

# Eva Plavcová - CV

## Contact information:

Office address: Institute of Atmospheric Physics  
Boční II 1401  
141 31 Prague 4  
Czech Republic  
Phone: +420 272 016 069  
E-mail: plavcova@ufa.cas.cz  
<http://www.ufa.cas.cz/html/climaero/plavcova.html>

## Position:

Since 2008: graduate student at Institute of Atmospheric Physics, Academy of Sciences of the Czech Republic, Prague (<http://www.ufa.cas.cz/>)

## Education:

Since September 2008:

### **Ph.D. study of Meteorology and Climatology**

Institute of Atmospheric Physics, Academy of Sciences of the Czech Republic &  
Faculty of Mathematics and Physics, Charles University, Prague  
(<http://www.mff.cuni.cz/>)

Advisor: Dr. Jan Kyselý

Dissertation topic: *"Links between atmospheric circulation and surface air temperature distributions in climate models"*

PhD. expected in Summer 2012

2010: RNDr. rerum naturalium doctor (= extension of MSc)

January – June 2007:

ERASMUS study at the Geophysical Institute, University of Bergen, Norway

2006 – 2008:

### **Master degree in Meteorology and Climatology**

Faculty of Mathematics and Physics, Charles University in Prague

Thesis: *"Effects of sudden air temperature and pressure changes on mortality"*

Thesis advisor: Dr. Jan Kyselý

2003 – 2006:

### **Bachelor degree in General Physics**

Faculty of Mathematics and Physics, Charles University in Prague

Thesis: *"Statistical characteristics of the regional climate models outputs"*

Thesis advisor: Dr. Jiří Mikšovský

### Research interests:

Evaluation of climate models, climate variability and change, human biometeorology

### Awards:

EMS Young Scientist Travel Award 2011: 11th EMS Annual Meeting & 10th European Conference on Applications of Meteorology, Berlin

### Professional services:

Referee for International Journal of Biometeorology, Atmospheric Research, International Journal of Climatology, Theoretical and Applied Climatology  
Member of International Society of Biometeorology

### Participation in grant projects:

Reproduction of links between atmospheric circulation and surface air temperature and precipitation distributions in climate models (Czech Science Foundation, P209/10/2265, since 2010)

Temporal and spatial patterns of links between weather and morbidity due to cardiovascular diseases (Czech Science Foundation, P209/11/1985, starting in 2011)

Klimatext, Technical University of Liberec (CZ.1.07/2.3.00/20.0086, starting in Autumn 2011)

Effects of short-term and long-term variability of weather on mortality (Czech Science Foundation, 205/07/1254, 2008-2010)

TimePix@Space, an experiment that studied cosmic rays during a stratospheric balloon flight (ESA BEXUS 7, 2008)

### Lecturing:

Seminar within a course on Actual Topics of Meteorology, Climatology and Air Protection, Faculty of Science, Charles University, Prague

### Personal:

Date of birth:	10 <sup>th</sup> November 1983
Place of birth:	Chrudim, Czech Republic
Citizenship:	Czech Republic
Languages:	Czech, English, German
Programming skills:	R, Matlab
Personal interests:	sports, music, travelling

## Publication list

Peer-reviewed papers in journals and conference proceedings included in the ISI Web of Knowledge database:

- 1) **Plavcová E.**, Kyselý J., 2012: Atmospheric circulation in regional climate models over Central Europe: links to surface air temperature and the influence of driving data. *Climate Dynamics*, doi 10.1007/s00382-011-1278-8
- 2) **Plavcová E.**, Kyselý J., 2011: Evaluation of daily temperatures in Central Europe and their links to large-scale circulation in an ensemble of regional climate models. *Tellus* 63A:763–781
- 3) Kyselý J., **Plavcová E.**, 2011: Biases in the diurnal temperature range in Central Europe in an ensemble of regional climate models and their possible causes. *Climate Dynamics*, doi 10.1007/s00382-011-1200-4
- 4) Kyselý J., **Plavcová E.**, Davidkovová H., Kynčl J., 2011: Comparison of the effects of hot and cold spells on cardiovascular mortality in the Czech Republic in individual population groups. *Climate Research*, 49:113–129
- 5) Kyselý J., Gaál L., Beranová R., **Plavcová E.**, 2011: Climate change scenarios of precipitation extremes in Central Europe from ENSEMBLES regional climate models. *Theoretical and Applied Climatology*, 104:529–542
- 6) Kyselý J., **Plavcová E.**, 2011: Declining impacts of hot spells on mortality in the Czech Republic, 1986–2006: adaptation to climate change? *Climatic Change*, doi 10.1007/s10584-011-0358-4
- 7) **Plavcová E.**, Kyselý J., 2010: Relationships between sudden weather changes in summer and mortality in the Czech Republic, 1986–2005. *International Journal of Biometeorology*, 54:539-51
- 8) Kyselý J., **Plavcová E.**, 2010: A critical remark on the applicability of E-OBS European gridded temperature data set for validating control climate simulations. *Journal of Geophysical Research*, 115, D23118, doi:10.1029/2010JD014123
- 9) **Plavcová E.**, Kyselý J., 2009: Effects of Sudden Air Temperature and Pressure Changes on Mortality in the Czech Republic. *Epidemiologie, mikrobiologie, imunologie*, 58:73-83
- 10) **Plavcová E.**, Kyselý J., 2009: Comparison of the impacts of temperature extremes on mortality in Prague and other regions of the Czech Republic. *Sustainable Development and Bioclimate: Reviewed Conference Proceedings*, 213-214