Curriculum vitae

PERSONAL INFORMATION

Roland Grillmayer

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Sex Male | Date of birth 09 April 1970 | Nationality Austrian

POSITION

Senior Expert on GIS and Remote Sensing for Nature Protection

WORK EXPERIENCE

03/03/2015–Present

Senior Expert on GIS and Remote Sensing for Nature Protection
Umweltbundesamt GmbH, Vienna (Austria)
www.umweltbundesamt.at

- Technical consultant for implementation issues of the INSPIRE Directive.
- Using GIS and Remote Sensing technologies for time and cost efficient land monitoring
- Methodology and concept development of using crowed sourced information for land monitoring purpose
- Development of land cover and land use models with special focus on semantic transformation and data validation
- Active participation in different ISO/TC211 Working groups. Development of GIS standards to improve system interoperability

Business or sector : Environmental Services

01/02/2011–02/02/2015

Head of Subdivision Geoinformatics
University of Applied Sciences, Wiener Neustadt (Austria)
Department of Informatics, Subdivision Geoinformatic

- Responsible for coordination and strategic orientation of all research and teaching activities within the Master degree Geoinformatics

Main Research:

- Development of national and international Standards for Geographic Information
  - ISO 19160: Addressing
  - ISO 19155.1: Place Identifier (PI) Architecture
  - ISO 19155-2: Place Identifier I(PI) Linking
- Geodata modelling, GML
- Geospatial Sematic Web

Business or sector Education and Research

23/09/2006–31/01/2011

Research and Teaching Assistant
University of Applied Sciences, Wiener Neustadt (Austria)
Department of Informatics, Subdivision Geoinformatic
Main Research:

- Development of GIS-Standards
  - Data Quality (ISO 19157)
  - Addresses (ISO 19160)
- GIS-Infrastructure, GIS-Webservices

- Geodata modelling, GML

Business or sector Education and Research

01/03/2002–20/09/2006	### Research and Teaching Assistant

University of Applied Life Sciences Vienna, Vienna (Austria)

Department of Remote Sensing, Survey and Land Information
Main Research:
- Geographic Metadata
- GIS-Infrastructure
- Geospatial Semantic Web
- GIS-Web Services
- Analysis of landscape pattern and related ecological processes based on landscape metrics

Business or sector Education and Research

01/03/1999–01/03/2002	### Research Assistent

University of Applied Life Sciences, Vienna (Austria)

Department of Remote Sensing, Survey and Land Information
Main Research:
- Radiometric calibration of satellite images
- Knowledgebase classification of satellite images
- Development of segmentation algorithm

Business or sector Education and Research

EDUCATION AND TRAINING

01 October 1992–24 September 2001	### Dipl.Ing of Landscape Architecture and Planning University of Applied Life Sciences, Vienna (Austria)

Landscape Ecology, Remote Sensing, Geoinformatics

PERSONAL SKILLS

Mother tongue(s) German

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C1	C1	C2

English row corresponds to the values above.

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communications/education skills gained through my experience as university lecture and my involvement at ISO/TC211

Organisational / managerial skills *Leadership:* Responsible for a team of 6 people on the University of Applied Sciences Wiener Neustadt

Job-related skills
- *Mentoring skills:* Responsible for the coordination and strategic orientation of all research activities within the group)
- *Project Management skills:* Responsible for the project management of all projects of Subdivision
- *Acquisition skills*: Submission of in average three Proposals/per year

Computer skills
- GIS-Client Technologies:: ArcGIS, QGIS, gvSIG...

- GIS-ServerTechnologies: ESRI-Server Technology (ArcGIS Server), GeoServer, Mapserver..
- Database: PostgreSQL/PostGIS, Oracle/Oracle Spatial, MS SQL Server
- ETL-Tools: FME, HALE, GeoKettle
- Webtechnologies: (X)HTML, CSS, XML, KML, GML
- Modeling: Enterprise Architect, Altova XML Suite

ADDITIONAL INFORMATION

Memberships

- Member in different Working Groups at SO/TC211 - Geographic Information
- Vice Head of the Austrian Standards Expert Committee ON84: Geographic Information and Survey
- Member of MIWP-5: MIG temporary sub-group on Validation and conformity testing
- Member of the EAGLE - Eionet Action Group on Land monitoring in Europe

Publications

G. Banko, M. Mansberger, H. Gallaun, **R. Grillmayer,** R. Prüller, M. Riedl (2014): Land Use & land cover mapping in Europe: Current practice, trends and future - Examples from national approaches: Land Information System Austria (LISA); In book: Land Use and Land Cover Mapping in Europe: Practices & Trends (Remote Sensing and Digital Image Processing), Edition: Vol. 18, Chapter: 15, Publisher: Springer Verlag, Editors: Ioannis Manakos, Matthias Braun, pp.237-255

R.Grillmayer, N. Bartelme (2014): Ubiquitärer Zugang zu GIS; rmData - GeoNews. 02/2014; 2/2014:6-7

J. Scholz, **R.Grillmayer**, M. Mittlboeck (2013): *shareOGD – an Approach for Integrating Semantic Information in Open Government Data*; In book: GI_Forum 2013 – Creating the GISociety, Publisher: Wichmann, Editors: Thomas Jekel, Adrijana Car, Josef Strobl, Gerald Griesebner, pp.25-29

R. Prüller, **R. Grillmayer,** G. Banko, K. Steinocher, W. Stemberger, A. Walli, AJ. Weichselbaum (2011): *Nutzen von innovativen Technologien für eine flächendeckende, flexible Landbeobachtung Österreichs*. In: Strobl, J./Blaschke, T./Griesebner, G. (Hrsg.): Angewandte Geoinformatik 2011 - Beiträge zum 23. AGIT-Symposium, 6-8. Juli 2011, Salzburg. Herbert Wichmann Verlag. Karlsruhe.

R. Grillmayer, M. Weissenbeck, P. Novotny, B. Rudel, N. Vojtech, M. Wunsch, M. Dürauer (2011): *Modellierung des Versorgungsgrads an öffentlicher Infrastruktur in der Steiermark als Grundlage für eine gemeindeübergreifende Ressourcenplanung*. In: Strobl, J.Blaschke, T.Griesebner, G. (Hrsg.): Wichmann. Salzburg.

I. McCallum, S. Fritz, C. Schill, C. Perger, F. Achard, **R. Grillmayer,**B. Koch, F. Kraxner, M. Obersteiner,M.Quinten (2010):*Geo-Wiki.org: Harnessing the power of volunteers, the Internet and Google Earth to collect and validate global spatial information;*Earthzine 02/2010;

R. Grillmayer, G. Banko, J. Scholz, C. Perger, K. Steinnocher, A. Walli, J. Weichselbaum (2010): *Land Information System Austria (LISA): Objektorientiertes Datenmodell zur Abbildung der Landbeckung und Landnutzung*. In: Strobl/Blaschke/Griesebner (Hrsg.): Angewandte Geoinformatik 2010. Wichmann.

C. Perger, **R. Grillmayer,** S. Fritz, I. McCallum (2009): *Global Web Mapping 2.0 – Nutzung der Kollektiven Intelligenz zur Validierung und Verbesserung globaler Landbedeckungsdatensätze* - Angewandte Geoinformatik 2009, Beiträge zum 21. AGIT-Symposium, Salzburg, Austria, 8.-10. Juli 2009, pp. 705-710. Wichmann Verlag, ISBN 978-3-87907-480-8

R. Grillmayer (2008): *profil.AT - Entwicklung eines geographischen Metadatenprofils in Österreich* – 2. Forschungsforum der österreichischen Fachhochschulen, Wels, Austria, 26.-27.März 2008, pp.234-239. Shaker Verlag, Aachen 2008, ISBN 978-3-8322-7023-0