a	8.7%
39	Slovakia	69.3	n/a	24%
40	Malta	67.1	n/a	34%
42	Portugal	66.9	n/a	30%
44	Poland	65.6	n/a	24%
45	Germany	65.6	n/a	22%
46	Bulgaria	65.5	n/a	11%
51	Austria	63.1	n/a	23%
56	Lithuania	61.3	n/a	22%
57	Estonia	60.8	n/a	22%
59	Slovenia	60.0	n/a	25%
60	Luxembourg	59.6	n/a	-1.9%
67	Croatia	54.8	n/a	54%
74	Italy	51.0	n/a	40%
77	France	49.7	n/a	21%
100	Greece	39.7	n/a	25%
104	Cyprus	35.4	n/a	25%

Figure 29: Average Peak Connection Speed (IPv4) by European Country

# Průměr Q3 07 až Q1 17

Home>About Akamai>Our Thinking>State of the Internet

Average connection speed



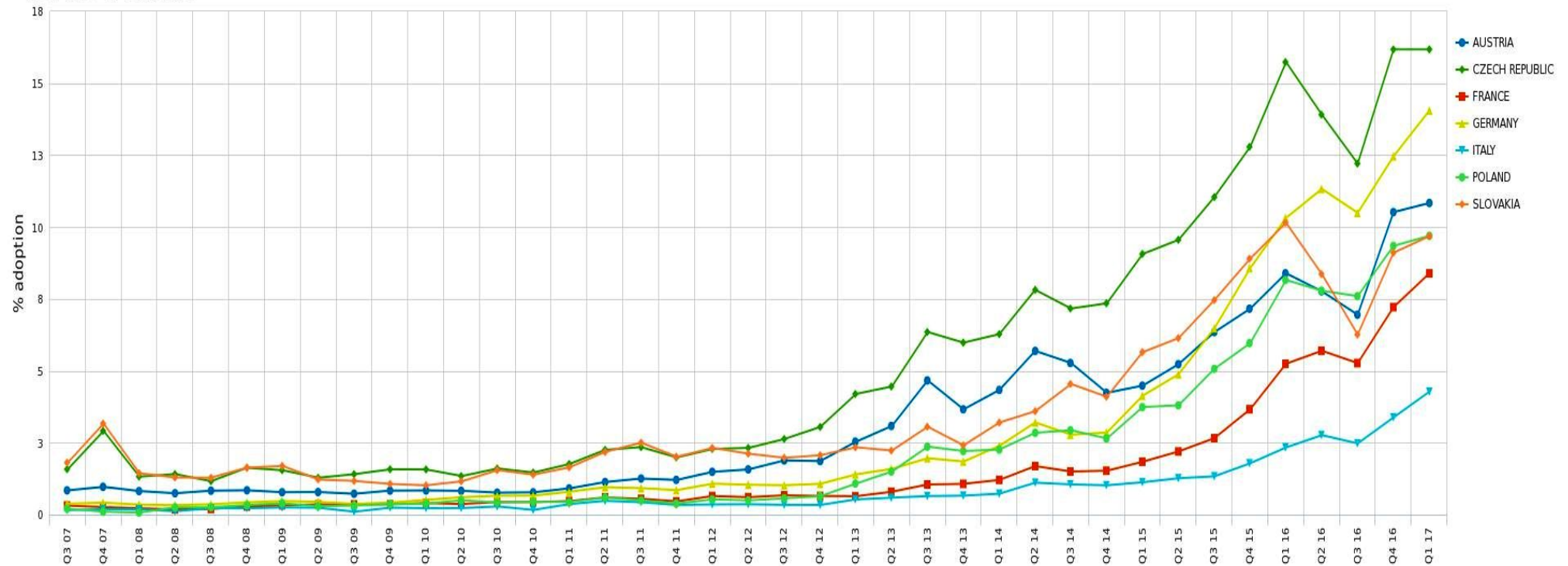
<https://www.akamai.com/stateoftheinternet>



# Víc než 25 Mbps - Q3 07 až Q1 17

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25 Mbps Broadband

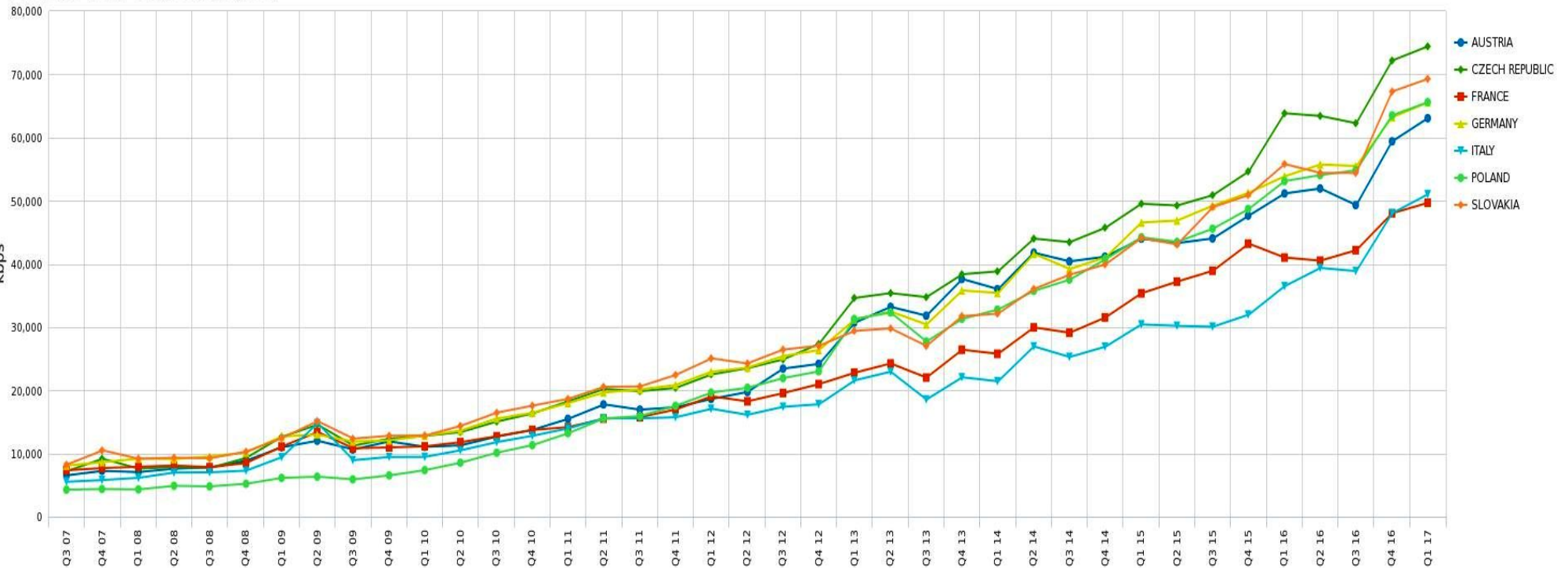


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# Průměr špička - Q3 07 až Q1 17

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Average peak connection speed



<https://www.akamai.com/stateoftheinternet>



# Ještě si pustíme video Budoucnost WiFi sítí z roku 2006 ☺



Děkuji za pozornost :-)

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