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About me

ANDREY MEDVEDEV

04.09.1983

a.a.medvedeff@gmail.com

Institute of geography
Russian Academy of Sciences

Cartography Department

ISIRA meeting. 25.04.2015

Professional interests

Cartography

- Atlas cartography and thematical mapping
- Tactile cartography
- Interactive mapping

Geoinformatics

- Multimedia cartography
- Spatial Data Infrastructures
- Web-mapping, geoportals, web-services

Remote sensing

- Big Data processing
- UAV
- Multi- and hyperspectral images

Education

Moscow State University, *Student 2000 - 2005*
Faculty of geography,
Department of cartography and geoinformatics

Institute of geography RAS, *Ph.D. Student 2000 - 2005*
Cartography department

Tempus program, *2005*
Refresher course

Career chronology

Main

- 2006-2008 junior researcher in Institute of geography RAS
- 2008 defense of the Ph.D. thesis (“Methods of creating a multimedia regional atlas”)
- 2008-2013 researcher in Institute of geography RAS
- 2013-2014 senior researcher
- since 2014 head of cartography department in Institute of geography RAS

Additional

- since 2006 lecturer in Moscow State University (cartography, geoinformatics)

- 2009-2013 chairman of the Young Scientists Society in Institute of geography RAS

Teaching practice

❖ Theoretical course “GIS in geoecology”	❖ since 2010
❖ Mentor of students’ internship in department of cartography in IG RAS	❖ since 2009
❖ Theoretical and practical course “Topography”	❖ 2006-2009
❖ Theoretical and practical course “Satellite navigation”	❖ 2006-2009
❖ Practical field course “Satellite images interpretation“	❖ 2007, 2008, 2011
❖ Expeditions with the students	❖ 2007-2010, 2014-2015

Project Experience

Grants of the Russian Foundation for Basic Research

Basic projects (as participant): **6**

Transdisciplinary projects (as participant): **3**

Basic projects (as a leader): **1**

Young scientists projects (as a leader): **2**

Grants of the Russian Geographical Society

Basic projects (as participant): **4**

Basic projects (as a leader): **2**

Programs and projects of Russian Academy of Sciences

Projects (as participant): “Digital Earth”, “Informatization”, “The natural environment of Russia”

Projects of the Ministry of Education and Science of the Russian Federation

Basic projects (as participant): **3**

Arctic Experience

International Polar Year (IPY) *2007-2008*

Data Center in Institute of geography RAS:
- Data management
- Metadata collecting

Quality of life social-oriented monitoring of the Russian North ("PPS Arctic")

Project leader: T.K. Vlasova

2008 - 2010

Data management and mapping :
- Fieldworks (questionaries)
- GIS and maps
- Multimedia project

PPS Arctic

Arctic Experience

SPRING: Towards Integrated Habitat Management for Geese Migrating through Russia to Arctic

Group leader of the project: P.M. Glazov

2008-2012

- Data management
- GIS and maps

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For quality of life

Creation of a shared system of resources assessment and forecasting of environmental components' state in Northern areas

2008 - 2010

Ministry of Education and Science of the Russian Federation

- Programming
- System organization

Arctic Experience

Methodology of spatial data system organization for Arctic environment research and monitoring

Russian Foundation for Basic Research

2012-2014

Project leader: A.A. Medvedev

- Data processing
- GIS and maps
- Programming

Population's quality of life in the Russian North in contemporary nature-ecological and socio-economic conditions

2013 - 2015

Russian Foundation for Basic Research

Project leader: T.K. Vlasova

- Data management
- GIS and maps

Arctic Experience

Basic research for the development of the Russian Arctic zone

Program of Russian Academy of Sciences *2014-2015*

Project leader: A.A. Tishkov

- Big Data
- Remote sensing

Methodology development of the environmental components' remote sensing and monitoring by UAV's in the Russian North *2014-2015*

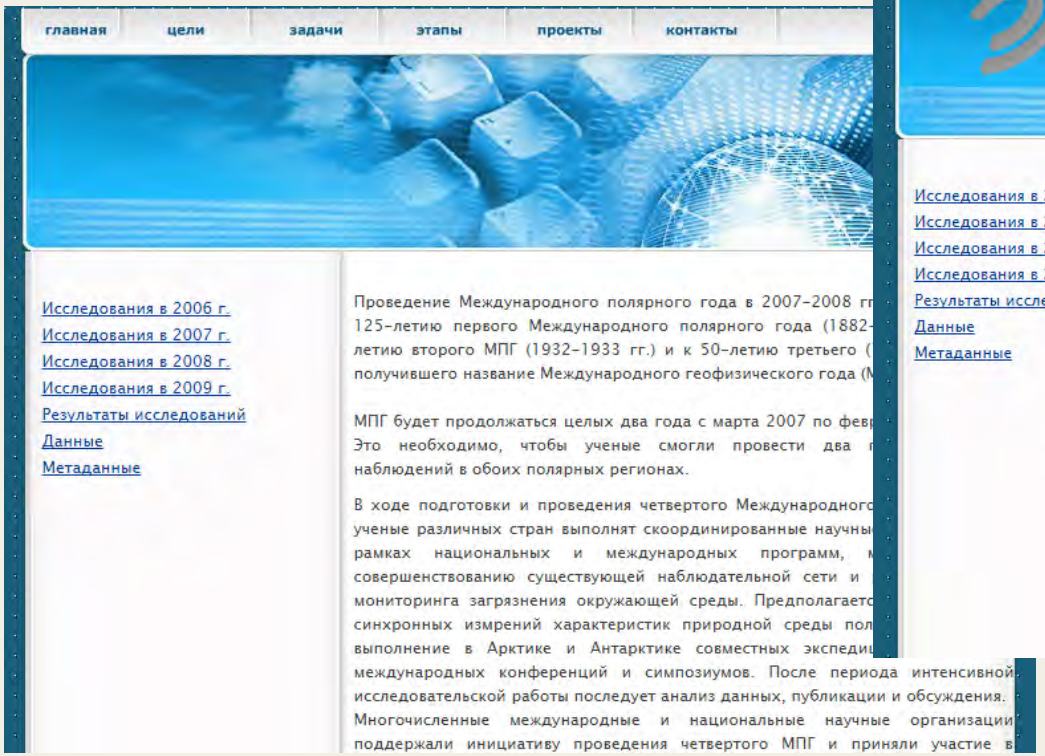
Voluntary initiative

Project group:
A.A. Medvedev, P.M. Glazov, G.M. Tertitski, A.V. Kudikov

- UAV control and piloting
- Remote sensing methods development
- Data processing

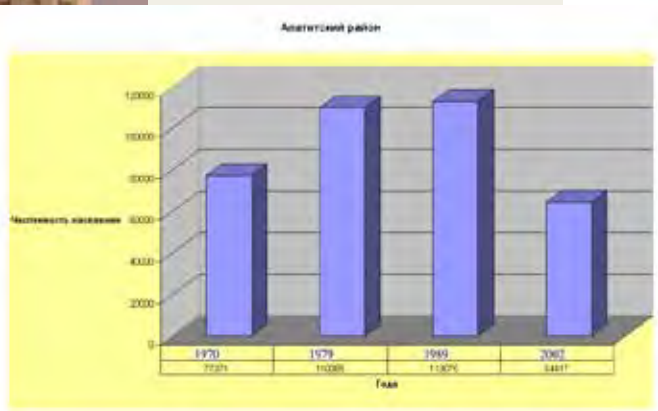
About Arctic Projects

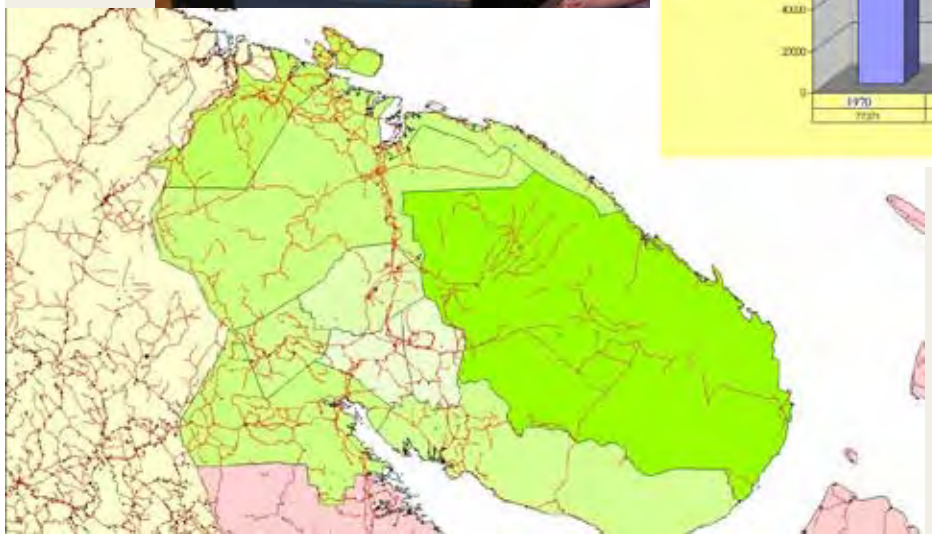
International Polar Year (IPY)

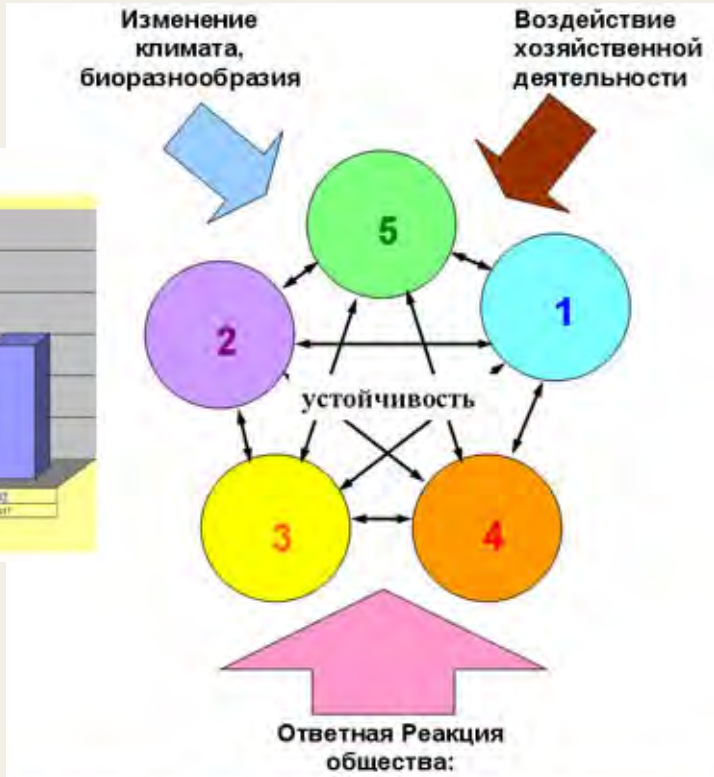


About Arctic Projects

Quality of life social-oriented monitoring of the Russian North



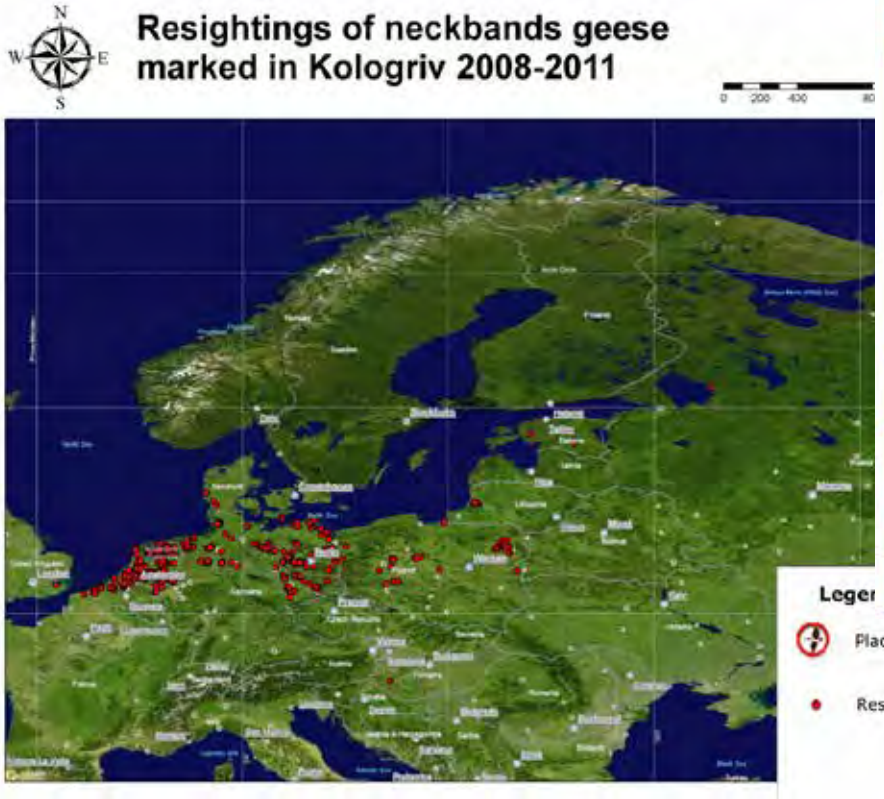




	Сферы жизнедеятельности	Проблемы	Задачи	Индикаторы
1	Духовно-культурная			
2	Управления и права			
3	Социальная			
4	Финансово-экономическая			
5	Экологическая			

About Arctic Projects

SPRING: Towards Integrated Habitat Management for Geese Migrating through Russia to the Arctic

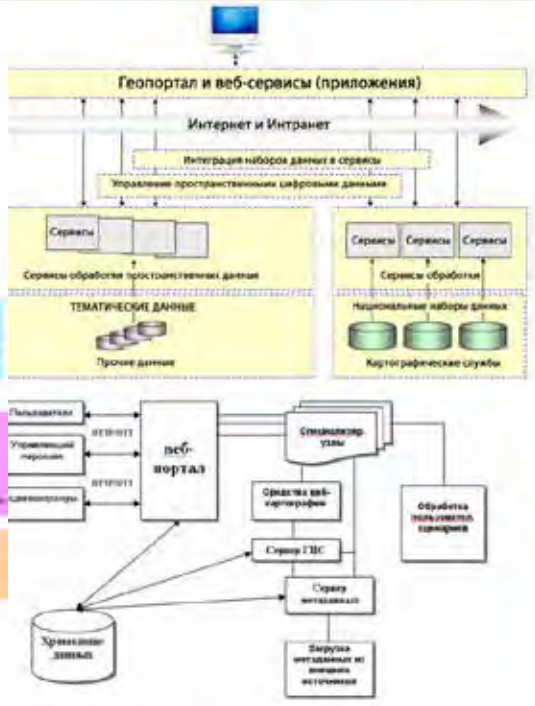


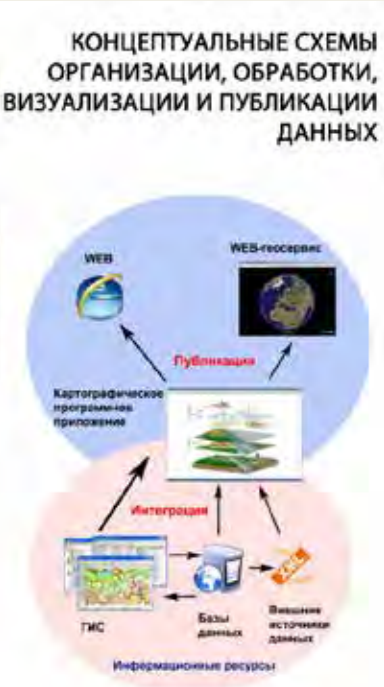
About Arctic Projects

Creation of a shared system of resources assessment and forecasting of environmental components' state in Northern areas

About Arctic Projects

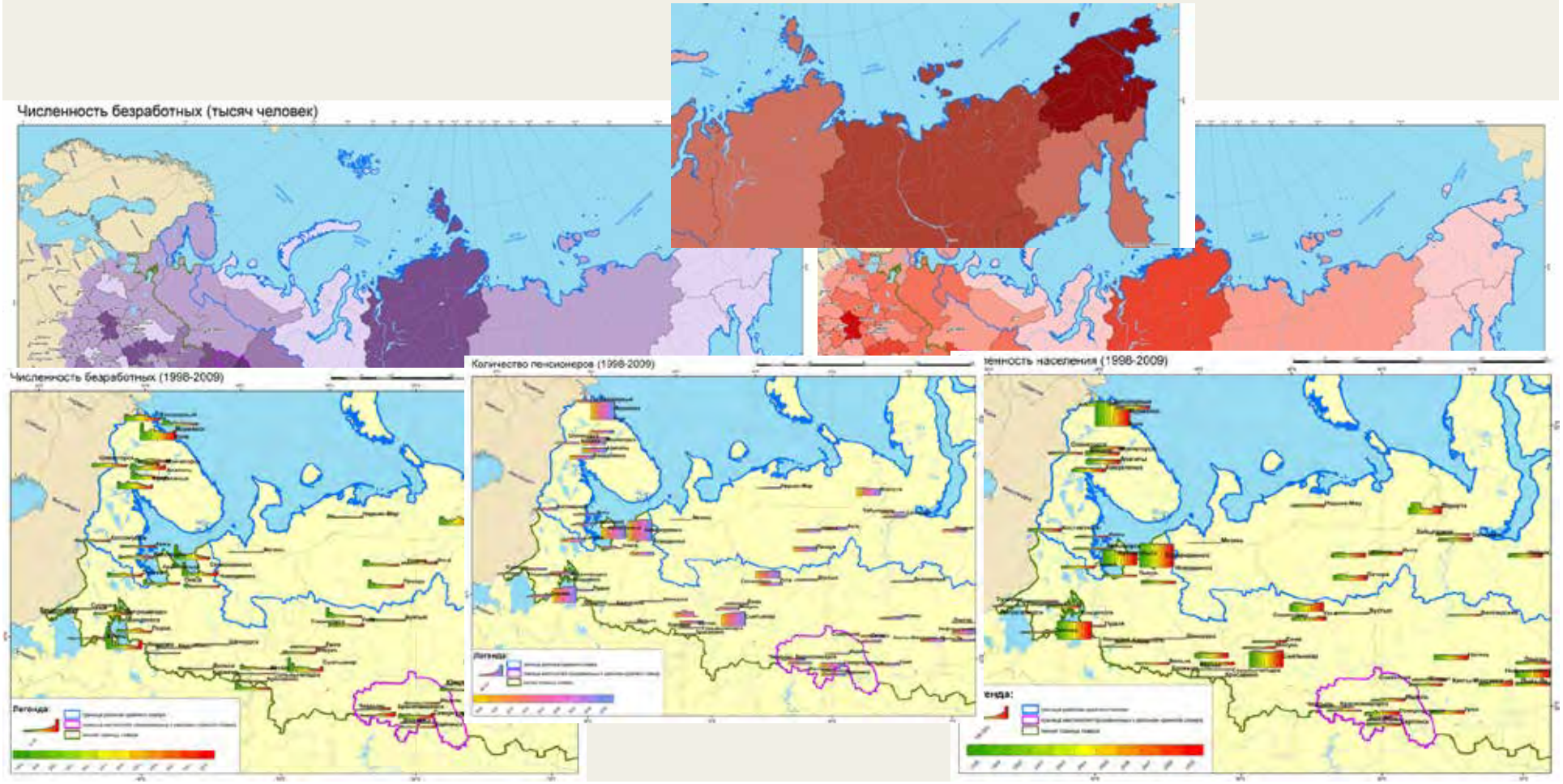
Methodology of spatial data system organization for Arctic environment research and monitoring





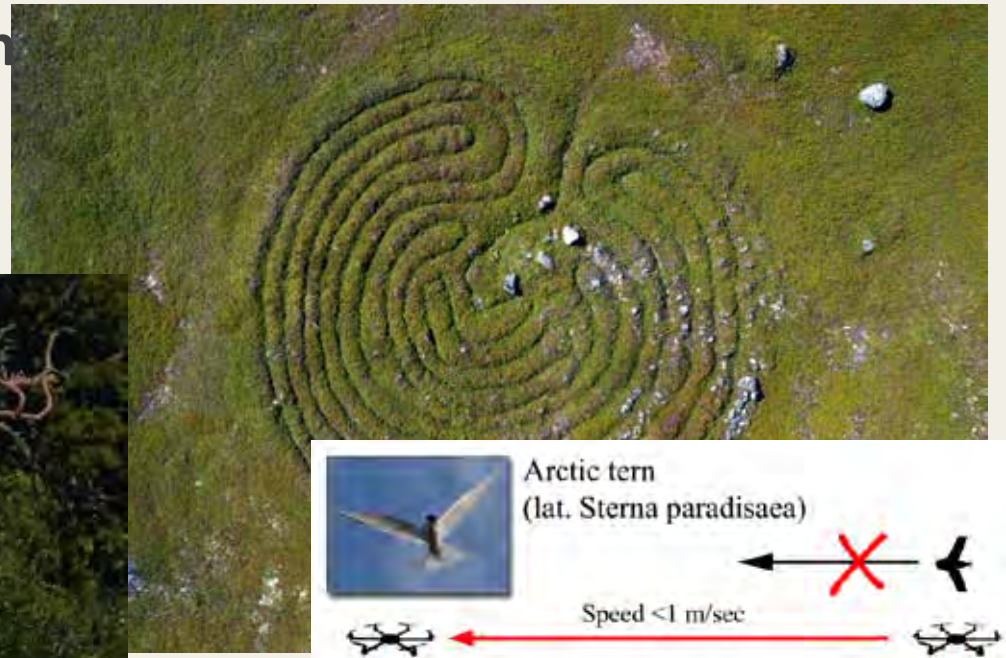
About Arctic Projects

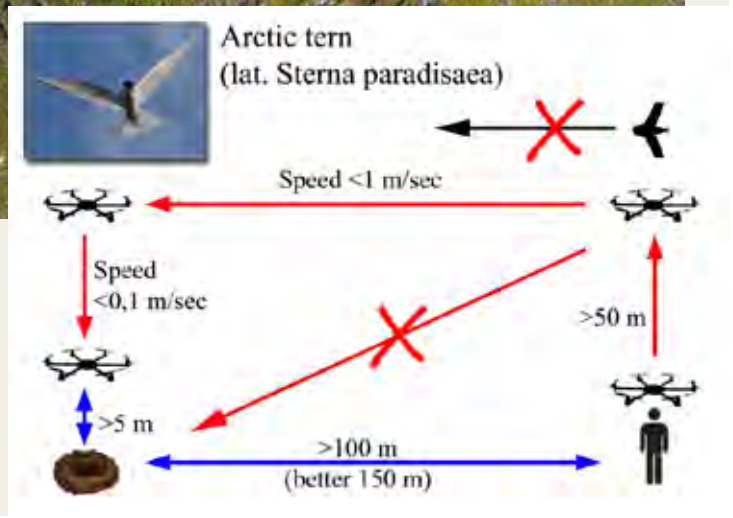
Population's quality of life in the Russian North in contemporary nature-ecological and socio-economic conditions



Nowadays

Methodology development of the environmental components remote sensing and monitoring by UAV's in the Russian North





Thank you!

Questions???