



Europass Curriculum Vitae



Personal information

Surname / given names **Lang, Stefan Christian (PD Dr. rer. nat.)**
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Nationality German
Date of birth 12 May 1973
Gender Male

Work experience

Dates	2012 – ongoing
Occupation or position held	Associate Professor (since 2016), Division Head Integrated Spatial Analysis (ISA), Co-lead Research Group Object-based Image Analysis (with Dr Dirk Tiede), Z_GIS Research Coordinator
Main activities and responsibilities	Project coordination and collaboration in R&D projects (EU, national, institutional funding); project proposals and technical, scientific and financial supervision, cooperation agreements and strategic partnerships with NGOs and industry. Focus: GIS, remote sensing, spatial information management in environmental monitoring, human security, hazards and risks, climate change, humanitarian action. Current projects: CopHub.AC H2020 (Coordinator), EO4GEO Erasmus+ Skills Alliance (academic coordinator), EO4HumEn+ & EO4HumEn national Space Application Programme (Coordinator), EO4BtAlps national Space Application Programme (Coordinator).,
Name and address of employer	Universität Salzburg, Kapitelgasse 4-6, 5020 Salzburg, Austria
Type of business or sector	Research and education
Dates	2006 – 2012
Occupation or position held	Senior researcher, Research Coordinator, Deputy head Z_GIS (2011-2012)
Main activities and responsibilities	Conceptual and methodological developments in object-based image analysis including object-based accuracy assessment and object validity, data integration, multi-dimensional indicator assessment, product valuation, user validation. MoUs with UN organizations (e.g. UNEP) and NGOs (e.g. MSF, ICRC). MS.MONINA FP-7 (Coordinator)
Name and address of employer	Universität Salzburg, Kapitelgasse 4-6, 5020 Salzburg, Austria
Type of business or sector	Research and education
Dates	2007 – 2008
Occupation or position held	Professor (substitute position)
Main activities and responsibilities	Professor at the department of Geoinformation processing in landscape and environmental planning, member of the ISVG Respond, supervision of MSc and Phd theses, internationalization of research activities, and acquisition of collaborative (EU) projects. Member of the ISVG Respond
Name and address of employer	TU Berlin, Str. d. 17. Juni 135, 10623 Berlin, Germany

Type of business or sector	Research and education
Dates	1999 – 2005
Occupation or position held	Researcher, tutor, trainer
Main activities and responsibilities	Tutor distance learning course UNIGIS, instructor of modules Spatial Analysis, Spatial Referencing, Landscape Analysis. Collaboration in research and training activities including various implementation phases in Mozambique, India, Bhutan, etc. Dissertation. Courses in GIScience with a focus on data capturing, map production, thematic remote sensing.
Name and address of employer	Universität Salzburg, Kapitelgasse 4-6, 5020 Salzburg
Type of business or sector	Research and education

Education and training

Dates	2012 – 2016
Title of qualification awarded	Habilitation (<i>venia docendi</i>) in Geography and Geoinformatics 18 May 2016
Principal subjects/occupational skills covered	Regionalisation of multi-dimensional spatial phenomena, transfer of OBIA methods to continuous non-image geodata (socio-economic indicators, biophysical parameters, etc.). Title of habilitation: <i>Geons - spatial object holons representing geographical complexity</i> .
Name and type of organisation providing education and training	Universität Salzburg, University
Dates	2014 – 2015
Title of qualification awarded	University didactics, internal organisation and leadership
Principal subjects/occupational skills covered	Didactic skills, organisational framework, staff coaching and team leadership, optimizing scripts and presentations, juridical and strategic issues, project management.
Name and type of organisation providing education and training	Universität Salzburg, University – Tenure track training programme
Dates	2011 – 2012
Title of qualification awarded	Loeb fellowship programme (affiliate)
Principal subjects/occupational skills covered	GI in disaster response and humanitarian action, sustainable spatial planning and management public participation and crowd sourcing, geospatial data availability and quality
Name and type of organisation providing education and training	Harvard University, Graduate School of Design
Dates	2001 – 2005
Title of qualification awarded	Doctorate Geographie (Dr. rer. nat.) 25 April 2005
Principal subjects/occupational skills covered	Object-based image analysis, human vs. computer vision, ecological system organization. Title of thesis: <i>Image objects and landscape objects – interpretation, hierarchical organization, and significance</i>
Name and type of organisation providing education and training	Universität Salzburg, University
Level in national or international classification	PhD
Dates	1994 – 1999 (Mag. rer. nat.) 29 June 1999
Title of qualification awarded	Diplom Geographie (MSc)
Principal subjects/occupational skills covered	Landscape structure analysis, landscape theory. Title of MSc thesis: <i>Aspekte und Spezifika der nordamerikanischen landscape metrics innerhalb der Landschaftsökologie und experimentelle Untersuchungen zum Proximity Index</i> (in German)
Name and type of organisation providing education and training	Universität Salzburg, University
Level in national or international classification	MSc

Personal skills and competences

Creative thinking, transfer of knowhow between domains, dynamic leadership and management; team development; professionalism and international working experience; intercultural competence; project management; mediation; publishing and presenting, teaching and training experience, .

Mother tongue(s)	German									
Other language(s)	English, Portuguese, French, (Latin)									
Self-assessment	Understanding					Speaking			Writing	
<u>European level</u>	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
Portuguese	B1	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A1	Basic user
French	A2	Basic user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

Technical skills and competences	<u>Methodological competence</u> (in the domain of geoinformatics, geography and remote sensing): spatial analysis, geodata management, information extraction and image analysis, spatial modelling, multi-dimensional mapping, object-based accuracy assessment, object validation and object-based change analysis. <u>Domain expertise</u> : humanitarian action, biodiversity and ecosystem monitoring, landscape analysis and planning, disaster response and risk reduction, vulnerability assessment, climate change adaptation, renewable energies, population monitoring. <u>User-oriented geospatial services</u> : product specifications, user requirements, quality assurance, workflow optimization, geospatial data integration across scales, indicator development, cartographic presentation of complex map contents. <u>Reviewing and evaluation</u> : reviewing service for various international journals; H2020 evaluator in MSCA / EIF and ITN continuously since 2015 and SC-5 (EASME).									
Computer skills and competences	<u>General IT skills</u> : Office Software: Microsoft Office products (Word, Excel, PowerPoint, Access including customization); <u>Digital imaging and design software</u> : Adobe Suite, PaintShop Pro; <u>Organizational software</u> : MS Project, Mindjet MindManager; Statistics software: SPSS <u>Geographical information systems</u> : ArcGIS 10.x (ESRI), ArcGIS Pro, (earlier) Arc/Info, ArcView 3 (ESRI); Image analysis software: Erdas Imagine (Leica Geosystems), eCognition Professional (Trimble), ENVI (ITT Visual Information Solutions), IDRISI (Clark Labs); <u>Programming skills</u> : Python (basic), CNL (Cognition Network Language, eCognition), (earlier) Avenue, Visual Basic									
Organisational skills and competences	<u>Project management</u> : project execution, project coordination (EU FP-7 project and national) <u>Strategic planning</u> : monitoring of strategic aims, Z_GIS research coordination; multi-tasking; reflection and innovation, (re-)structuring of technical and administrative workflows. <u>Moderation and organisation</u> : moderation, planning and conducting international conferences (e.g. OBIA 2006, EO4Hab 2013, EO4Hum 2015/2017) and workshops for professional audience and stakeholders. <u>Functions</u> : president of the Salzburg GIS Cluster (association of SMEs in the GI sector)									
Honours and Awards	2015: "Big data challenge" – Copernicus Masters (1 st place); 2014: "Best service challenge" – Copernicus Masters (2 nd place); 2009: "Land Salzburg Research Fellowship" (young scientists' award); 2007: "Definiens GMES Research Award 2007", Definiens AG 2007: "International Digital Earth 3D Visualization Grand Challenge" (Honourable mention). San Francisco, USA, ISDE5 - Fifth International Symposium on Digital Earth (2007); 1999: Best diploma thesis – IALE D award (2 nd).									
Memberships	<u>Institutional</u> : EARSeL (European Association of Remote Sensing Laboratories), ISPRS TC III Working Group on data quality, AGILE (Association of Geographic Information Laboratories for Europe), OGC (Open Geospatial Consortium), GISIG (Geographical Information Systems International Group), UCGIS (University Consortium for Geographic Information Science), IALE (International Association for Landscape Ecology), CCCA (Climate Change Centre Austria), Landscape Europe; <u>Individual</u> : GI-PLUS, IALE Working group Landscape structure (DE), SCGIS (Society for Conservation GIS, past), SGG (Salzburg Geographic Association), GeoComPass.									
Teaching skills and competences	Teaching at University level since 1999, including 'Advanced remote sensing', 'Object-based image analysis', 'GeoHumanitarian Action', 'Landscape structure analysis', 'Systems thinking in spatial representations', 'Scientific methods and writing', UNIGIS instructor and module author; text book author ('Landschaftsanalyse mit GIS', in German, translated to Portuguese, Croatian).									



Salzburg, 01 May 2019