

# CURRICULUM VITAE

## 1. Full name and date

- Surname, name Zilitinkevich, Sergej
- Gender male
- Date of writing the CV 09.03.2016

## 2. Date and place of birth, nationality, current residence

- Date and place of birth 13.04.1936, Leningrad / St Petersburg
- Citizenship Russia and Swedish
- Current residence Finland, Helsinki

## 3. Education and degrees awarded

- Degree title
  - Graduated from:* Physical Faculty, Leningrad State University, USSR (1959)
  - PhD physics and mathematics:* Leningrad Hydrometeorological Institute (1962)
  - Dr Sci physics and mathematics:* PP Shirshov Institute of Oceanology Acad. Sci. USSR (1970)
- Title of docent/professor
  - Professor of geophysics:* Presidium of Acad. Sci. USSR (1972)
  - Professor of meteorology:* Uppsala University, Sweden (1997)

## 4. Linguistic skills

- Mother tongue: Russian
- Other languages: English

## 5. Current position

- Since 2008 Basic: Research Professor, Finnish Meteorological Institute, and  
Part time: Research Director, Dept. Physics, Division Atmos. Sci., Helsinki University
- Since 2004 Visiting Professor, Nansen Environmental and Remote Sensing Centre, Norway
- Since 2011 Chief Scientist, Dept. of Radio-physics, Nizhny Novgorod University, Russia
- Since 2013 Visiting Professor, Moscow University; Institute of Geography of Russian Acad. Sci.

## 6. Previous work experience

- 2004-2007 Finland: Marie Curie Chair of Boundary-Layer Physics, University of Helsinki
- 1998-2003 Sweden: Professor, Chair of Meteorology, Uppsala Univ. (since 2003 Prof. Emeritus)
- 1991-1997 Germany: Visiting Professor, Max Planck Inst. of Meteorology, Hamburg University, Alfred Wegener Inst. of Polar and Marine Research, GKSS Research Centre
- 1990-1990 Denmark: Visiting Professor, RISØ National Laboratory
- 1959-1990 Russia: Main Geophysical Observatory (Head of Lab), Institute of Lake Research (Senior Scientist), Institute of Oceanology (Founding Head of Leningrad Branch), Russian State Hydrometeorological University (Professor)

## 7. Research funding, leadership and supervision

- Major research funding (last decade, as coordinator):
  - EU Commission: Marie Curie Chair “Planetary boundary layers: theory, modelling and role in Earth System” (~500 kEUR), University of Helsinki, FI, 2004-2007

EU Commission: TEMPUS JEP 26005 “Development of competency-based two-level curricula in meteorology” (~500 kEUR), University of Helsinki, FI, 2007-2010

EU Commission: ERC-Ideas Advanced Grant 227915 “Atmospheric planetary boundary layers: physics, modelling and role in Earth system” (2.4 million EUR), Finnish Meteorological Institute, 2009-2013, <http://pbl-pmes.fmi.fi/>

EU Commission: TEMPUS 159352-FI-JPHES “Development of qualification framework in meteorology” (~1 million EUR), University of Helsinki, FI, 2010-2013

EU Commission: ERC PoC Grant 632295 “Integrated monitoring and forecasting system for local weather and microclimate” (150 kEUR), Finnish Meteorological Institute, 2014-2015

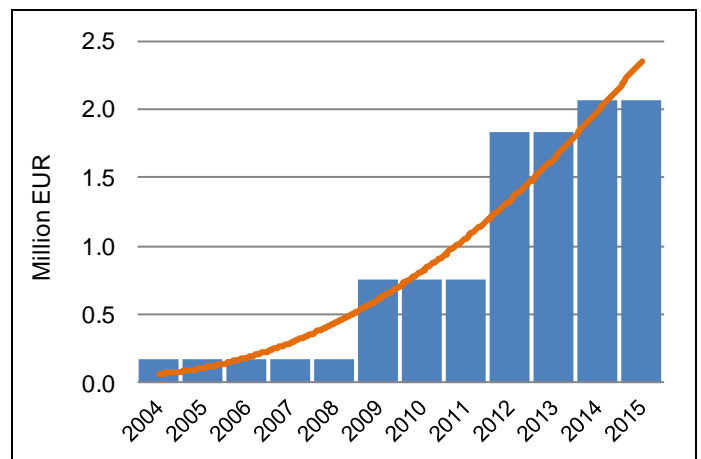
EU Commission: Erasmus+ Grant 561975-EPP-1-2015-1-FI-EPPKA2-CBHE-JP Adaptive learning environment for competence in economic and societal impacts of local weather, air quality and climate (ECOIMPACT ~1 million EUR, 2015-2017)

Academy of Finland: Grant 280700 “Atmosphere-hydrosphere interaction in Baltic Basin and Arctic Seas” (373 kEUR), Finnish Meteorol. Institute, 2014-2017

Russian Government: Mega-Grant 11.G34.31.0048 “Air-sea/land interaction: physics and observation of planetary boundary layers and quality of environment” (~4.7 million EUR), University of Nizhny Novgorod, 2011-2015, <http://planetlab.unn.ru/>

Russian Science Foundation: Grant 15-17-20009 “Physical Nature and Modelling of Atmospheric Boundary Layer over Heterogeneous Terrain” (30 million RUB, 2015-2017)

- Participated in organising more than 30 international conferences during the last decade
- Supervised 25 PhD / Dr Sci dissertations in atmospheric sciences, oceanography and space research



Funding ID.

## 8. Merits in teaching and pedagogical competence

- Developed and delivered 7 courses in atmospheric sciences, oceanography, geophysics and science management at universities of Russia, Germany, Sweden and Finland
- Delivered a dozen short courses on turbulence and boundary layers at international summer schools

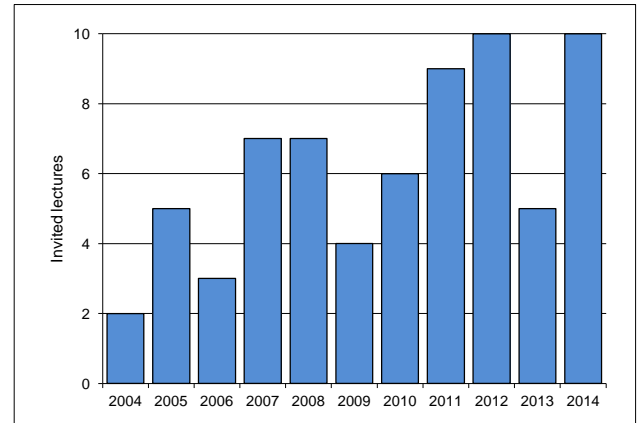
## 9. Awards, prizes and honours

- Vilhelm Bjerknes Medal-2000 of European Geophysical Society
- Alfred Wegener Medal-2015 of European Geoscience Union
- Member of Academia Europaea (Earth and Cosmic Sciences, since 2002)
- Member of Finnish Academy of Science and Letters (Geosciences, since 2009)
- Member of Societas Scientiarum Fennica (Mathematical & Physical Sciences, since 2012)
- Member of International Eurasian Academy of Sciences (since 2012)
- Fellow of Royal Meteorological Society (UK, since 2004)
- Honorary member of European Geoscience Union
- Professor Emeritus, Uppsala University (Sweden, since 2003)

- Doctor *honoris causa*, University of Pretoria (South Africa, since 2015)
- Doctor *honoris causa*, University of Nizhny Novgorod (Russia, since 2015)

## 10. Other academic merits

- Chief Scientist of EU-Russia-China programme “Pan-Eurasian Experiment” (PEEX, launched in 2012, <https://www.atm.helsinki.fi/peex/>)
- Peer Review Referee of European Research Council (since 2009)
- Member of Russian National Council on Theoretical and Applied Mechanics (since 2011)
- Convener of Session ASI8 “Atmospheric Boundary Layers”, Annual Meetings of European Meteorological Society (since 2005)
- Official Nominator for “Japan Prize” (since 2012)
- Member of the Vilhelm Bjerknes Medal Committee, European Geosciences Union (2002-2009)
- Member of board, NERC Centre for Polar Observation and Modelling (UK, 2002-2007)
- Member of board, C-G Rossby International Meteorological Institute (Sweden, 1998-2003)
- Member of editorial boards of scientific journals: international – *Geography*, *Environment, Sustainability* (since 2008), *International J. of Geophysics* (since 2008), *Advances in Applied Physics* (since 2012); Russian – *Ice and Snow* (since 2014), *Proceedings of Moscow State University* (Geography Series, since 2014), *Marine Hydrophysical Journal* (since 2014); Ukrainian - *Ukrainian Hydrometeorological Journal* (since 2014)
- Member of International Council of University of Nizhny Novgorod, Russia (since 2015)
- International expert of Russian Science Foundation (since 2015)
- Delivered more than 70 invited lectures in the last 10 years



Invited lectures in the last decade.

## 11. Scientific and societal impact of research

- Published 9 scientific books, 200 peer-reviewed papers and 3 literary works
- Number of citations 4500, h-index 36. Zilitinkevich is first/single author in major 85% of papers comprising his h-index: *Google Scholar* <http://scholar.google.com/citations?user=y1CJd4MAAAAJ>