



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Miroslav Havránek**
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E-mail(s) Miroslav.Havranek@czp.cuni.cz
Nationality Czech
Date of birth 06/08/1978
Gender Male

Desired employment / Occupational field **Research and research coordination/ research and development**

Work experience

Dates 2001 →
Occupation or position held Researcher
Main activities and responsibilities Research in field of environmental indicators, environmental economy and climate change
Name and address of employer Charles University in Prague, Environment Center
Type of business or sector Research and development/ Education and training

Dates 2012 →
Occupation or position held Senior expert
Main activities and responsibilities Forward looking perspectives, Integrated assessment of the environment
Name and address of employer CENIA
Type of business or sector State administration

Dates 1998 - 2001
Occupation or position held Junior expert
Main activities and responsibilities Greenhouse gas inventory management, Waste sector
Name and address of employer Czech Hydrometeorological Institute
Type of business or sector State administration

Education and training

Dates 1996 - 2001
Title of qualification awarded Master of Science
Principal subjects / occupational skills covered Environmental sciences, Environmental Technologies / advanced analytical skills in environmental sciences field
Name and type of organisation providing education and training Charles University In Prague
Level in national or international classification ISCED 5B

Dates 2005

Principal subjects / occupational skills covered Multicriteria and multiscale environmental analysis, Ecological economy methods, Environmental Economy methods, Material and energy flows, Greenhouse gas emissions and projections

Name and type of organisation providing education and training LIPHE4, 2nd Summer School on Developing Toolkits on Integrated and Participatory Analyses of Sustainability, CEMACAM Torre Guil, Sangonera la Verde, Murcia, Spain

Personal skills and competences

Mother tongue(s) **Czech**

Other language(s)

Self-assessment
European level (*)

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
A2	Basic User	A2	Basic User	A1	Basic User	A2	Basic User	A2	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences - problem solving, good adaptability, out-of-box thinking, good communication skills

Organisational skills and competences - organization of research, organization of conferences, workshops, organization of education courses

Computer skills and competences - perfect knowledge of MS Office application/open office applications
- specialized software knowledge – LandGem, UNFCC reporter, Ecosense, Considero, IPCC2006
- limited software knowledge – CorelDraw, ArcGIS, Acrobat Suite, Statistical software

Additional information

2011 →
member of the European topic center on climate change vulnerabilities and adaptations

2009 →
National reference center (NRC) for EEA – FLIS (forward looking indicators and systems)

2010 →
Member of international society of industrial ecology (ISIE)

2006 →
Person in charge of the National Inventory System of Greenhouse Gases (NIS) for the waste sector

2005 →
member of the Advisory Board of the Charles University Grant Agency – Geosciences

2012 →
Certified review expert under UNFCCC on GHG inventories

2009 →
Member of national standards committee on ecological footprint standards (under Global Footprint network)

2006 →2008
member of the WG of Government Council for Sustainable Development on sustainable production

and consumption

2005 →

member of the WG of Government Council for Sustainable Development on Local Agenda 21 (since 2009 host member)

Publications:

Weinzettel, Jan, Miroslav Havránek, and Milan ŠČasnÝ. "A consumption-based indicator of the external costs of electricity." *Ecological Indicators* In Press, Corrected Proof (n.d.). DOI: 16/j.ecolind.2011.04.035

KENNEDY, Christopher, STEINBERGER, Julia, GASSON, Barrie, HANSEN, Yvonne, HILLMAN, Timothy, HAVRÁNEK, Miroslav, PATAKI, Diane, PHDUNGSILP, Aumnad, RAMASWAMI, Anu, VILLABA MENDEZ, Gara. Greenhouse Gas Emissions from Global Cities. *Environmental Science and Technology*. 2009, vol. 43, is. 19, pp. 7297-7302, DOI: 10.1021/es900213p

KENNEDY, Christopher, STEINBERGER, Julia, GASSON, Barrie, HANSEN, Yvonne, HILLMAN, Timothy, HAVRÁNEK, Miroslav, PATAKI, Diane, PHDUNGSILP, Aumnad, RAMASWAMI, Anu, VILLABA MENDEZ, Gara. Methodology for inventorying greenhouse gas emissions from global cities. *Energy Policy*. 2009 (in press) doi:10.1016/j.enpol.2009.08.050

Kovanda, Jan, Havránek, Miroslav, Hák, Tomáš. Situační zpráva ke strategii udržitelného rozvoje České republiky, 1. vyd., Praha: MŽP, 2009.s. 47-50, ISBN 978-80-7212-488-6.

HAVRÁNEK, Miroslav (ed.) *ConAccount 2008: urban metabolism - measuring the ecological city*, 1st edition. Prague: Charles University Environment Center, 2009. ISBN 978-80-87076-12-5.

FIKAR, Pavel, HAVRÁNEK, Miroslav. Energy metabolism of the Prague city. In HAVRÁNEK, Miroslav *ConAccount 2008: urban metabolism - measuring the ecological city*, 1st edition. Prague: Charles University Environment Center, 2009.s. 74-94, ISBN 978-80-87076-12-5.

HAVRÁNEK, Miroslav, ŠČASNÝ, Milan. Impact indicators of airborne pollution and climate change: Application of the ExternE method for chemical economic sectors in the EU. In HAVRÁNEK, Miroslav *ConAccount 2008: urban metabolism - measuring the ecological city*, 1st edition. Prague: Charles University Environment Center, 2009.s. 107-119, ISBN 978-80-87076-12-5.

HAVRÁNEK, Miroslav, VAČKÁŘ, David. Ecological footprint of the Czech Republic: Robustness of Energy Conversion Approaches. Paper at the International Ecological Footprint Conference, Cardiff, 8-10.5. 2007.

MOLDAN, Bedřich, HÁK, Tomáš, KOVANDA, Jan, HAVRÁNEK, Miroslav, KUŠKOVÁ, Petra. *Sustainability Indicators : A Scientific Assessment*. 1st edition. Edited by Tomáš Hák, Bedřich Moldan, Arthur Lyon Dahl. Washington : Island Press, 2007. SCOPE Series, sv. 67. ISBN 9781597261302. Geobiosphere Load: Proposal for an Index, s. 223-235.

KOVANDA, Jan, HAVRÁNEK, Miroslav, HÁK, Tomáš. Calculation of the "net additions to stock" indicator for the Czech Republic using a direct method. *Journal of Industrial Ecology*. 2007, vol. 11, no. 4, s. 140-154. ISSN 1088-1980. IF 2007: 1,962

MELICHAR, Jan, HAVRÁNEK, Miroslav. Oceňování externích nákladů z výroby elektřiny v ČR. *Ekologie a právo*. 2006, roč. 5/2006, č. 13.11.2006, s. 5-8. ISSN 1211-1139

MOLDAN, Bedřich, HÁK, Tomáš, KOVANDA, Jan, HAVRÁNEK, Miroslav, KUŠKOVÁ, Petra. Uspějí agregované indikátory při měření environmentální udržitelnosti? Statistika, 2005, vol. 2005, no. 2, s. 125-135. ISSN 0322-78

MOLDAN, Bedřich, HÁK, Tomáš, KOVANDA, Jan, HAVRÁNEK, Miroslav, KUŠKOVÁ, Petra. (2005): Composite indicators of environmental sustainability. In Statistics, Knowledge and Policy: Key Indicators to Inform Decision Making. Proceedings from the OECD World Forum on Key Indicators, 10-13 November 2004 Palermo. 644 pp