

Curriculum Vitae

MARTINA DÜRAUER, MSc

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Personal

Date of birth 19. March 1985
Place of birth Neunkirchen
Nationality Austria

Education

2009 **Graduated** Master of Science in Engineering

2007 - 2009 **University of Applied Sciences**
Wiener Neustadt, Austria
Computer Science, Geoinformatics

2007 **Graduated** Bachelor of Science in Engineering

2005 **University of applied sciences, Finland**
Tampere, Finland
BSC-program „Geoinformatic“ (3rd semester)

2004 - 2007 **University of Applied Sciences**
Wiener Neustadt, Austria
Computer Science, Geoinformatics

Work Experience

2013 - cur **Research Scholar**
International Institute for Applied Systems Analysis (IIASA)
Laxenburg, Austria
Ecosystems Services & Management

2010 - 2013 **Department head deputy and member of a research staff**
FOTEC – Forschungs- und Technologietransfer GmbH
Wiener Neustadt, Austria
Innovative Software Systems

2009 - 2010 **Freelance researcher**
FOTEC, Forschungs- und Technologietransfer GmbH.
Wiener Neustadt, Austria
Innovative Software Systems

2009 **GIS analysis and metadata visualization**
Dipl. Ing. Forsthuber GesmbH, Ternitz, Austria

July 2008 **Internship**
BAYSF AöR -Bavarian State Forestry, Munich, Germany

2008 **Web and application programming**
ÖBf AG- Austrian Federal Forests,
Purkersdorf, Austria

2007 **Bachelor internship**
ÖBf AG- Austrian Federal Forests
Purkersdorf, Austria

Languages

German native language
English fluent in spoken and written

Publications

2017 Kraxner F, Schepaschenko D, Fuss S, Lunnan A, Kindermann G, Aoki K, Dürauer M, Shvidenko A, et al. (2017)
Mapping certified forests for sustainable management - A global tool for information improvement through participatory and collaborative mapping.
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Moorthy I, See L, Fritz S, McCallum I, Perger C, Dürauer M, Dresel C, Sturn T, et al. (2017)
Crowd-driven tools for the calibration and validation of Earth Observation products
Earth Observation Open Science 2017 Conference, 25-28 September 2017, Frascati, Italy. (2017)

2016 Laso Bayas JC, See L, Fritz S, Sturn T, Perger C, Dürauer M, Karner M, Moorthy I, et al. (2016)
Crowdsourcing In-Situ Data on Land Cover and Land Use Using Gamification and Mobile Technology.
Remote Sensing 8 (11): e905 (2016)

Laso-Bayas JC, See L, Fritz S, Sturn T, Karner M, Perger C, Dürauer M, Mondel T, et al. (2016)
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European Geosciences Union (EGU) General Assembly 2016, 17–22 April 2016, Vienna, Austria.

Ontikov PV, Shchepashchenko D, Karminov VN, Dürauer M, & Martynenko OV (2016)
Dynamics of the area of tree cover in the Moscow region for the years 2000-2013 (in Russian)
Herald of the Moscow State Forest University-Forest Herald 1: 184-188.

- 2015 Schepaschenko D, Lesiv M, See L, Fritz S, Shvidenko A, Perger C, Dürauer M, Kraxner F, et al. (2015)
A citizen science application for improving the spatial distribution of global forests.
XIV World Forestry Congress, 7-11 September 2015, Durban, South Africa (2015)
- See L, Fritz S, Perger C, Schill C, McCallum I, Schepaschenko D, Dürauer M, Sturn T, Karne M, Kraxner F, Obersteiner M (2015)
Harnessing the power of volunteers, the internet and Google Earth to collect and validate global spatial information using Geo-Wiki
Technological Forecasting and Social Change, 98:324-335 [September 2015] (Published online 6 April 2015)
- Schepaschenko D, See L, Lesiv M, McCallum I, Fritz S, Salk C, Perger C, Shvidenko A, Albrecht F, Kraxner F, Dürauer M, Obersteiner M et al (2015)
Development of a global hybrid forest mask through the synergy of remote sensing, crowdsourcing and FAO statistics
Remote Sensing of Environment, 162:208-220 (June 2015) (Published online 13 March 2015)
- Perger C, Dürauer M, Fritz S, Bechtel B, Ching J, Alexander P, Mills G, Foley M, O'Connor M, Stewart I, Feddema J, Masson V (2015)
Developing a community-based worldwide urban morphology and materials database (WUDAPT) using remote sensing and crowdsourcing for improved urban climate modelling
Proceedings, JURSE 2015,
30 March 2015-1 April 2015, Lausanne, Switzerland pp. 1-4 (2015)
- Fritz S, See L, McCallum I, Bun A, Moltchanova E, Dürauer M, Perger C, Havlik P, Mosnier A, Schepaschenko D, van der Velde M, Dunwoody A, Kraxner F, Obersteiner M (2015).
Mapping global cropland field size.
Global Change Biology, Article in press (Published online 16 January 2015).
- 2014 Salk C, Sturn T, Fritz S, See L, Fuss S, Perger C, Dürauer M, McCallum I, Obersteiner M (2014).
Collecting, analyzing and assessing big land use data: Results from the cropland capture game.
Presentation, AGU Fall Meeting, 15-19 December 2014, San Francisco, CA, USA (2014).
- Fritz S, Sturn T, See L, Perger C, Schill C, McCallum I, Schepaschenko D, Karner M, Dürauer M, Kraxner F, Obersteiner M (2014).
Cropland Capture: A game to improve global cropland through crowdsourcing.
Geophysical Research Abstracts, 16:EGU2014-2004.
- 2012 Fritz S, Purgathofer P, Kayali F, Fellner M, Sturn T, Perger C, Dürauer M, Haberl W, See L, McCallum I (2012).
Social gaming to collect vast amounts of data for satellite validation.
Geophysical Research Abstracts, 14:EGU2012-13173

Dürauer M, Grillmayer R, Rudel B, Vojtech N, Weissenbeck M, Wunsch M (2012).

Gemeindeübergreifende Ressourcenplanung Modellierung des Versorgungsgrades an öffentlicher Infrastruktur für Standortoptimierungen in der Steiermark.

M. Löwner, F. Hillen, R. Wohlfahrt: Shaker. Braunschweig.

Vojtech N, Grillmayer R, Rudel B, Wunsch M, Dürauer M, Weissenbeck M (2012).

Modelling the Coverage of Public Utility Providers.

REAL CORP 2012 Re-Mixing the City. (May 2012)

2011

Grillmayer R, Weissenbeck M, Novotny P, Rudel B, Vojtech N, Wunsch M, Dürauer M (2011).

Modellierung des Versorgungsgrads an öffentlicher Infrastruktur in der Steiermark als Grundlage für eine gemeindeübergreifende Ressourcenplanung.

Strobl, J.Blaschke, T.Griesebner, G. (Hrsg.): Wichmann. Salzburg.

2010

Dürauer M, Forsthuber J, Grillmayer R, Perger C (2010)

Gewinnung, Analyse und Visualisierung von geografischen Metadaten anhand des IGLIS-Datenbankmodells.

Strobl, J.Blaschke, T.Griesebner, G. (Hrsg.): Wichmann. Salzburg