



# Proposal of joint research on socio-economic development in municipal districts of the Sakha Republic

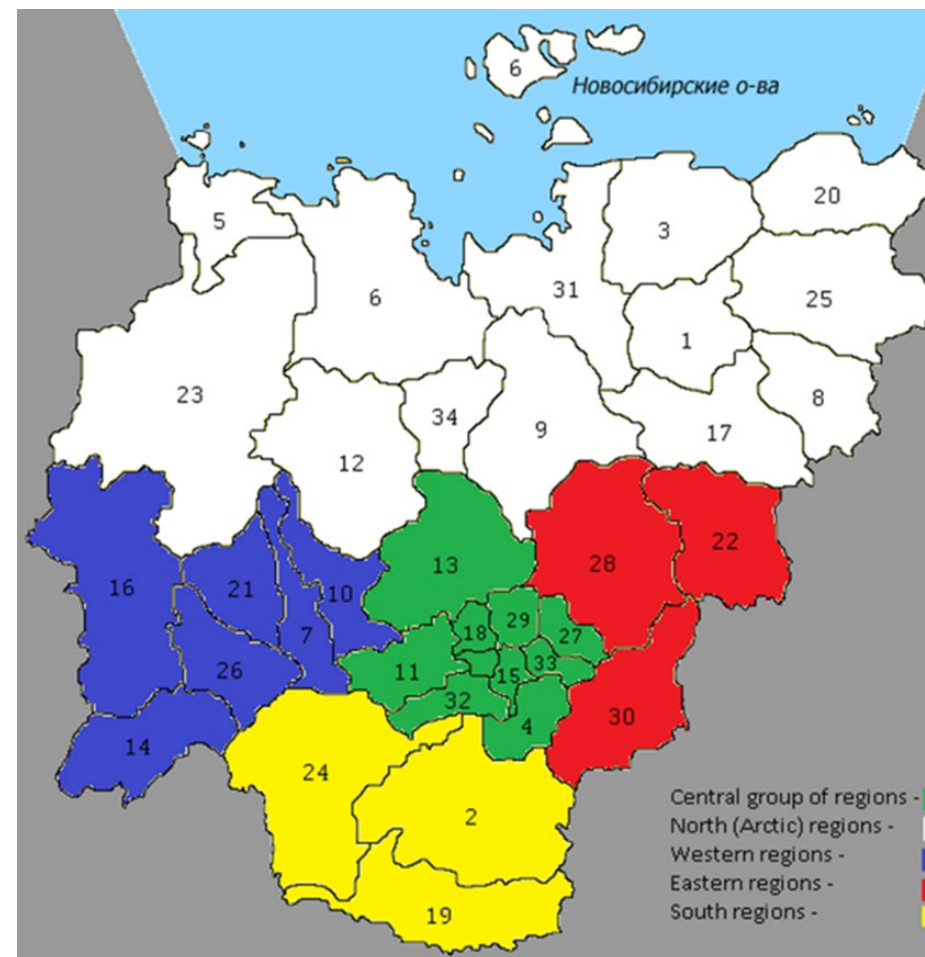
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# Outline of the project

- Period: October 2020 – March 2025
- Funds: Ministry of Education and Science, Japan (Arctic Challenge for Sustainability II, ArCS II)
- Districts surveyed: We plan to analyze data of 35 districts (municipal raions and Yakutsk) of the Republic and to make an intensive field research in one district each in Central, Northern, Eastern, Western and Southern parts.



## Members (Japanese side)

Family, Name	Affiliation	Appointment
Tabata Shinichiro	Hokkaido University, Slavic-Eurasian Research Center	Professor
Narita Daiju	The University of Tokyo, Graduate Program on Environmental Sciences	Associate Professor
Michigami Mayu	Niigata University, Institute of Humanities and Social Sciences	Associate Professor
Harada Daisuke	Japan Oil, Gas and Metals National Corporation, Research and Analysis Department	Project Director
Tokunaga Masahiro	Kansai University, Faculty of Commerce	Professor
Yokogawa Kazuho	Kanagawa University, Faculty of Economics	Associate Professor
Takeda Yuka	Kyushu University, Faculty of Arts and Science, Division for Humanities and Social Sciences	Associate Professor
Goto Masanori	Hokkaido University, Slavic-Eurasian Research Center	Specially Appointed Assistant Professor

## Purpose of the project

- We aim to examine influence of resource development on regional economies and societies in the Sakha Republic.
- Influence on regional economies and societies means influence on living environment of local people including natural environment surrounding local people. More concretely, we intend to study influence on economic activities of people (e.g. animal husbandry and fishery), people's welfare (e.g. income, employment, social security, housing conditions) and role of regional and local governments (e.g. relationship with firms and other economic entities, financial situation, policies)

# Methods

1. Analysis of statistical data
2. Interview of regional and local officials; local residents; business person
3. Questionnaire survey



## Analysis of statistical data

We intend to analyze data by 34 municipal districts (raion, ulus) and Yakutsk City, including:

1. Census data of 2010
2. Agricultural Census data of 2016
3. Local budget data: budget data of municipal district, town (gorodskoe poselenie) and village (sel'skoe poselenie)
4. Household income and expenditure survey
5. Employment statistics: data on employment by economic activities
6. Health condition and health damage of residents
7. Land melioration data (acreage, budget)



# Interview (1)

In our intensive fieldwork, we want to make interviews of regional and local officials; local residents; business person

- Republican Ministries
  - Ministry of economics: relations with policies of regional economic development initiated by Federal Government and Federal Ministry of development of the Far East and Arctic and impacts of these policies
  - Ministry of finance: methods of distribution of subsidies among municipal districts; relations with Federal Ministry of Finance
  - Ministry of industry and geology: measures to preserve natural environment and living environment of local people when developing mineral resources
  - Ministry of ecology, environmental management, forestry: measures to preserve natural environment when developing mineral resources; their implementation, problems and future plans; present situation of monitoring of climate change in the Republic, its problems and tasks
  - Ministry of development of the Arctic and affairs of people of the North: measures to preserve life of indigenous people, its implementation and problems
  - Ministry of labor and social development or State committee of employment: present situation of employment and its problems





# Interview (2)

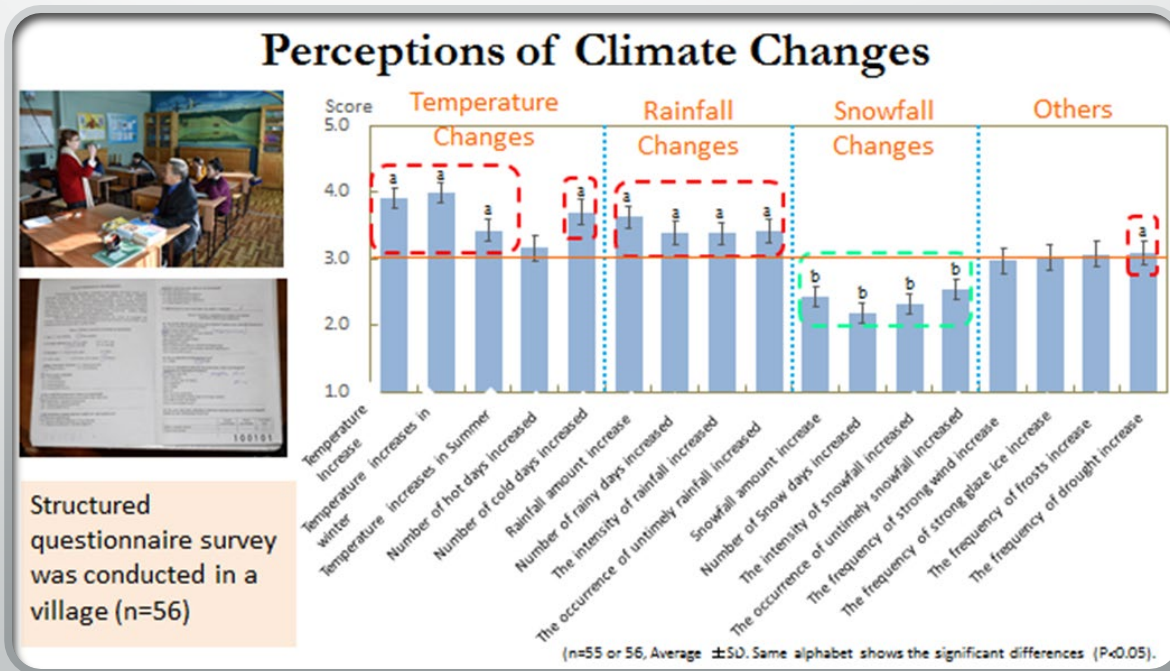
- Local government
  - policies and measures to solve local problems of residents and their results
  - financial resources and rights for maintaining services to the residents
  - activities of enterprise of resource development, their influence on natural environment and living environment of local people
- Companies of resource development
  - future prospects of resource development
  - measures to preserve natural environment and living environment of local people
  - responsibilities for maintaining employment, infrastructure and services to the residents at local level
- Local residents
  - problems of employment, environment
  - ownership of land and houses (acreage, prices)
  - social benefits and subsidies received
  - health condition of family members
  - utilization, realization and shipments of agricultural output

# Questionnaire survey

We want to make a questionnaire survey to grasp the local people's perception of climate change, the local environmental transformation and their living conditions.



A scene of survey with a questionnaire.  
Photo by Yuichiro Fujioka.  
August 2018. Gornyi Raion



Structured questionnaire survey was conducted in a village (n=56)

# Output

- Organization of international symposiums and seminars in Sapporo and other cities in Japan
- Proposal of joint panels at international conferences on Arctic issues (e.g. ASSW, UArctic, ICASS)
- Submission of joint academic papers to peer-reviewed journals

A teaching material published in 2019, based on the research results of Sakha (Yakutia) which contributes to deepen the people's perception of climate change

