



NATIONAL RESEARCH
UNIVERSITY

Institute for Agrarian
Researches



Moscow, May 13,
2019

WORKSHOP

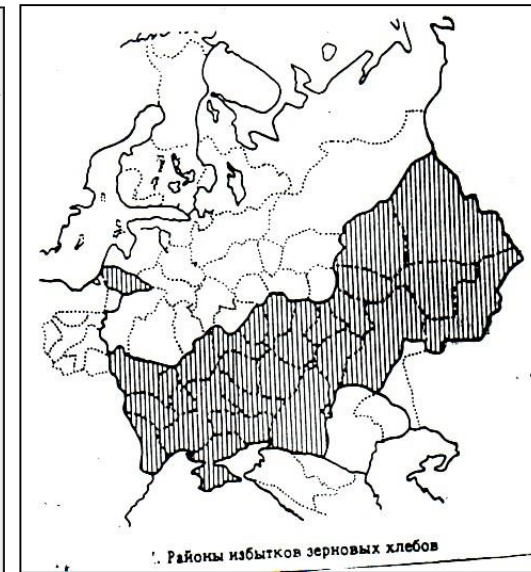
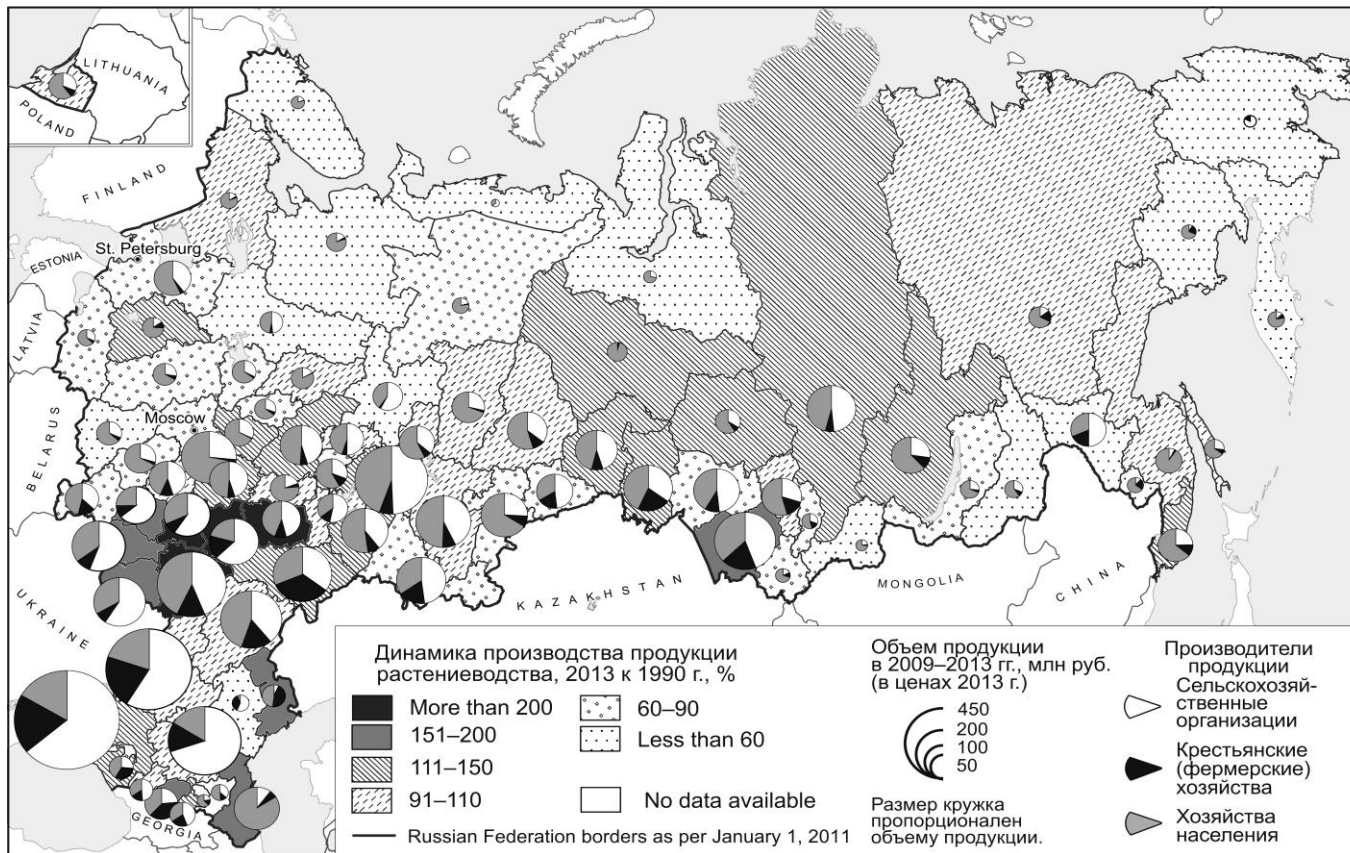
REGIONAL DEVELOPMENT STRATEGIES FOR SUSTAINABLE
AGRICULTURE, RURAL AND URBAN REGIONS

Theme: «Spatial disparities in social and economic development and rural areas destiny in Russia: towards the new regional policy»



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Russia: polarization of agriculture as a result of market economy



Regions of excess of grain
(Chayanov, 1924)

Crop production by large regions (Bogachev, 2015)

- ✓ Market optimization: concentration of agriculture in the South of European Russia
- ✓ 15 from 85 large regions = 1/2 of all ag production value (1990s – 1/3)

Environmental challenges: territorial concentration of pig breeding

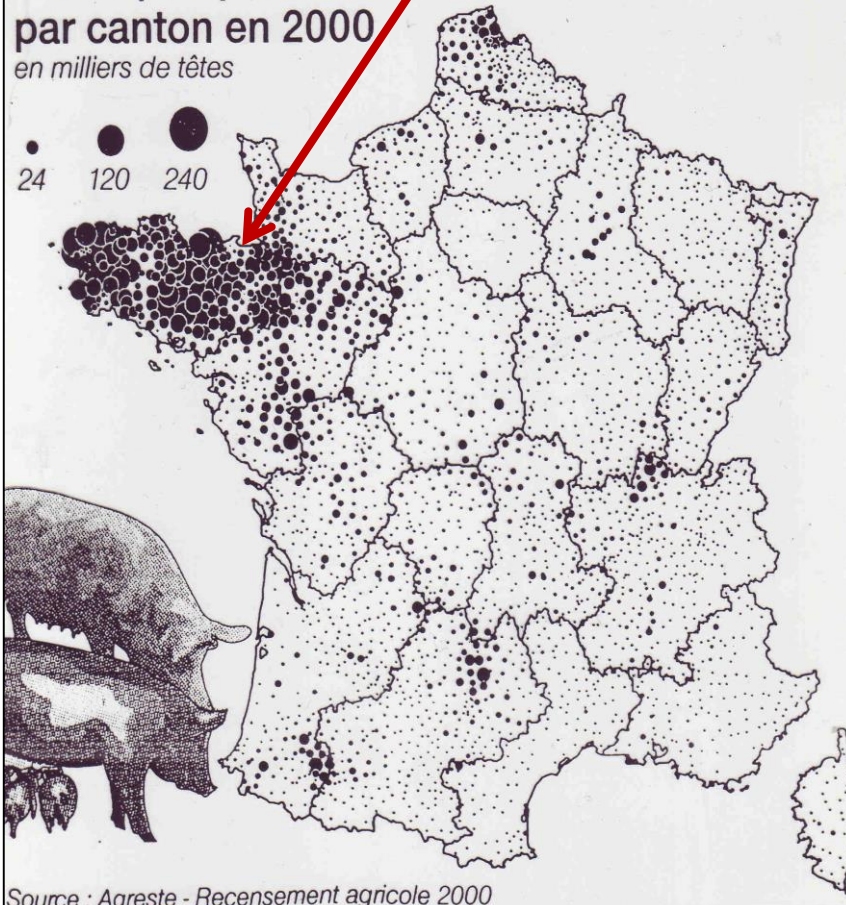


Bretagne, France: 2/3



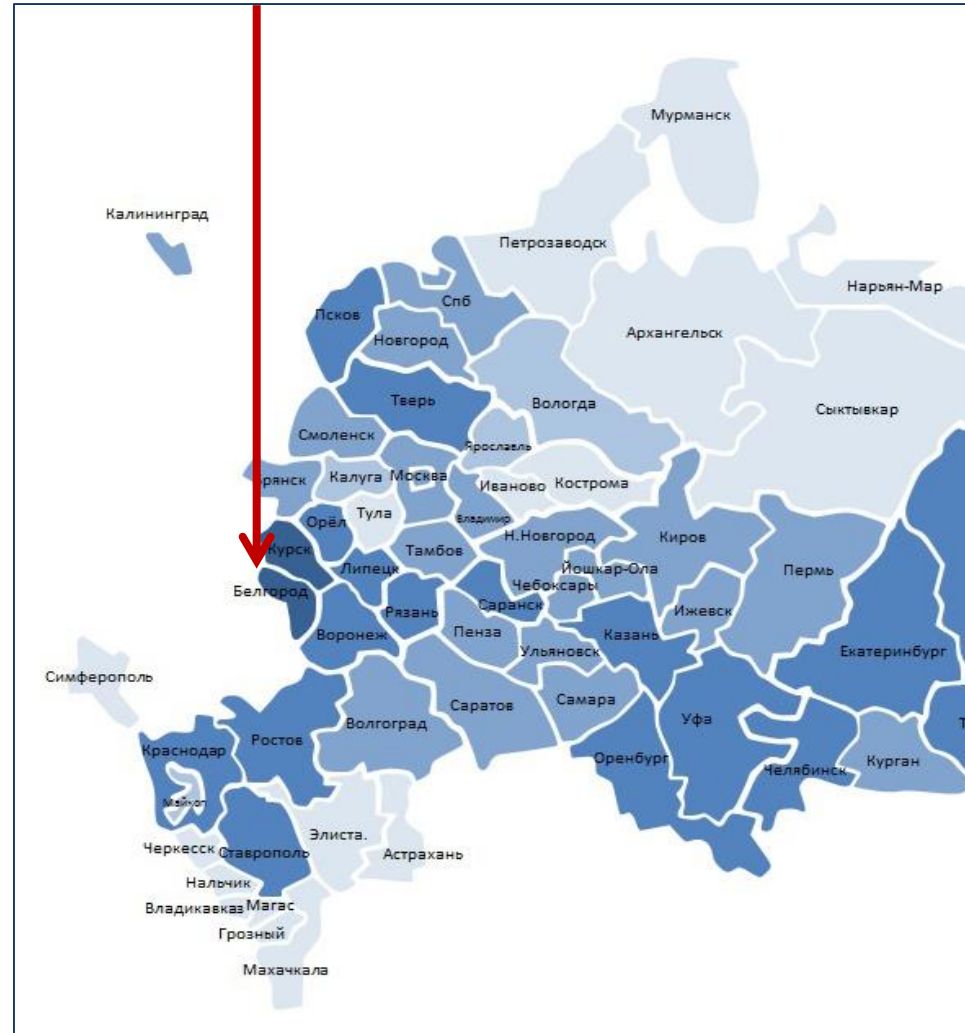
**Le cheptel porcin
par canton en 2000**
en milliers de têtes

• 24 • 120 • 240

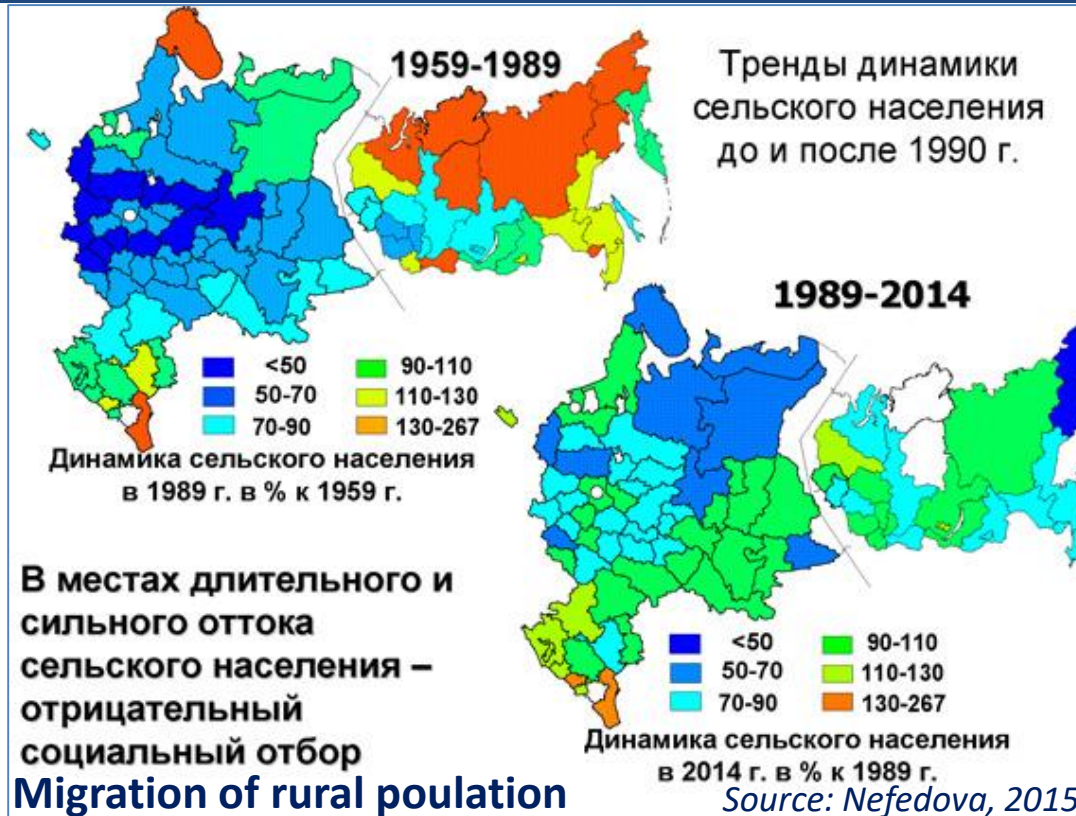


Source : Agreste - Recensement agricole 2000

**Chernozem Region, Russia: 1/3
(Belgorod obl. – 18,2%, 3 pigs per capita)**



Social challenges: polarization of rural population



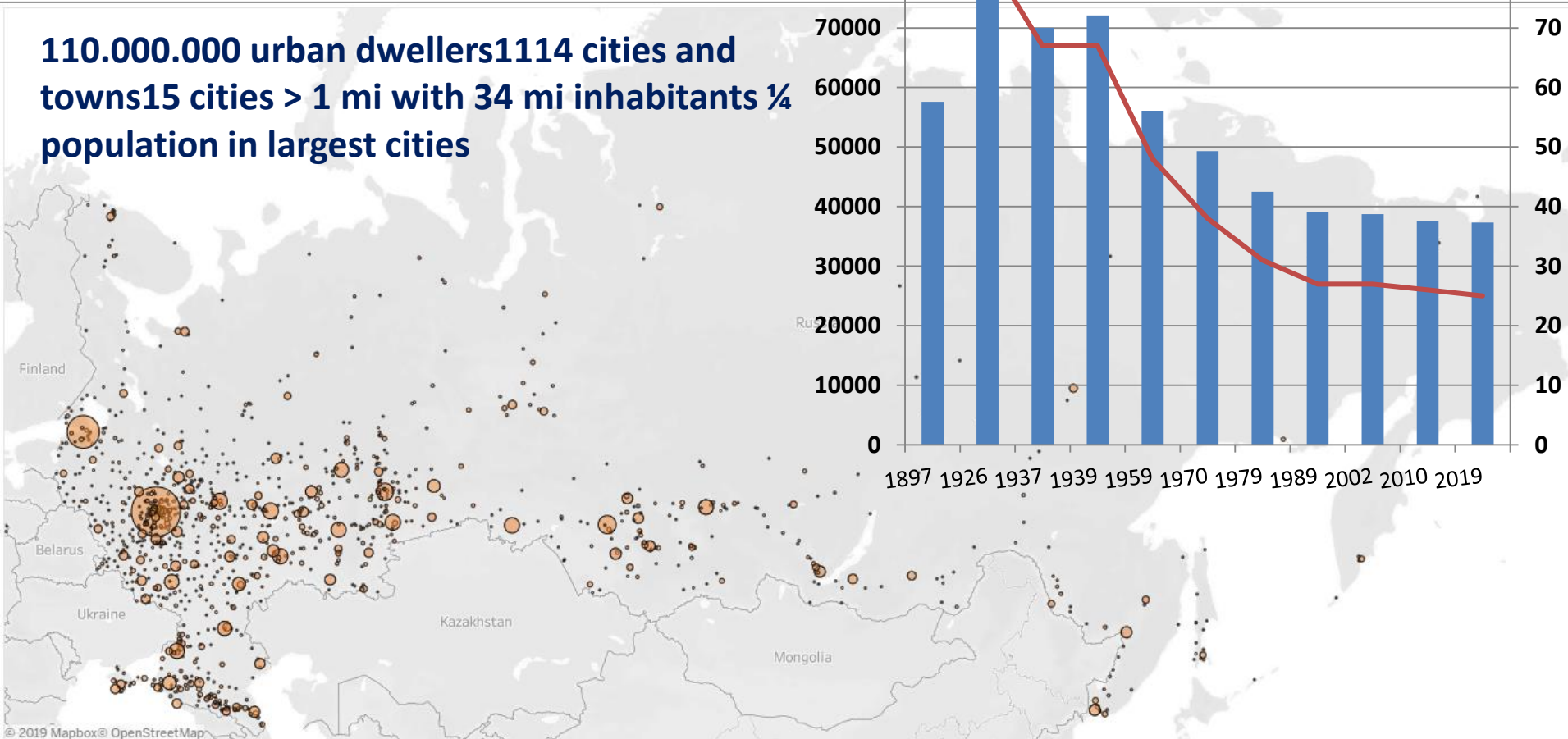
Negative effects of market economy on rural development

- ✓ depopulation of rural areas,
- ✓ marginalization of rural population,
- ✓ social apathy, indifference to innovations,
- ✓ spatial polarization, expansion of the periphery (Nefedova, 2018, 2019)

Russia: number of rural households with abandoned houses, 2016

38 mi rural dwellers ~150.000 rural settlements ~130.000 inhabited, ½ – less than 50 people

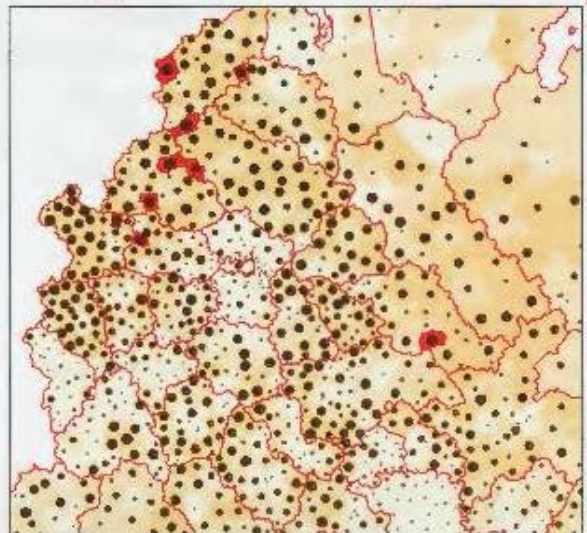
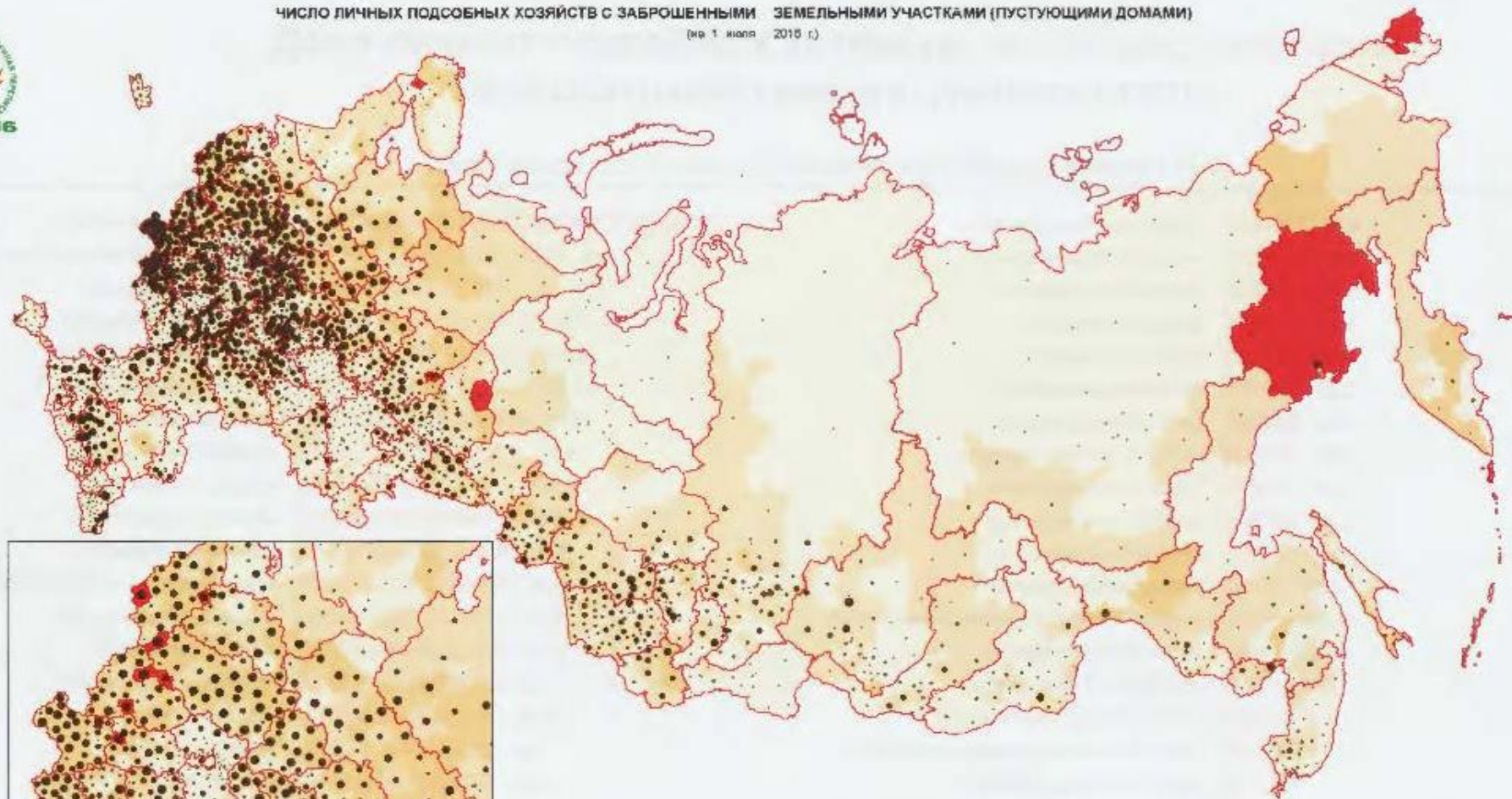
110.000.000 urban dwellers 1114 cities and towns 15 cities > 1 mi with 34 mi inhabitants ¼ population in largest cities



Russia: number of rural households with abandoned houses, 2016



ЧИСЛО ЛИЧНЫХ ПОДСОБНЫХ ХОЗЯЙСТВ С ЗАБРОШЕННЫМИ ЗЕМЕЛЬНЫМИ УЧАСТКАМИ (ПУСТУЮЩИМИ ДОМАМИ)
(на 1 июля 2016 г.)



Число личных подсобных хозяйств с заброшенными земельными участками (пустующими домами), тыс.*

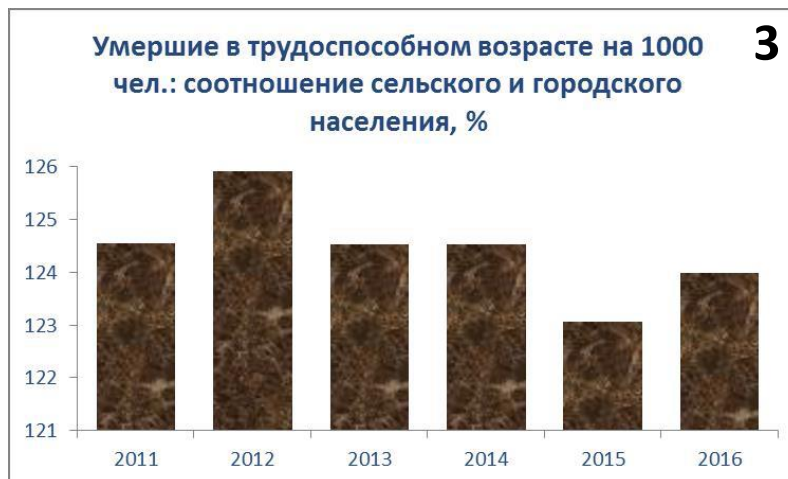
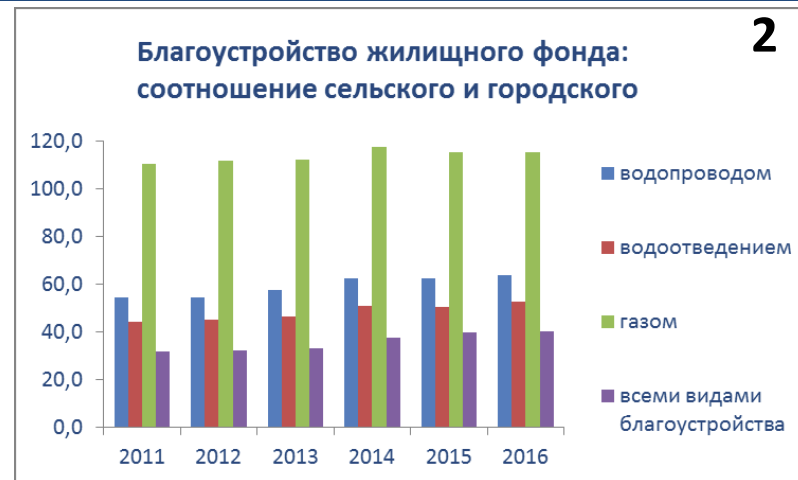
- до 0,5
- 0,6–1,3
- 1,4–2,1
- 2,2–3,4
- 3,5–6,1

Удельный вес личных подсобных хозяйств с заброшенными земельными участками, в их общем числе (%)**

- явление отсутствует
- 0,0–11
- 11,1–25
- 25,1–50
- 50,1–100

Rosstat, 2018

* в муниципальных районах и городских округах субъектов Российской Федерации



1. Available financial resources
2. Comfortable housing: tap water/ sewage/ gaz/ equipped by all
3. Dead at working age per 1.000 inhabitants

Russia: state policy of support for agricultural and rural development

- ✓ **State program “Development of agriculture and regulation of ag production, raw materials and food for 2013-2020”**
- ✓ Guarantee food security
- ✓ Increase competitiveness on domestic and international markets
- ✓ Promote innovative development
- ✓ Provide financial stability of producers
- ✓ Reproduce and increase efficiency of land and water use, guarantee environmental safety
- ✓ Enable sustainable development of rural areas
- ✓ **Subsidies to agricultural producers – 242 bi ₺ (2018)**
- ✓ **Budget for sustainable development of rural areas – 25 bi ₺**
- ✓ **Program “International cooperation and exports” – 350 bi ₺ for agro-industrial complex support (2019+7 years)**
- ✓ **State program of complex development of rural areas – 100 → 200 bi ₺ (2020+10 years)**

Development of agriculture ≠ Rural development

Targets for complex rural development

- ✓ Increase income of rural population (*close the gap with urban to 85%*)
- ✓ Stop depopulation, trigger “secondary colonization” of waste areas
- ✓ Create a balanced system of settlements

Recipes for rural development

- ✓ Stimulate “economic behaviour” of rural population
- ✓ Attract investments for modernize traditional and small-scale agriculture
- ✓ Promote non-agricultural jobs in rural areas
- ✓ Create favourable life conditions even in remote villages
- ✓ Apply innovative / autonomous solutions for energy supply, distant learning, telemedicine
- ✓ Enhance connectivity (roads, 4G Internet, mobile telephony)

Development tools

- ✓ Coordination of “departmental” federal and regional development programs
- ✓ Contest of “grass root” projects, co-funded by Federal gvt

Agricultural and rural development: matrix of Russian regions

Rural development ↓/ AG development→	Leaders	Average	Non-agricultural
High	Krasnodar kray, Belgorod oblast, Tatarstan	Moscow obl., Leningrad obl., Kaliningrad obl.	Khanty-Mansi AR, Yamalo-Nenetz AR
Average	Kaluga obl., Tula obl., Altay kray	Bryansk obl., Kursk obl., Rep. Bashkortostan	Rep. Karelia, Perm' kray, Rep. Yakutia
Low	?	Pskov obl., Kostroma obl., Rep. Ingushetia	Rep. Komi, Rep. Tuva, Chukotka AR

1. Monitoring social and economic development of rural areas

2. Inventory / municipal level typologies (1759 regions and 591 townships)

- Social and economic typology of rural areas:
 - ✓ demography and settlement
 - ✓ level and source of income,
 - ✓ quality of life,
 - ✓ safety and attractiveness of environment
- Typology of enterprises and households by size, sales, etc.

3. Advisory to Federal Government

- designing The State Program of Complex Development of Rural Areas
- Recommendations for resilient development of rural areas

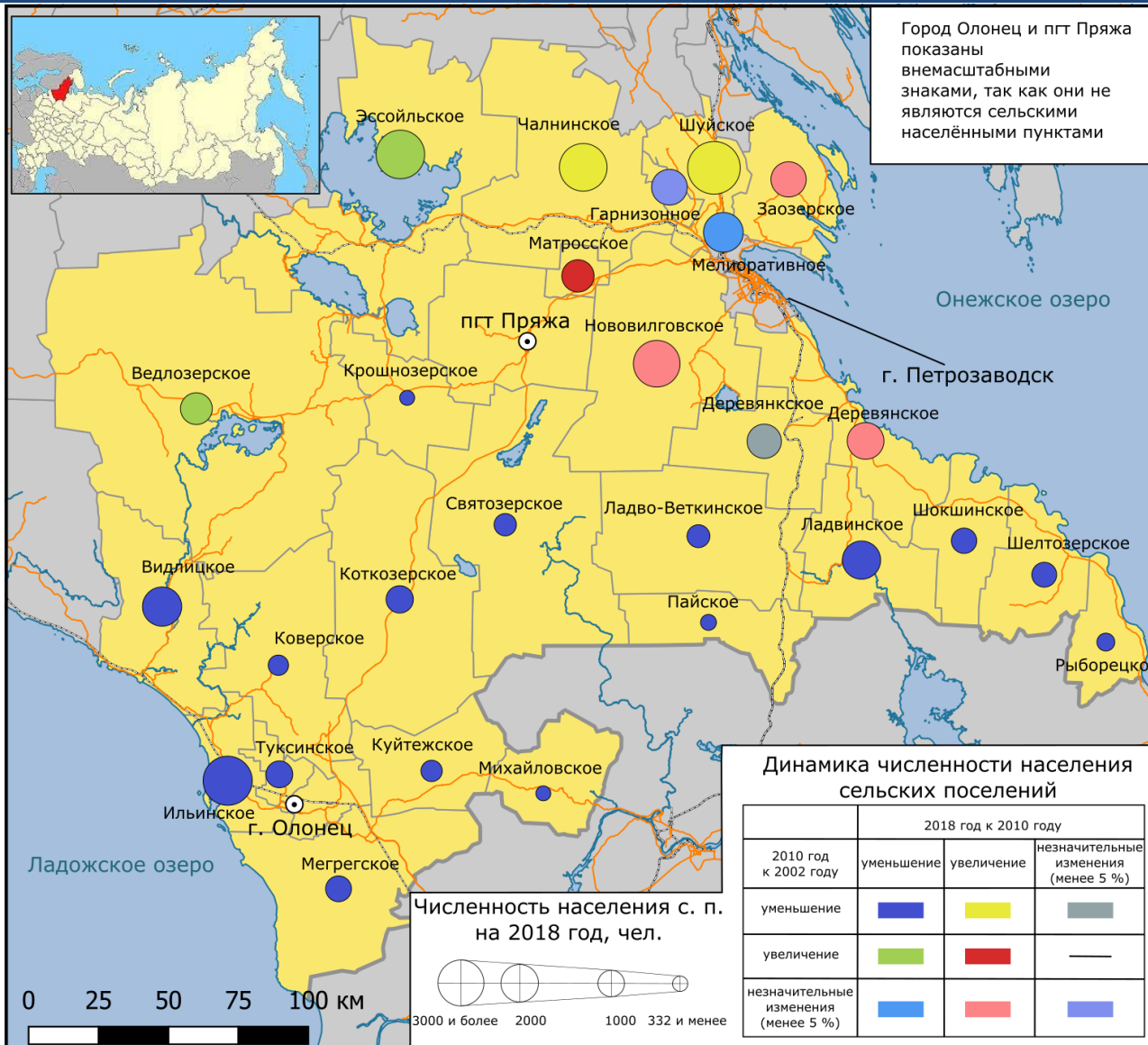
4. Case studies on rural development in different regions

- ✓ Rep. of Karelia (*done*)
- ✓ Metropolitan areas (*in the pipeline*)
- ✓ Pilot for the State Program: breadbaskets, depressive, polyethnic, North, South (*future*)

5. Napoleonic plans (together with Geogr. Faculty of Lomonosov Moscow State U)

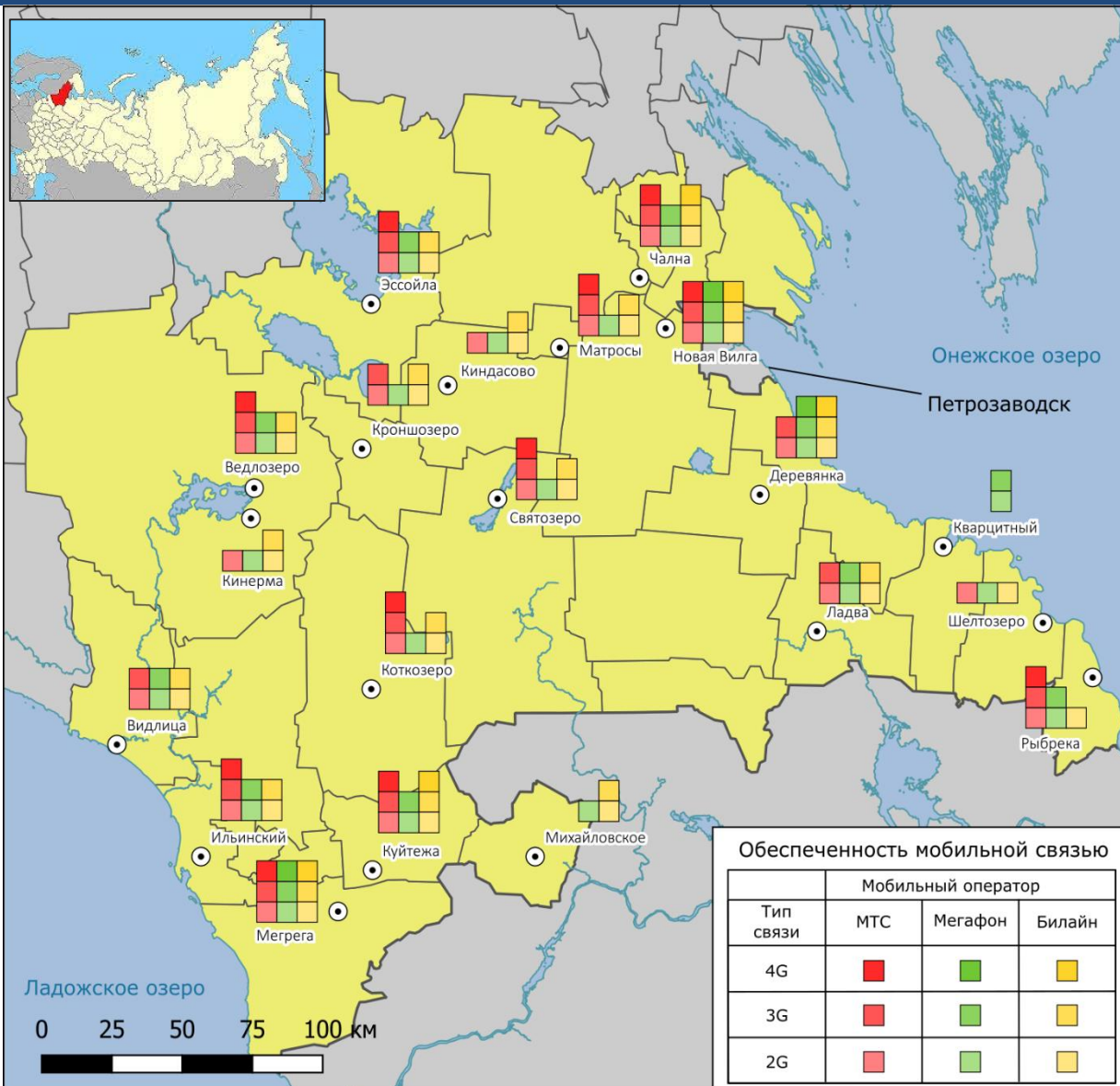
- ✓ “Rural Russia” GIS and geographical atlas

South of Rep. of Karelia: dynamics of population of rural settlements



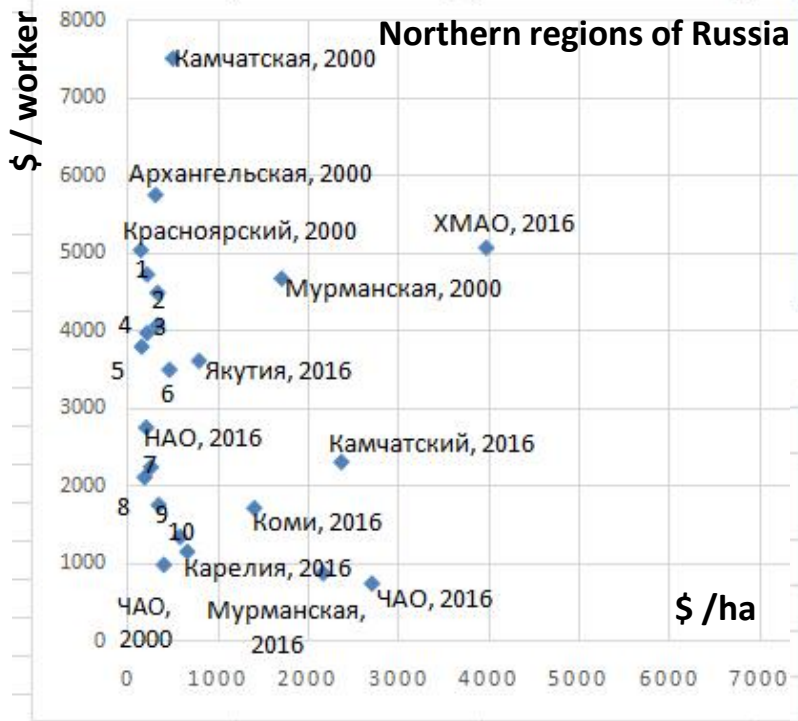
Report on 2019 winter expedition of the Scientific Student Society of the Dept. of Social and Economic Geography of Foreign Countries of the Faculty of Geography of the Lomonosov Moscow State University

South of Rep. of Karelia: mobile telephone networks coverage

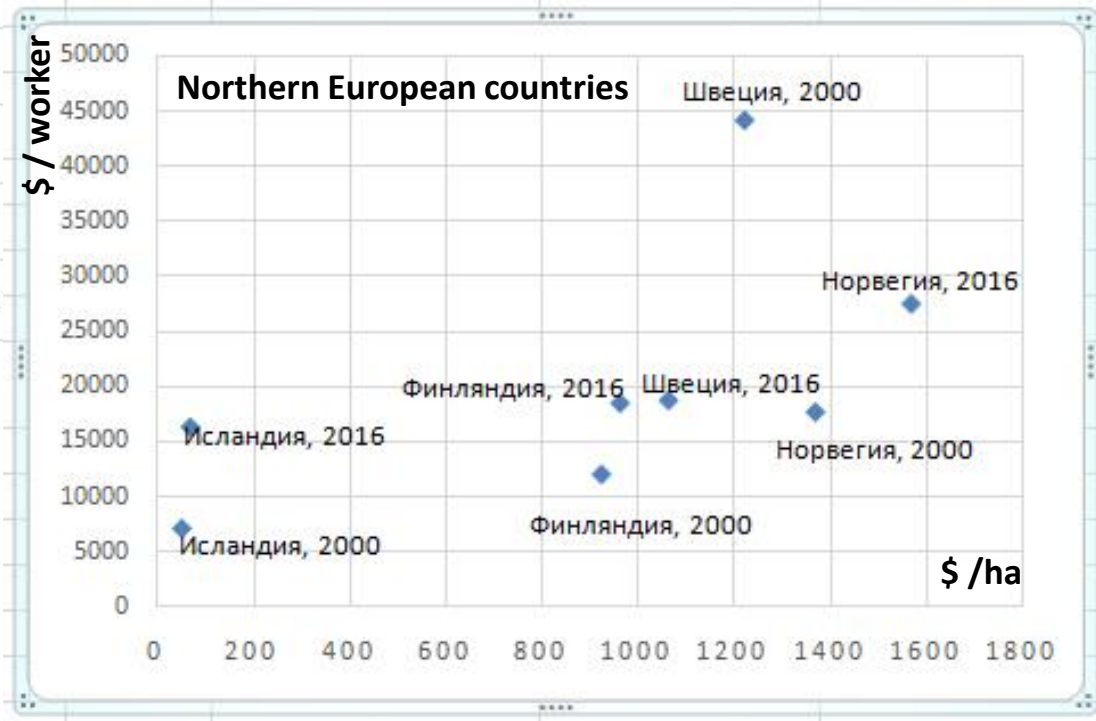


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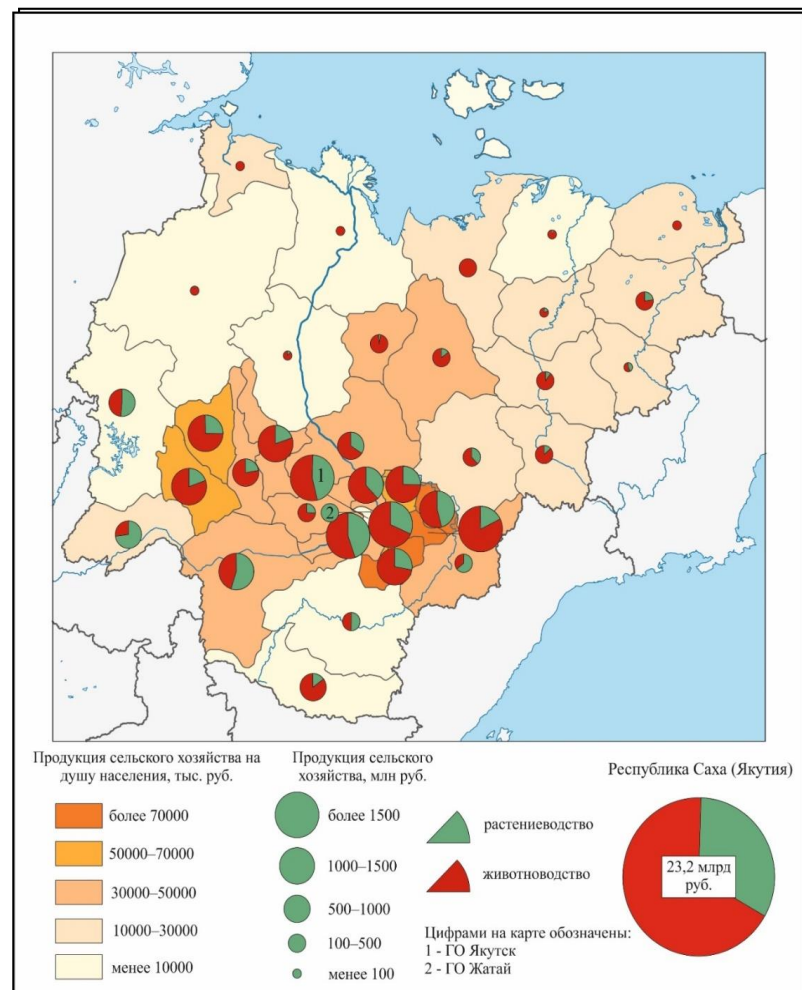
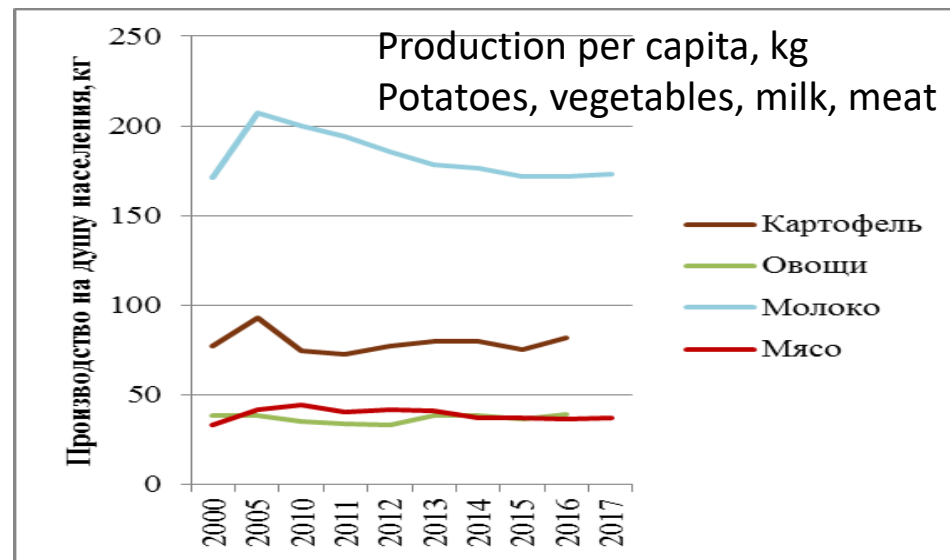
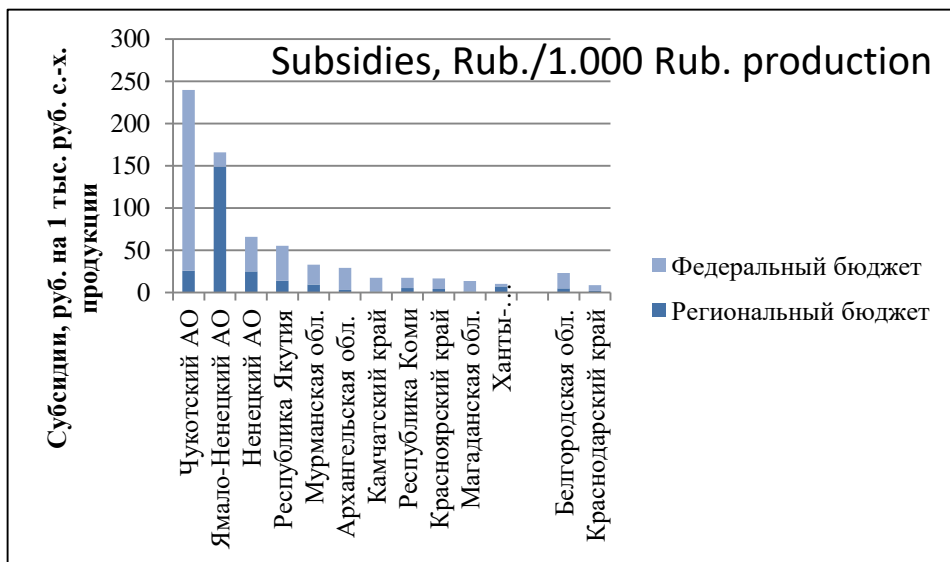
Comparison of farming on the margins: outermost northern regions of Russia and foreign countries



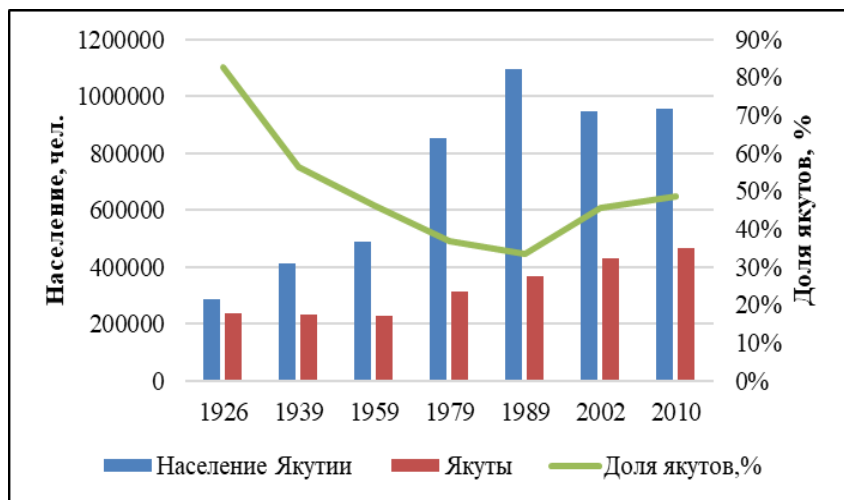
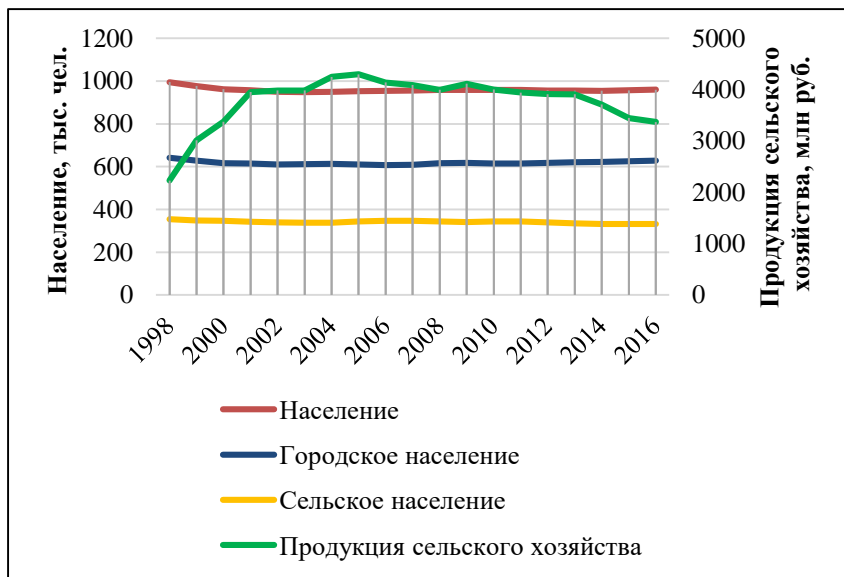
- 1 - ХМАО, 2000
- 2 - Красноярский, 2016
- 3 - Коми, 2000
- 4 - Якутия, 2000
- 5 - Магаданская, 2000
- 6 - Карелия, 2000
- 7 - НАО, 2000
- 8 - ЯНАО, 2000
- 9 - ЯНАО, 2016
- 10 - Архангельская, 2016



Agricultural development far beyond the breadbaskets: Rep. Sakha (Yakutia)



Yakutia: modernization of agriculture as the base for resilient rural development



Investments by JSC "Anabar Diamonds"



Yakutia: modernization of agriculture as the base for resilient rural development

Traditional forms

- Market-oriented development of reindeer and horse breeding, fishing, wild berries and mushrooms gathering
- Life improvement of nomadic families
- Providing snowmobiles, satellite phones, drones



Innovative forms

- Support of R&D (frost resistant varieties...)
- Professional training (including higher education on food security)
- Knowledge transfer networks development
- Adoption of best international and Russian practices (“Barents-farms”, container greenhouses...)



Domestic

- Office of Prime Minister and Federal Ministry of Agriculture
- Regional Ministries of Agriculture: Voronez, Ulianovsk, Rep. of Karelia, Rep. of Yakutia, ...
- Federal Ministry of Economic Development
- Rosstat – Federal Agency for Statistics
- Russian Academy of Sciences: profile institutes, regional branches (i.e. Institute of Steppe)
- Leading Russian universities: Lomonosov Moscow State, Skolkotech, Timiryazev Academy
- Regional agricultural universities
- Food and agriculture business companies (domestic and transnational operating in Russia)
- Fertilizers, agricultural machinery companies
- Product associations: Grain Union, Meat Association, National Union of Pig Breeders, etc.
- Farmers associations, ag coops

International

- FAO
- IAMO
- World Bank
- International Geographic Union commissions on land use and agricultural geography
- Leading universities: Kiel, KU Leuven, ESALQ,... **NOW – WUR!**
- ...

HSE InAgRes seeking WUR experience: main topics

- EU approach of regional strategy(ies) for rural development: what and where could be adopted in Russia
- Rural development in EU legislation, impact of EU rules, standards and tools on rural development in East Europe
- Promotion of local initiatives as a driver for rural development: European and international best practices
- Resilience of agricultural and rural development: driving forces (economic, social & cultural, internal, external, etc.)
- “Limits of growth” and justification for agglomeration in modern agriculture
- Geographical approach for modelling social, economic and environmental sustainability of rural areas
- Data bases for monitor rural development: statistics, remote sensing, other
- GIS for rural development
- Metropolitan solutions – Dutch and EU experience of agricultural development in peri-urban areas
- What could be the “ideal” rural settlement in terms of size, housing, infrastructure, environment?

- **Policy advise and expertise**
 - ✓ national plans and programs (Strategy of Spatial Development, State Program of Complex Development of Rural Areas, etc.);
 - ✓ rural/agricultural component of regional and municipal strategies of social and economic development
- **Methodological and technical support**
 - ✓ representation of the best practices of local initiatives for rural development;
 - ✓ training of development projects officers in the regions;
 - ✓ tools for monitor and model rural development;
 - ✓ “Rural Russia” GIS and geographical atlas
 - ✓ modeling social, economic and environmental sustainability and resilient development of rural areas
- **Joint research projects (case studies)**
 - ✓ metropolitan solutions for Russian peri-urban areas (Moscow, St. Petersburg, Kazan’, Ekaterinburg, Stavropol/Mineralnye Vody);
 - ✓ resilient rural development for backward regions: non black soil (Pskov obl.), mountain (North Caucasus), Arctic and Far East (Chukotka AR)

THANK YOU FOR ATTENTION!

<https://inagres.hse.ru/en/>



Rybreka rural settlement, Republic of Karelia (2019)