

Arctic Environment Laboratory

AEL - MSU

Internal Seminar
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Арктика – энергия будущего!

Дни Арктики 2014

Peter Koltermann, AEL-MSU
Faculty of Geography, MSU, Moscow

Next Challenges

- Main objective: Environmental changes in the Arctic and their impacts on the human well-being and infrastructure
- Task 1: We shall analyze all data synoptic, cryospheric, oceanographic, and geophysical data (observational and re-analyses output) for the post-1950 period available in the study region for calculating the time series of **socially important variables (SIV)** important for the built environment, housing and transportation structures and human wellbeing (e.g., heating and warm and cold season degree days, near surface wind speed and sea waves characteristics, icing conditions, duration of the sea ice free period, rates of coastal erosion, etc.).

Two important time lines

- How will the Russian Arctic look like 30 years from now: **2045**?
- How will the Russian Arctic look like 100 years from now: **2115**?
- What is the impact on people then, and what could be done to mitigate that impact?

Activities

- Deliverables:
 - Publications needed: RFBR wants Scopus publications. We are still short of some promised...
- Preparation of Annual Report:
 - Short summary (2-3 pages)
 - Extended summary to be used in a book
 - List of publications, reports, presentations and lectures