PREPARATION OF THE AREAS OF INTERVENTION WITH THE USE OF DATA FROM INVENTORY – OPERATIONAL PROGRAMME DIGITAL POLAND

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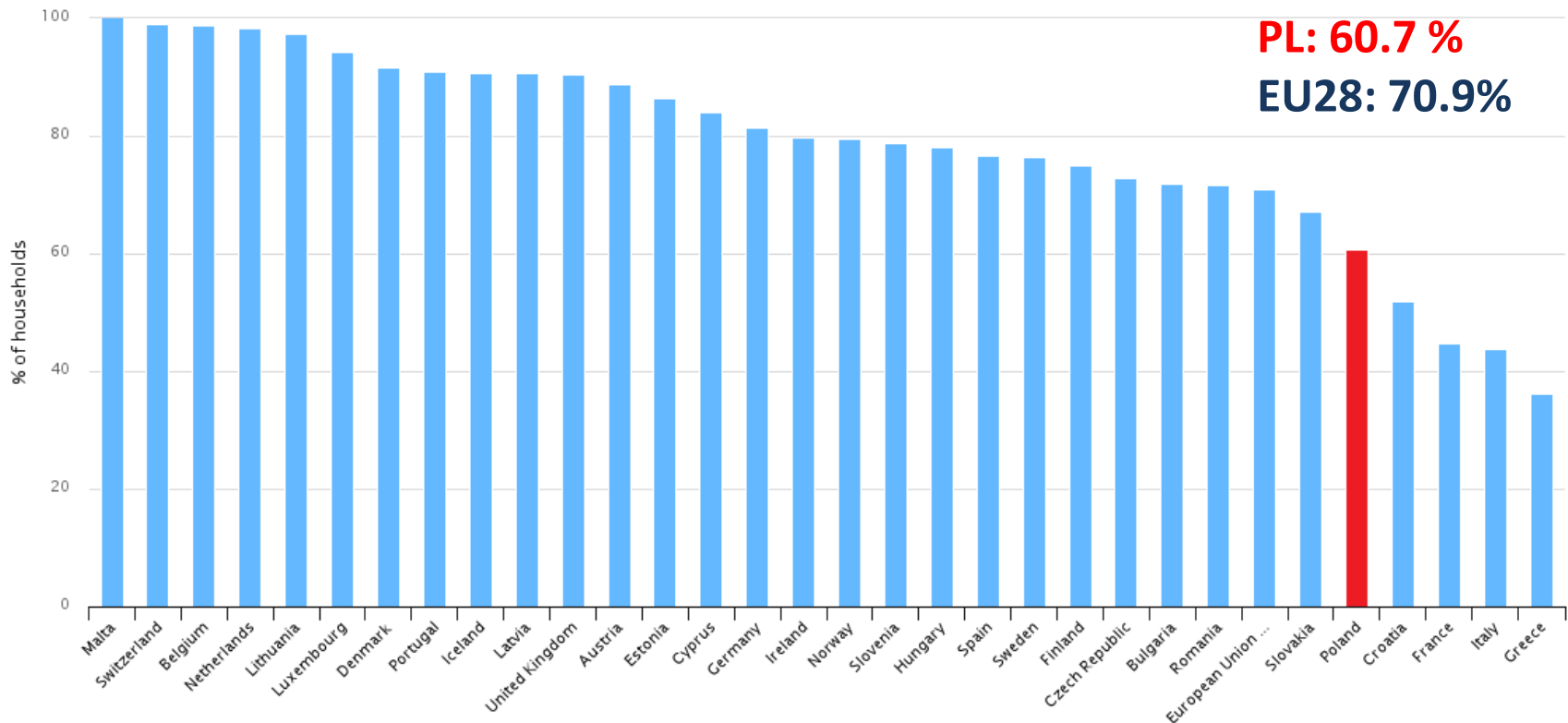
ITU-EC-UKE Regional Conference for Europe
Broadband Services and Infrastructure Mapping
Warsaw, 11-12 April 2016

WHERE WE ARE ON THE MAP OF EUROPE WITH SUPERFAST BROADBAND PENETRATION

NGA broadband coverage/availability (as a % of households)

Year:2015

PL: 60.7 %
EU28: 70.9%

European Commission, Digital Scoreboard

BUILDING MODERN BROADBAND NETWORKS 2007-2013

COST
Approx. 1.4 bln EUR

14 MAIN PROJECTS
plus over 850 local
projects

RESULTS OF THE 2007-2013 BROADBAND PROGRAMS IN POLAND

Planowana liczba podłączeń w wyniku realizacji
projektów w ramach Działania 8.4 POIG i 2.1 PO RPW

|		
od 1 do 50	(358)	
od 51 do 100	(197)	
od 101 do 500	(542)	
od 501 do 1 000	(83)	
od 1 000 do 3 550	(41)	
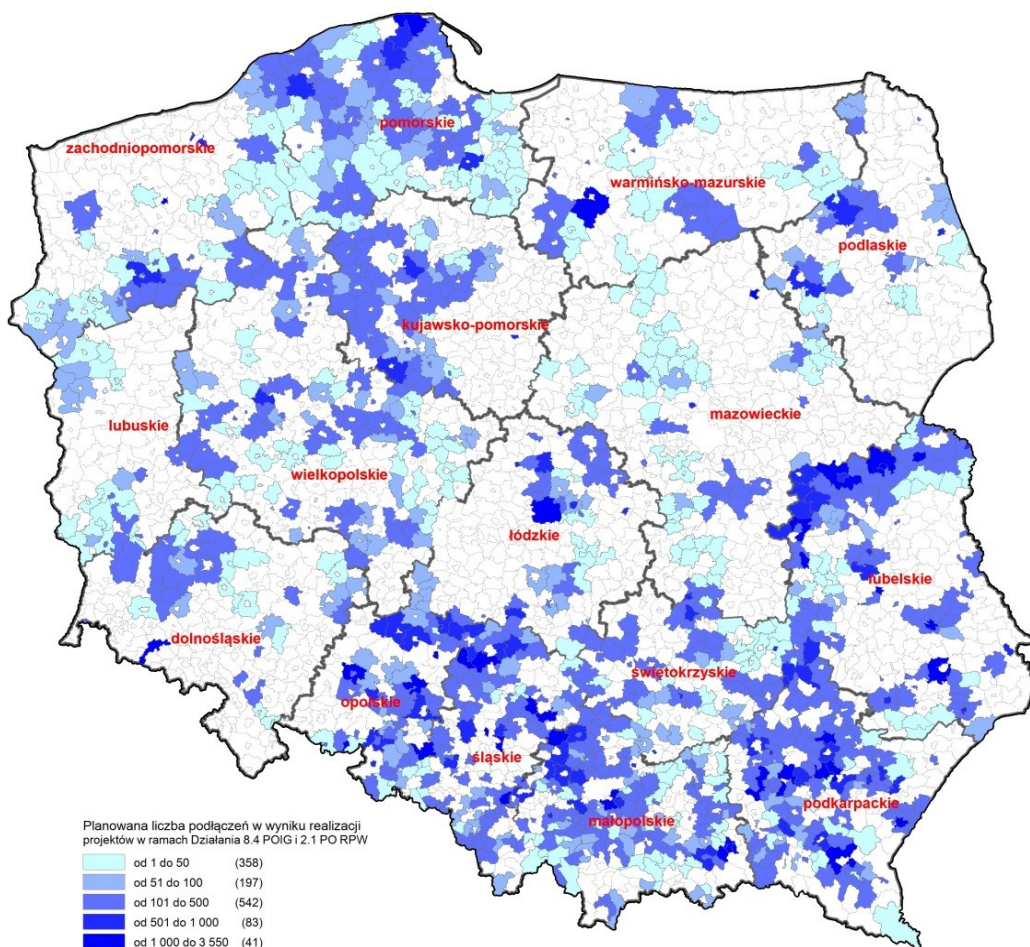
Focus on the distribution networks

Outcomes:
- 58 745 km of networks in total
- 24 000 km of new fibre networks
- 2500 distribution nodes
- 500 core nodes
- approx. 280,000 households, incl. 200,000 in FTTx mostly in towns with 1000 to 5000 inhabitants

LOCATION OF CORE AND DISTRIBUTION NODES

more than 2500 distribution nodes

more than 500 core nodes
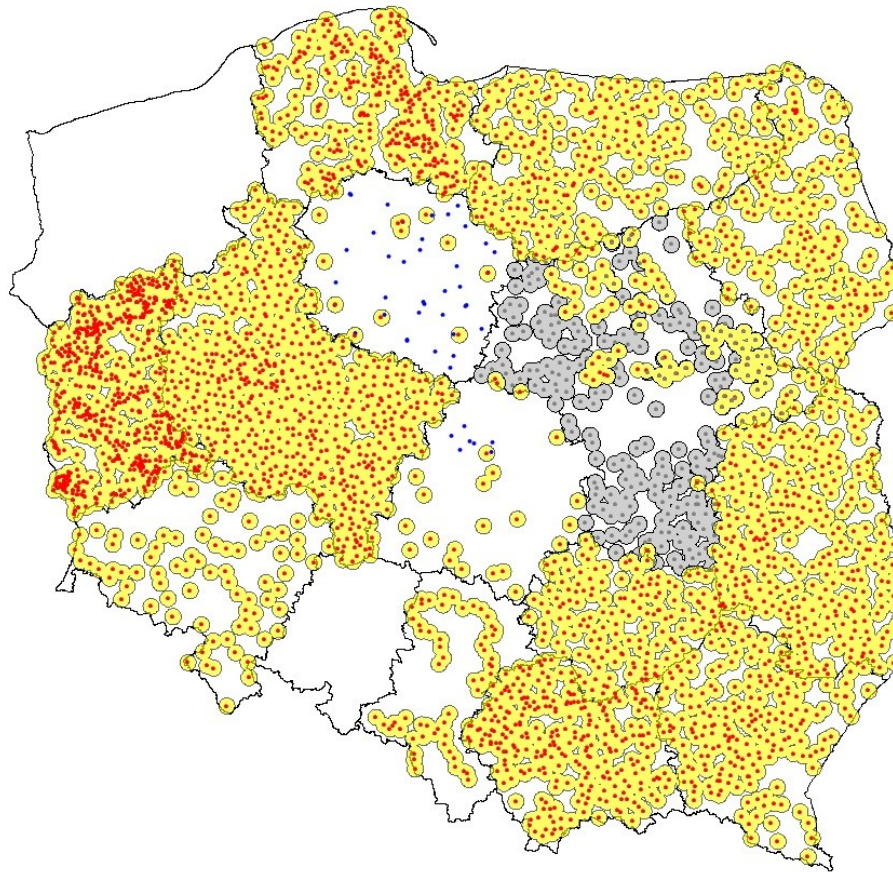
węzły RSS w technologii światłowodowej

węzły RSS w technologii radiowej

węzły RSS o niezdefiniowanej technologii

obszar w odległości do 6km od światłowodowych węzłów RSS

obszar w odległości do 6km od węzłów RSS niezidentyfikowanych

granice województw

OPERATIONAL PROGRAMME DIGITAL POLAND 2014 -2020

OPERATIONAL PROGRAMME DIGITAL POLAND
2014 - 2020

FUNDS
Approx. 2.2 bn EUR

NATIONAL CONTRIBUTION
Approx. 0.2 bn EUR

EUROPEAN UNION CONTRIBUTION
Approx. 2.0 bn EUR

1.02 bn EUR
for access to fast broadband

OPERATIONAL PROGRAMME DIGITAL POLAND

PRIORITY AXIS I COMMON ACCES TO HIGH-SPEED INTERNET	PRORITY AXIS II E-GOVERNMENT AND OPEN GOVERNMENT	PRORITY AXIS III DIGITAL COMPETENCES OF THE SOCIETY	PRORITY AXIS IV TECHNICAL ASSISTANCE
OBJECTIVES 1. Eliminating territorial differences in access to high-speed broadband Internet	**OBJECTIVES** 1. High availability and quality of public e-services 2. Digitisation of back office processes in government administration 3. Digital availability and usefulness of public sector information	**OBJECTIVES** 1. Increasing the degree and the improvement of Internet skills, including public e-services	**OBJECTIVES** 1. Efficient management and implementation of OP DP 2. Coherent and efficient information and promotion system

DIGITAL POLAND 2020 - OUTLOOK

WHAT WILL WE ACHIEVE?

➢ access to the broadband Internet with speeds of at least 30 Mb/s all around the country

➢ citizen-oriented administration services provided by electronic means

➢ interoperability of ICT systems of public administration

➢ fully electronic public records

➢ significant increase of digital literacy, which will allow to compete at the modern labour market and participate in creating a modern state (open government)

➢ balance between demand and supply of e-content (sharing of public resources in education, science, cultural heritage), stimulating social creativity, economic growth, creating new and innovative business models

DIGITAL POLAND OPERATIONAL PROGRAMME

- ➢ new focus: access networks

- ➢ ground-breaking definition of a "white spot" and clear criteria of what NGA is

- ➢ economic viability criteria for identification of areas for intervention

- ➢ required openness of networks

ROLE OF UKE AND THE IMPORTANCE OF NETWORK INVENTORY

➢ infrastructure and services inventory per operator, technology, capacity used for analytical purposes

➢ consultation of operators' investment plans

➢ database interlinking: data from all available public registers and from the UKE inventory

➢ cost and demand models used to estimate financial gaps and identify areas for intervention

➢ automated processes
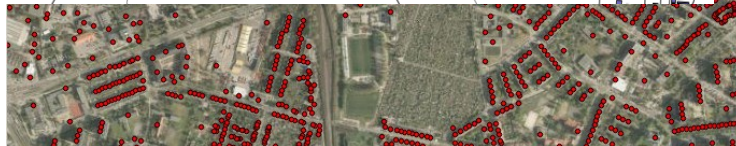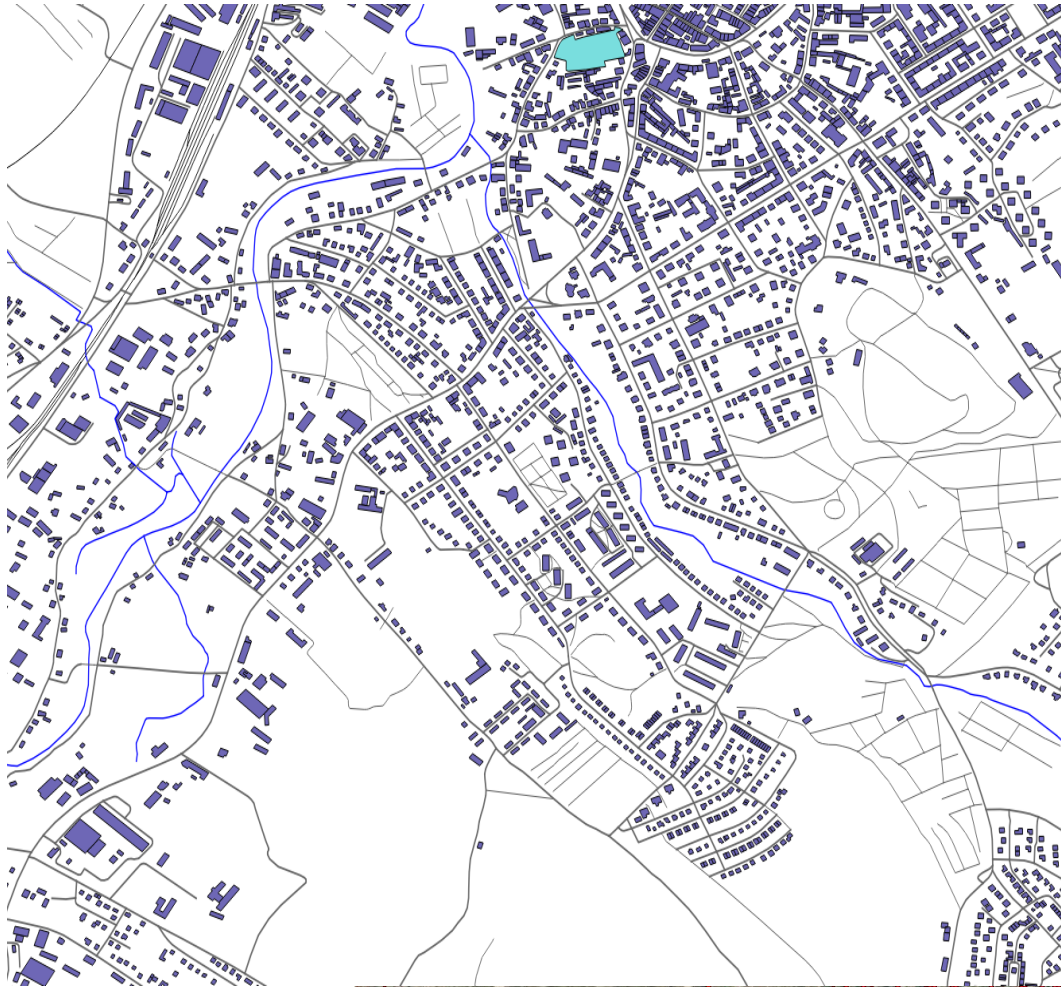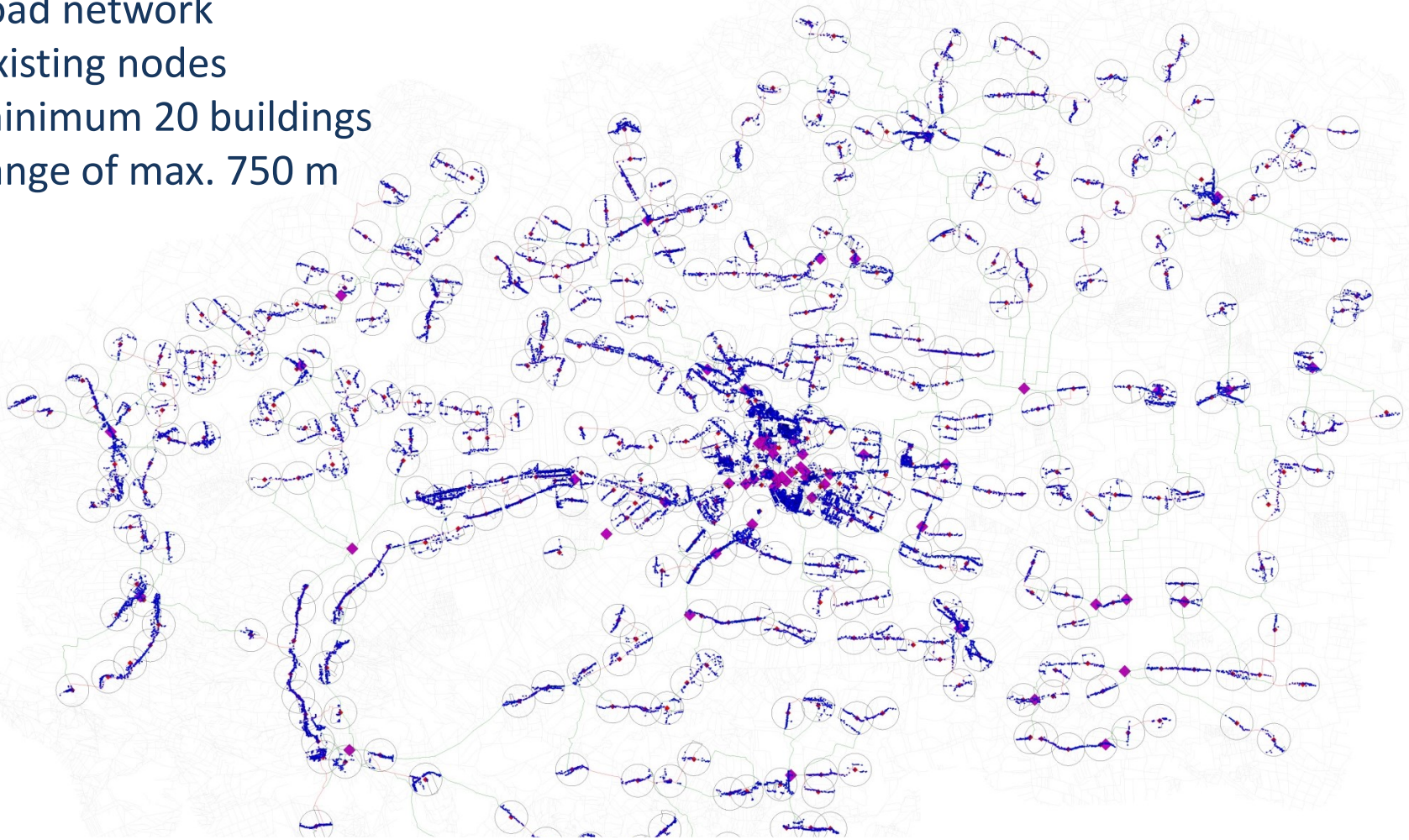
➢ participation of UKE experts

- road network
- existing nodes
- minimum 20 buildings
- range of max. 750 m

Determination of the optimum network flow
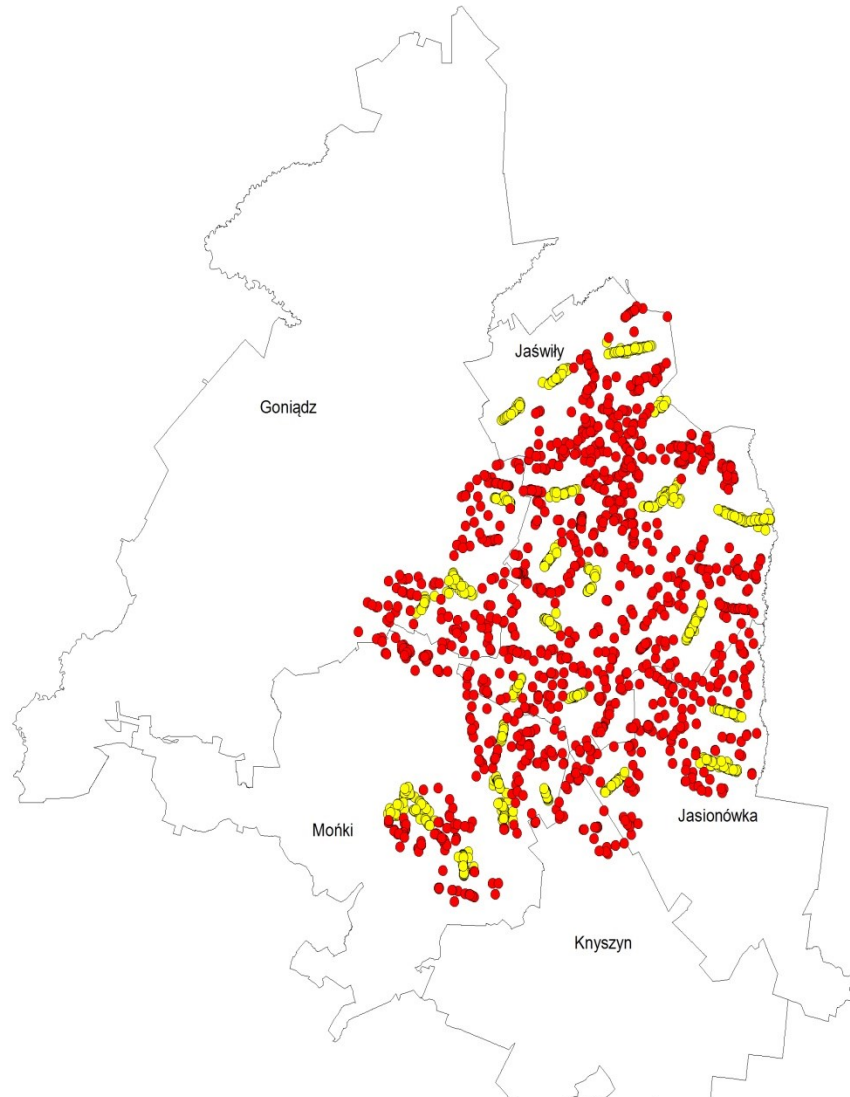
POPC01_20898

POPC01_20900
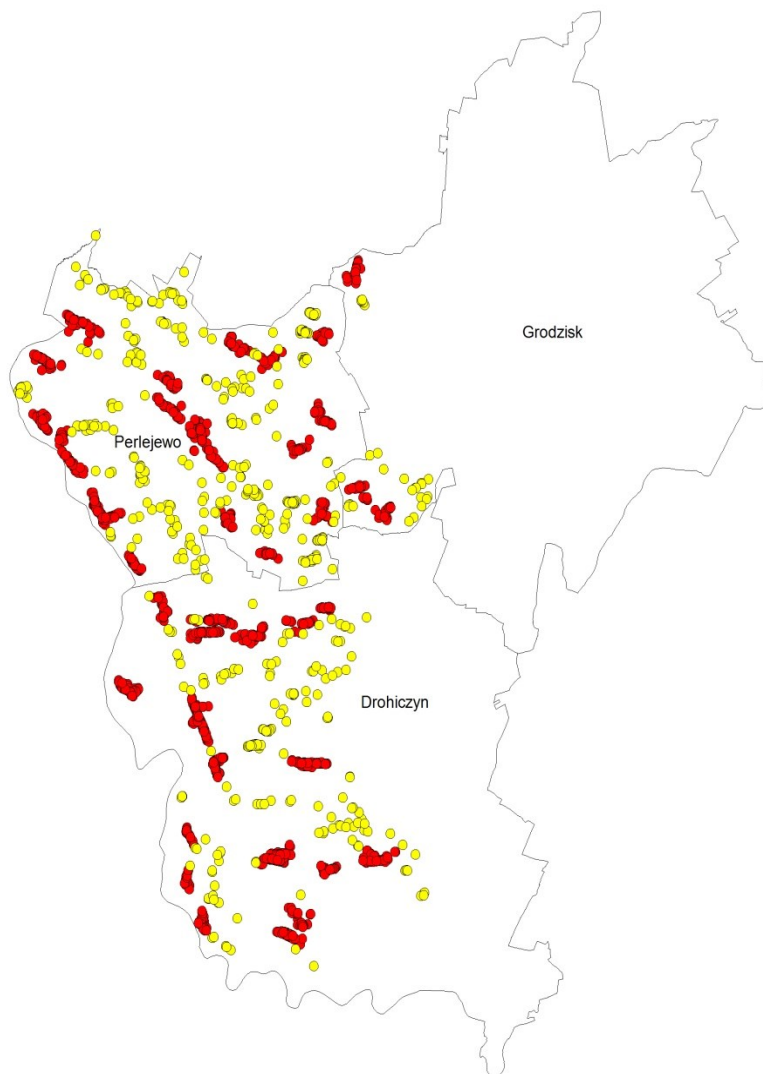
HOW IT LOOKS IN PRACTICE: EXAMPLE OF AN INTERVENTION AREA
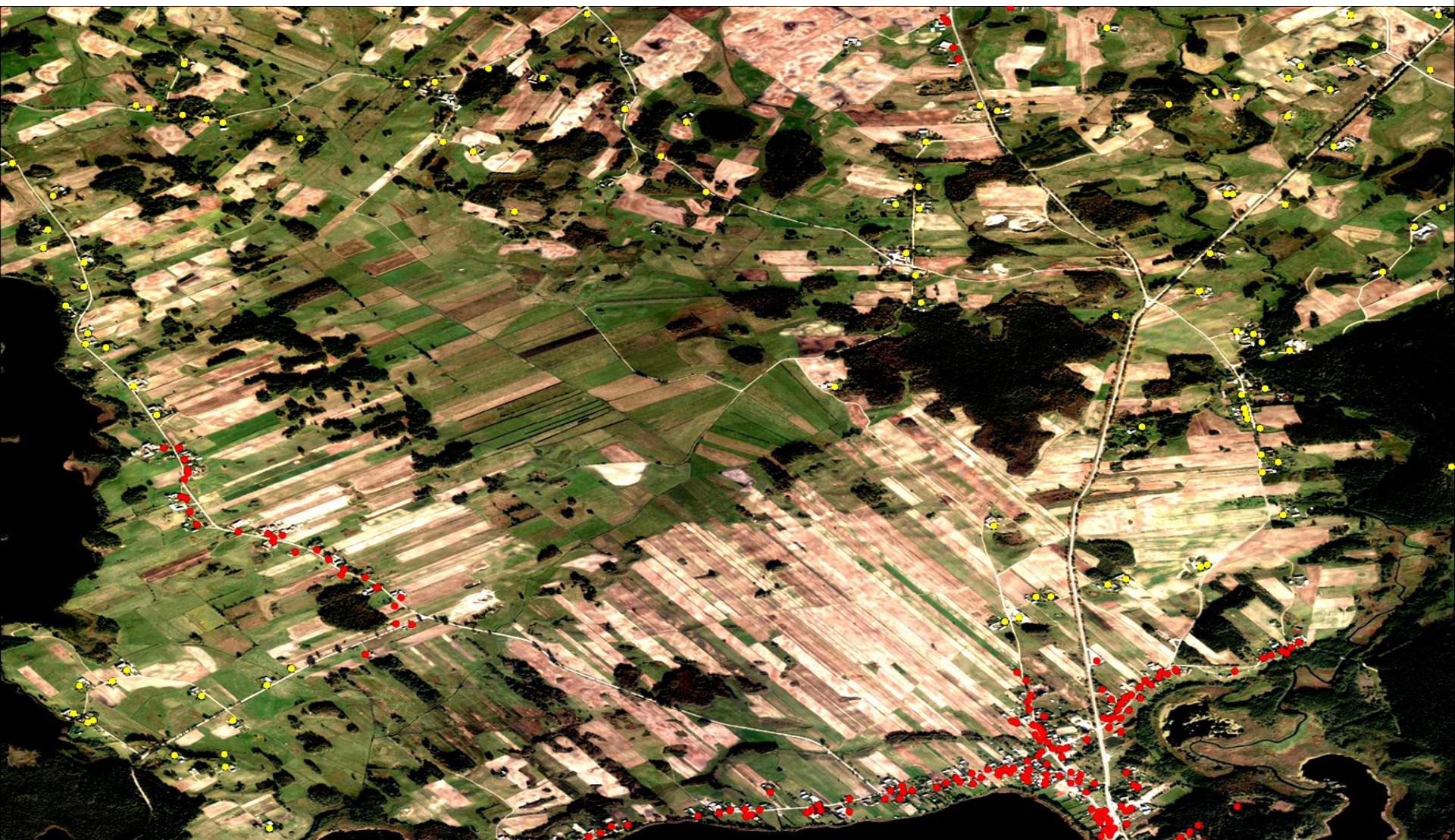
299 competitive areas
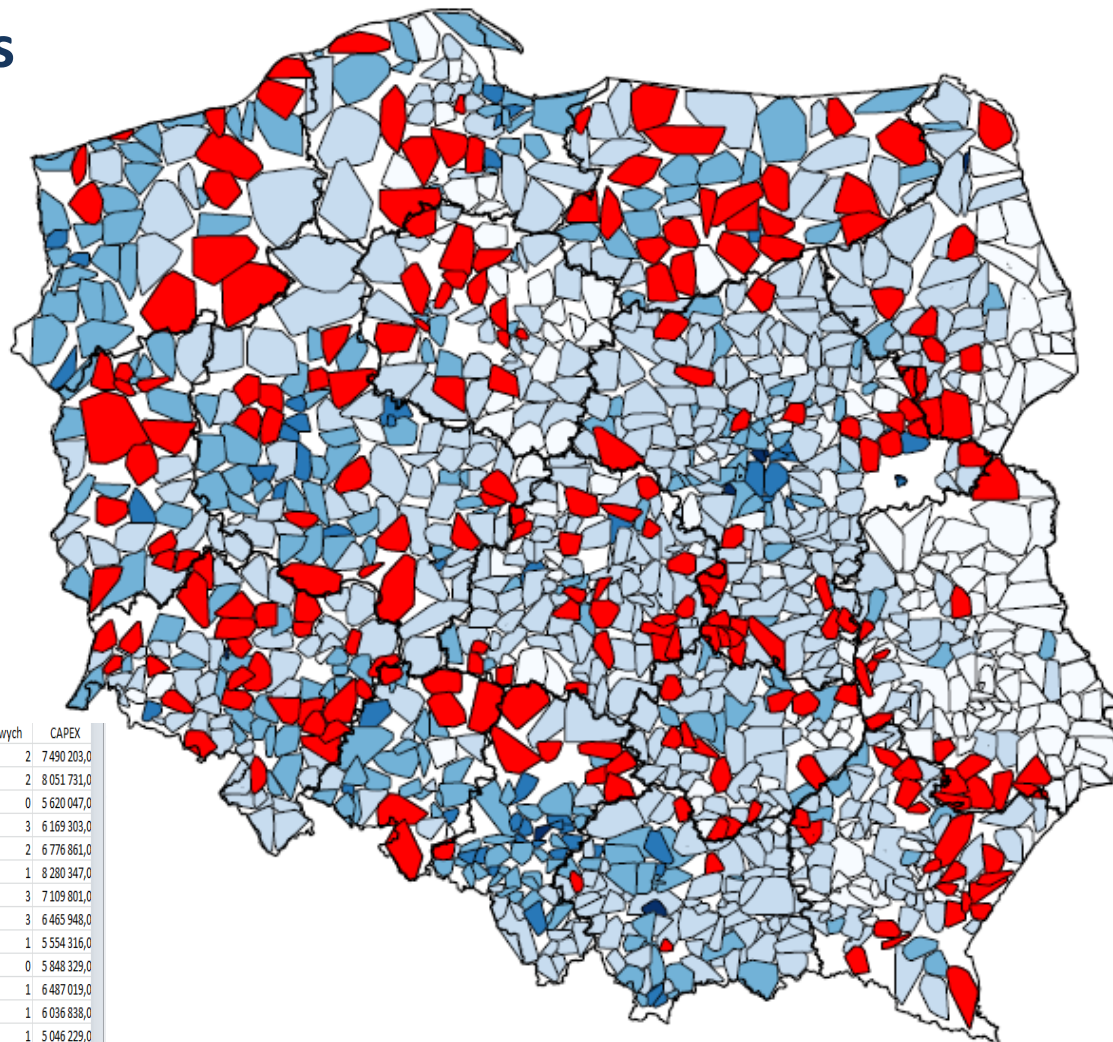
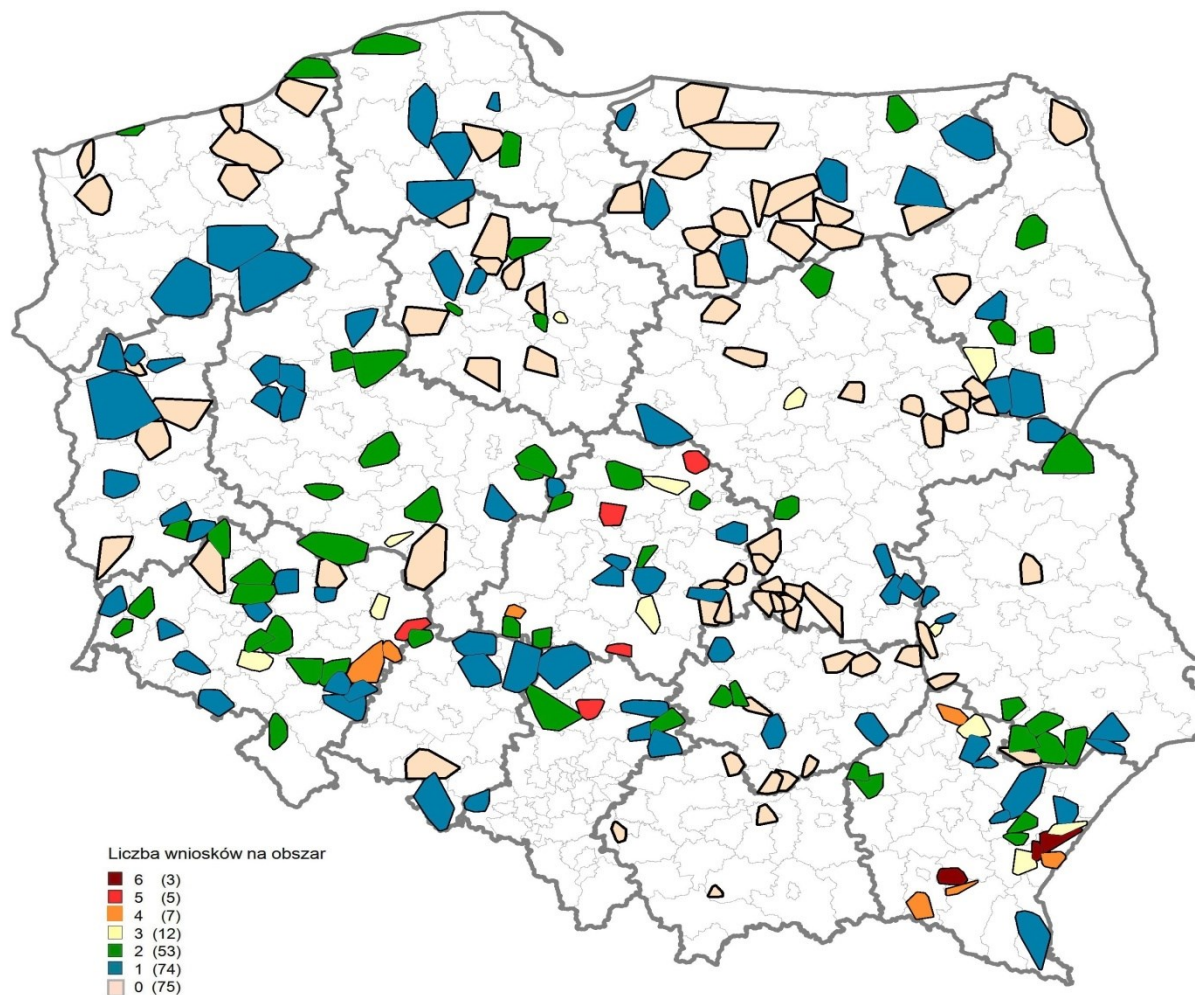|	Nr_obszaru	Województwo	Powiaty	Liczba lokali	Liczba lokali ogółem	lokali do pokrycia	oświatowych	CAPEX
2	POPC01_020329	DOLNOŚLĄSKIE	BOLESŁAWIECKI	1651	2161	1321	2	7 490 203,0
3	POPC01_020334	DOLNOŚLĄSKIE	GŁOGOWSKI	2179	2680	1743	2	8 051 731,0
4	POPC01_020341	DOLNOŚLĄSKIE	JAWORSKI	1483	1754	1186	0	5 620 047,0
5	POPC01_020345	DOLNOŚLĄSKIE	JELENIOGÓRSKI	1290	1689	1032	3	6 169 303,0
6	POPC01_020346	DOLNOŚLĄSKIE	KAMIENNOGÓRSKI	1598	2103	1278	2	6 776 861,0
7	POPC01_020353	DOLNOŚLĄSKIE	KŁODZKI	2070	2996	1656	1	8 280 347,0
8	POPC01_020360	DOLNOŚLĄSKIE	LEGNICKI	1952	2309	1562	3	7 109 801,0
9	POPC01_020363	DOLNOŚLĄSKIE	LUBAŃSKI	1641	1845	1313	3	6 465 948,0
10	POPC01_020365	DOLNOŚLĄSKIE	LUBIŃSKI	1312	1629	1050	1	5 554 316,0
11	POPC01_020366	DOLNOŚLĄSKIE	LUBIŃSKI	1356	1673	1085	0	5 848 329,0
12	POPC01_020370	DOLNOŚLĄSKIE	LWÓWECKI	1453	1802	1162	1	6 487 019,0
13	POPC01_020374	DOLNOŚLĄSKIE	OLEŚNICKI	1527	1909	1222	1	6 036 838,0
14	POPC01_020375	DOLNOŚLĄSKIE	OLEŚNICKI	1177	1446	942	1	5 046 229,0
15	POPC01_020377	DOLNOŚLĄSKIE	OŁAWSKI	1981	2709	1585	2	7 225 211,0
16	POPC01_020378	DOLNOŚLĄSKIE	OŁAWSKI	2097	2444	1678	2	7 384 722,0
17	POPC01_020379	DOLNOŚLĄSKIE	POLKOWICKI	1603	2104	1282	1	6 540 962,0

PARTICIPATION OF UKE EXPERTS

- Identification of areas for intervention
- Technical specification for NGA-PO PC and wholesale access rules
- Competition documentation

Project evaluation by UKE

- 287 applications
- 229 areas
- max 6 applications for 1 area

Opinions on project changes

- technology
- local circumstances

Control

- technology
- quality of network
- open access, interconnection
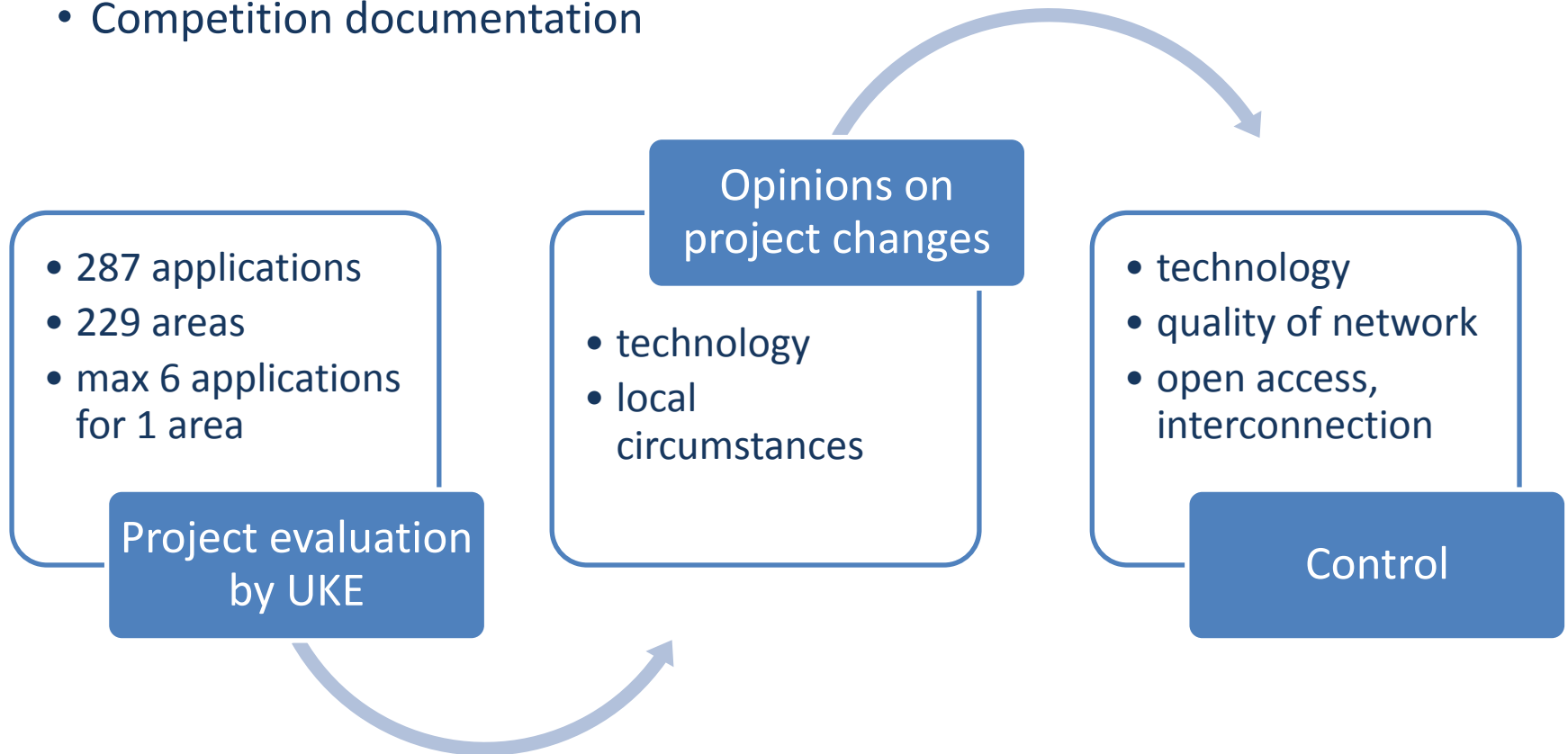
INTERWETION AREAS AFTER FIRST COMPETITION

Liczba wniosków na obszar

- 6 (3)
- 5 (5)
- 4 (7)
- 3 (12)
- 2 (53)
- 1 (74)
- 0 (75)

WHERE WE ARE IN THE PROCESS AND WHAT WILL BE THE NEXT STEPS

- First competition for small projects (max PLN 5 million) - 2015/2016
- Second competition for big (regional) projects (max PLN 250 million) – 2016
- Supplementary competition - 2016/2017

CHALLENGES FOR POLAND

High-speed Internet access

Elimination of barriers to Internet access

Open network

Wireless network

Directions of development

Infrastructure sharing

Regulation rules of public investment

Synergies

Activation of industrial players

Thank you for your attention

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