

## International research project:



# Impact of climate change and climate extremes on the agriculture and forestry in the Europe-Russia-Turkey Region

## Objectives

Provide state-of-the-art climate information to assess:

- (i) the impact of ongoing and projected global climate change and subsequent changes in climate extremes on the agriculture and forestry in selected regions of Europe, Russia and Turkey;
- (ii) the level of contribution, which these changes in agriculture and forestry can provide to climate change mitigation and adaptation due to existing feedbacks.

## Specific objectives

**1)** Analyse current and projected future climate changes (including global warming of 1.5°C, 2°C and 3°C and following the RCP2.6, RCP4.5, RCP8.5 scenarios) in specific relevant climatic indicators and extreme climate/weather events over Europe, Russia and Turkey.

**2)** Assess observed and projected impacts of global climate change and changes in climate extremes on the agriculture and forestry in the Europe-Russia-Turkey region with special focus on European Russia and Siberia.

**3)** Interact with stakeholders in order to assess how advancements in agriculture and forestry sectors due to changes in global climate and climate extremes would contribute to climate change mitigation and adaptation

Got questions? Just ask.

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## Who we are

- Nansen International Environmental and Remote Sensing Centre (NIERSC)
- Climate Service Center Germany (GERICS), Helmholtz-Zentrum Geesthacht (HZG)
- Iskenderun Technical University (ISTE)
- Vlaamse Instelling voor Technologisch Onderzoek NV (VITO)
- Universiteit Gent (UGent)
- Latvian Environment, Geology and Meteorology Centre (LEGMC)



Photo (from left to right): Abdulla Sakalli, Anne Gobin, Bert Van Schaeybroeck, Svetlana Anisjeviča, Natalia Gnatiuk, Lola Kotova, Leonid Bobylev, Hans Van De Vyver, Steven Caluwaerts, Sara Top, Lesley De Cruz, Piet Termonia, Rozemien De Troch

To meet the project objectives, AFTER is divided into 4 work packages (WP):

**WP1:** Climate scenarios for the Europe-Russia-Turkey Region

**WP2:** Observed and projected changes in climate and extreme events in biologically meaningful climate parameters

**WP3:** Projected and observed impacts of climate change and climate extremes on the agriculture and forestry in Europe-Russia-Turkey Region with special focus on European Russia and Siberia

**WP4:** Dissemination & stakeholder interaction

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