



# **Overview of FCC Staff Research on International Broadband Data**

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# Broadband Research

## **Data Collected**

- **Broadband Strategies**
- **Market Information**
- **Availability and Pricing**
- **Demographics**



# National Broadband Strategies

- Over thirty (30) nations pursuing strategies for broadband deployment and adoption.



# National Broadband Strategies: Common Themes

- Many national broadband plans target improvements for rural and remote areas other special communities.
- Most nations are also concerned with improving the overall speed of broadband delivered to all of their citizens.



# Broadband Market Information

- Rules for interconnection, loop unbundling, resale, pricing, and bundling of services
- Definitions of broadband and market characteristics
- Methods to stimulate demand and supply, including tax incentives, subsidies, and public-private partnerships



# International broadband data at the community level

- National and regional data available for approximately 36 countries, including the US
- Sources: OECD Regional Database, Eurostat, National Statistics Agencies
- All publicly available, time series data
- Welcome comment, corrections, and suggestions on this dataset



# International Broadband Community–Level Dataset

- % households with broadband, 2008
- Population, total, 2005
- Population density, 2005
- Income, total, 2005, US\$millions, PPP
- Income per capita, 2005, US\$, PPP
- Education: percentage of labor force with tertiary education, 2005



# From the Community-Level Dataset

Sources: OECD, Eurostat, national statistical agencies

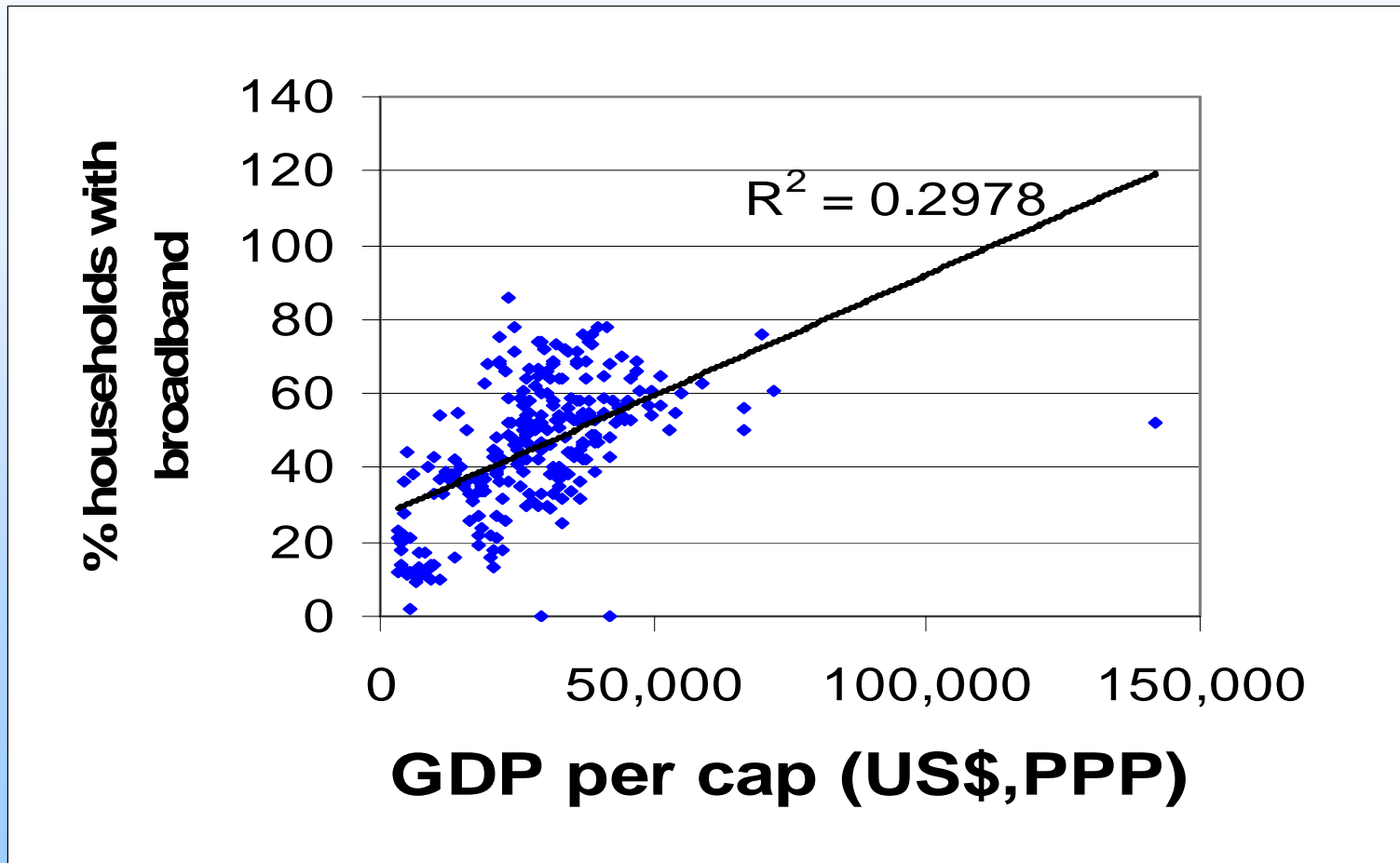
Community	%hh with broadband	Population Total	Population density	GDP total (US\$m), PPP	GDP per cap, PPP	Education
KR0: Korea	73	48,138,077	484	1,033,424	22,408	<a href="#">32</a>
KR01: Capital region	75	23,202,135	1,982	489,717	21,809	38
KR02: Gyeongnam region	69	7,764,293	630	178,059	36,214	35
KR03: Gyeonbuk region	68	5,158,051	259	107,232	21,809	34
KR04: Jeolla region	69	5,112,577	249	105,058	21,633	24
KR05: Chungcheong region	78	4,870,989	294	115,354	24,626	22
KR06: Gangwon region	68	1,488,365	90	27,969	19,735	28
KR07: Jeju	63	541,667	293	10,035	19,277	31
France	57	60,825,000	112	1,830,532	30,725	27
FR1 Île de France	64	11,445,144	953	523,138	45,708	40
FR2 Bassin Parisien	52	10,601,707	73	274,605	25,902	21
FR3 Nord - Pas-de-Calais	52	4,037,562	325	94,730	23,462	24
FR4 Est	50	5,292,080	110	137,217	25,929	23
FR5 Ouest	54	8,194,093	95	216,154	26,705	25
FR6 Sud-Ouest	49	6,559,135	63	173,562	26,461	26
FR7 Centre-Est	52	7,313,840	105	211,997	28,986	26
FR8 Méditerranée	57	7,552,355	112	199,128	26,366	26





# % Households with Broadband From Low to High Income per Capita

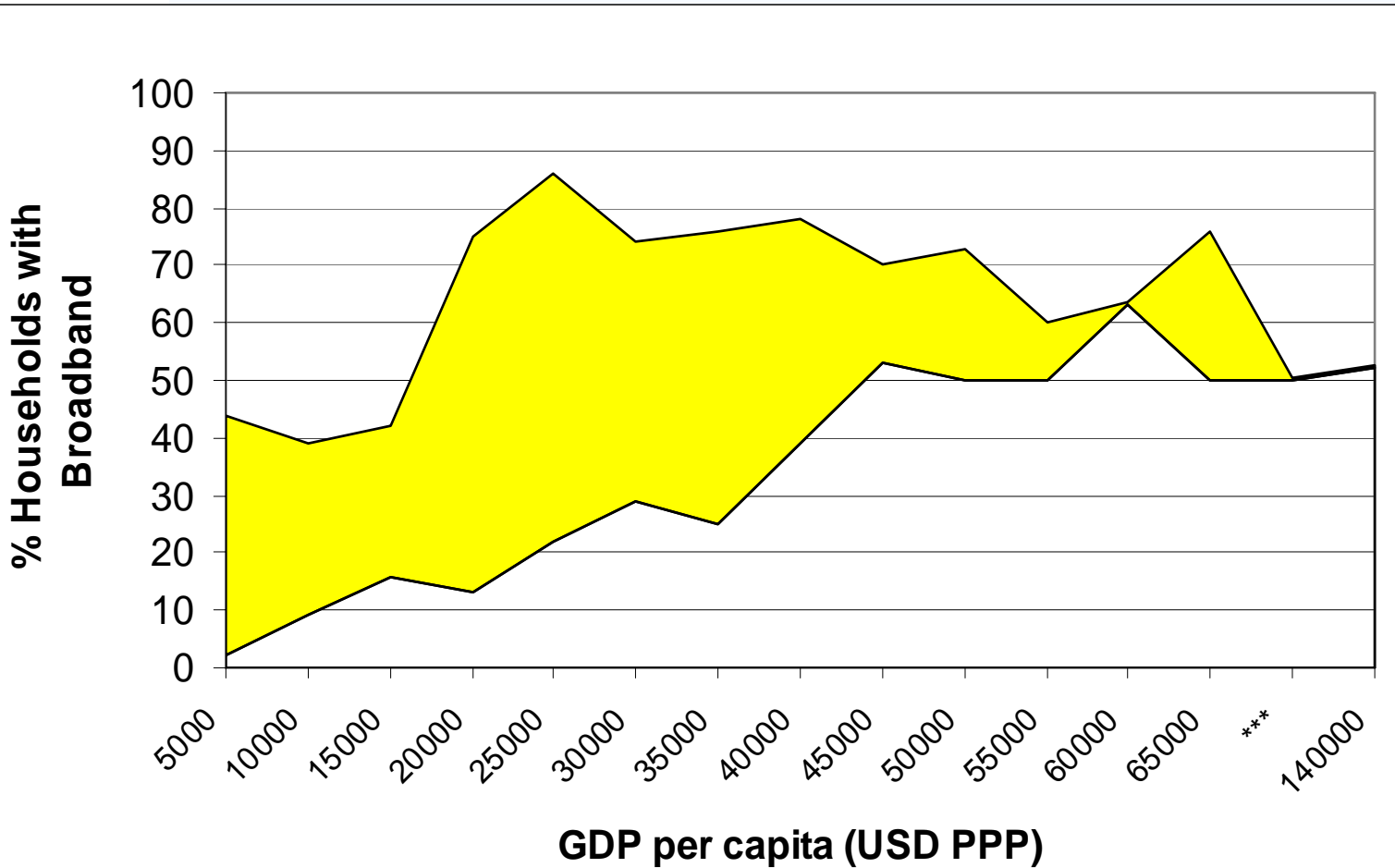
Sources: OECD, Eurostat, national statistical agencies





# % Households with Broadband From Low to High Income per Capita

Sources: OECD, Eurostat, national statistical agencies



Source: International Broadband Community-Level Dataset



# International Broadband Pricing Data

- Methodology:
  - Price and service offerings by incumbent broadband providers and at least two new entrants
    - Monthly charge by service offerings
    - Type of technology used
    - Download and upload speeds
    - Installation and line rental charges
    - Other recurring charges
    - Length of service contract
    - Retail broadband market share of incumbent provider



# International Broadband Pricing Data

- FCC staff pricing database represents the first step toward understanding market conditions including scope of service offerings and prices paid by consumers in different parts of the world.
- Things to include in next version of the database:
  - Pricing and other relevant information from Latin American and African countries
  - Info on extent of geographic coverage of broadband service providers
  - Regulatory information affecting broadband pricing
  - Types of broadband applications offered
  - Information on broadband service performance
  - Data on mobile broadband