



Europass Curriculum Vitae



Personal information

Surname / given names **LANG, Stefan Christian (Dr. habil.)**
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E-mail stefan.lang@plus.ac.at
Nationality German
Date of birth 12 May 1973
Gender Male

Work experience

Dates	2022 – ongoing
Occupation or position held	Vice Dean Faculty of Digital and Analytical Sciences (DAS)
Main activities and responsibilities	Coordination of international and joint study programmes, internationalisation and strategic development in education and research, pan-European and global networks, CIVIS Open Lab and Hub academic lead, campus development.
Name and address of employer	Paris-Lodron University Salzburg (PLUS), Schillerstr. 30, 5020 Salzburg, Austria
Type of business or sector	Research and education
Dates	2012 – ongoing
Occupation or position held	Associate Professor (since 2016), Division Head Earth Observation, Head CDL GEOHUM, Z_GIS Research Coordinator, Academic Director Copernicus Master in Digital Earth (CDE)
Main activities and responsibilities	Research-driven education and application-oriented skills development in the EO*GI sector. 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: remote sensing, geospatial information in environmental monitoring, human security, hazards and risks, climate change, humanitarian action. Selected projects (coordinator / leading function): <i>Erasmus+ SpaceSUITE Skills Intelligence in the entire Downstream Sector</i> , <i>EC STARS EU Space Technology and Research Support (Education and Skills)</i> ; <i>Erasmus European Universities</i> , <i>CIVIS – a European Civic University</i> ; <i>GEOHUM Christian-Doppler Laboratory</i> , <i>EO for humanitarian aid</i> ; <i>CopHub.AC Copernicus Academy innovation strategy</i> , <i>H2020</i> ; <i>EO4GEO Erasmus+ Skills Alliance (academic coordinator)</i> ; <i>Copernicus Master in Digital Earth Erasmus+ European Joint Master</i> ; <i>various EC projects (Space programme of H2020 and FP7)</i> ..
Name and address of employer	Paris-Lodron University Salzburg, Department of Geoinformatics (Z_GIS), Schillerstr. 30, 5020 Salzburg, Austria
Type of business or sector	Education and research
Dates	2015 – ongoing
Occupation or position held	Consultant, founding member and shareholder

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Main activities and responsibilities	Project development, senior advisor
Name and address of employer	Spatial Services GmbH, Schillerstr. 30, 5020 Salzburg, Austria
Type of business or sector	EO*GI sector
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, SOS Children's Villages, etc).
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, supervision of MSc and Phd theses, internationalization of research activities, and acquisition of collaborative (EU) projects. Member of the ISVG Respond (ESA).
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, curriculum design, knowledge transfer; dynamic leadership and management, team development; professionalism and international working experience; intercultural competence; project management; mediation; publishing and presenting, extensive teaching and training experience.																																																																											
Mother tongue(s)	German																																																																											
Other language(s)	English, Portuguese, French, (Latin)																																																																											
Self-assessment	<table> <tr> <th></th><th colspan="4">Understanding</th><th colspan="4">Speaking</th><th colspan="2">Writing</th></tr> <tr> <td></td><td colspan="2">Listening</td><td colspan="2">Reading</td><td colspan="2">Spoken interaction</td><td colspan="2">Spoken production</td><td colspan="2"></td></tr> <tr> <td><u>European level</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>English</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td></tr> <tr> <td>Portuguese</td><td>B1</td><td>Independent user</td><td>B2</td><td>Independent user</td><td>A2</td><td>Basic user</td><td>A2</td><td>Basic user</td><td>A1</td><td>Basic user</td></tr> <tr> <td>French</td><td>A2</td><td>Basic user</td><td>B1</td><td>Independent user</td><td>A1</td><td>Basic user</td><td>A1</td><td>Basic user</td><td>A1</td><td>Basic user</td></tr> </table>											Understanding				Speaking				Writing			Listening		Reading		Spoken interaction		Spoken production				<u>European level</u>											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
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	Listening		Reading		Spoken interaction		Spoken production																																																																					
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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	<p><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, machine/deep learning, hybrid AI, knowledge-based systems. <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 since 2015 and SC-5 (EASME), various national funding programmes.</p>																																																																											
Computer skills and competences	<p><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, <u>Organizational software</u>: MS Project, Mindjet MindManager; Statistics software: SPSS</p> <p><u>Geographical information systems</u>: various cloud solutions (incl. GEE, OpenEO, etc), QGIS, ArcGIS 10.x (ESRI), ArcGIS Pro, ArcGIS online, (earlier) Arc/Info, ArcView 3; Image analysis software: Erdas Imagine (Leica Geosystems), eCognition Professional (Trimble), ENVI (ITT Visual Information Solutions), IDRISI (Clark Labs); <u>Programming skills</u>: Python (basic), Javascript (basic), CNL (Cognition Network Language, eCognition), (earlier) Avenue, Visual Basic</p>																																																																											

Organisational skills and competences	<p><u>Project management</u>: project execution, project coordination (EU FP-7, H2020, national, institutional). <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 (incl EARSeL 2019, Copernicus4all, OBIA 2006, EO4Hab 2013, EO4Hum 2015/2017) and workshops for professional audience and stakeholders. <u>Functions</u>: GI-PLUS (institute for Geoinformation, private association, transboundary activities addressing public sector, schools, citizens), president (since 2021). Salzburg GIS Cluster (association of SMEs in the GI sector), president (2016-2020)</p>
Honours and Awards	<p>2021: EARSC "Partnership award" (1st place); 2015: "Big data challenge" – Copernicus Masters (1st place); 2014: "Best service challenge" – Copernicus Masters (2nd 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 (2nd).</p>
Memberships	<p><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; GI-PLUS (president), IALE Working group Landscape structure (DE), SCGIS (Society for Conservation GIS, past), SGG (Salzburg Geographic Association), GeoComPass.</p>
Teaching skills and competences	<p>Academic director of Erasmus Mundus funded "Copernicus Master in Digital Earth" since 2019; curriculum design, accreditation (European approach), course development. Teaching at University level (incl. Salzburg, Klagenfurt, Berlin, Tübingen, Krakow, Zagreb) 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 distance learning instructor and module author; text book author ('Landschaftsanalyse mit GIS', in German, translated to Portuguese, Croatian), teaching material compiled in Reveal.js (javascript html environment).</p>



Salzburg, Oct 2023