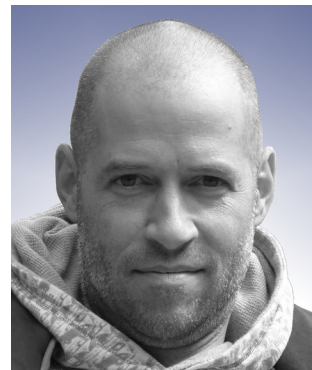


Short Bio and Professional Development

Arnulf Christl was born on April 28th 1970 in Frankfurt am Main, Germany. He spent his childhood in Jakarta (Indonesia), Buchenau (Germany), and Montevideo (Uruguay). He graduated from the British Schools of Montevideo with the International Baccalaureate degree in 1987. His curriculum included majors in Geography, Computer Sciences, English and an extracurricular essay on Theory of Knowledge. He lives in Bonn, Germany and Innsbruck, Austria and is a frequent traveler.



Profile Summary

Arnulf Christl combines excellent communication skills with a quick apprehension of complex situations. He is a well-versed software architect with comprehensive expertise in spatial data infrastructures, Open Source and Standards. He works as project manager both in traditional phased approaches and agile environments as Scrum Master and Scrum Coach. He is a regular speaker at international conferences, leads seminars and workshops. Arnulf has a successful record of introducing innovation to large organizations.

Professional Development

Arnulf Christl works in the spatial domain since the mid 1990s. In 1998 he founded the company CCGIS and in 2007 merged it with two other companies to form the WhereGroup. The WhereGroup offers geospatial services and implementation of spatial data infrastructures based on standardized Open Source software. Arnulf served as CEO of the WhereGroup completing the merger in the following year.

In 2006 Arnulf co-founded the Open Source Geospatial Foundation (OSGeo) to professionalize the emerging Open Source geospatial business ecology. He served on the OSGeo board of directors for six years. In 2008 he stepped down as CEO of the WhereGroup and was elected president of OSGeo where he served for two terms of office until 2012. In 2013 he received the Sol Katz Award from OSGeo for his exceptional services to the community.

In addition to his managerial and leadership assets, Arnulf is a long time member of the Open Geospatial Consortium (OGC). He served on the OGC Architecture Board for 9 years coordinating the development of international standards. He contributes to the European INSPIRE process through his company Metaspatial providing consultancy for international SDI projects and works as Project Reviewer for the European Commission.

Since 2010 Arnulf Christl and offers consulting, agile project management, change and innovation management in the geospatial domain under his label Metaspatial.

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Project Experience

The following list is a selection of references and recent activities.

Organization	Period	Project
Telekom AG	2018 ongoing	Scrum Master and Lead Architect of the project Fibre to the Home Factory.
Tourismus Tirol GmbH, Tyrol, Austria	2017	Consulting for the tourism portal map apps and background data, specifically OpenStreetMap.
Kommunales Rechenzentrum krz, Lemgo, Germany	2017 ongoing	Reorganization of the geospatial development of the City of Detmold and the krz. Team building of four geospatial experts focusing on geoportal technology.
Federal State of Rhineland Palatinate, Germany	2016	Introducing the spatial data infrastructure component MapServer version 7.0.1 for the OGC WFS provision of INSPIRE data using stored queries.
European Commission, Brussels, Belgium	2014 ongoing	Project Reviewer for the European Commission 7th Framework Program (FP 7 ICT) , Horizon 2020 (H2020), etc.: http://cordis.europa.eu/home_en.html
United Nations Habitat Office, Kenia, Nairobi	2013 ongoing	Coordination of the development of the Social Tenure Domain Model software tools, UN Habitat Office Nairobi: http://www.stdm.gltm.net/
FIFA, Zurich, Switzerland	2013	Introduction of Open Source development and agile project management for the global football player registry: http://www.fifa.com/live-scores/
SplashMaps Inc., United Kingdom	2012 ongoing	Server infrastructure implementation for SplashMaps; Maps for the Real Outdoors: http://splashmaps.net/
Ordnance Survey Great Britain	2012 - 2013	Open Source Advocate and Principal Architect for On-Demand Web Services for INSPIRE: http://www.ordnancesurvey.co.uk/innovate/innovate-with-open-space.html
Federal Office of Civil Protection and Disaster Assistance (BBK), Germany	2012	Consultation for the German National Disaster Management portal: http://www.bbk.bund.de/
United Nations	2012	Invited representative of the Open Source community at the Global Geospatial Information Management Group: http://ggim.un.org/

Project Experience (cont.)

Organization	Period	Project
Vicepresidencia de Bolivia, La Paz, Bolivia	2012	Interdisciplinary workshop for a cross ministerial spatial data infrastructure: http://geobolivia.blogspot.de/2012/01/ogc-y-osgeo-en-bolivia.html
Open Geospatial Consortium (OGC), USA	2008 - 2017	Member of the OGC Architecture Board: http://www.opengeospatial.org/projects/groups/oab and author of the white-paper on Open Source and Open Standards.
EuroGeographics, Europe	2010 - 2011	Technical Coordinator and architect of the eContent+ funded project ESDIN: http://www.esdin.eu/
Federal Environmental Agency, Germany	2009 - 2010	Consultation, design, implementation and quality assurance of the German Pollutant Release and Transfer Registry (THRU): https://www.thru.de/
Federal State of Rhineland Palatinate, Germany	2009 - 2010	First Online Bicycle routing based entirely on OGC and INSPIRE standards in Germany: http://mapbender2.org/OGC_OWS-5_KML_Project
Ministry of the Interior, Federal State of Rhineland Palatinate, Germany	2008 - 2013	Architect and Project Lead of the Geoportal Rhineland Palatinate, Germany: http://www.geoportal.rlp.de/portal/en/
State Ministry of Research and Technology (RISTEK), Indonesia	2007	Training of Trainers and Consulting to Bako Surtanal, Indonesia. http://wiki.osgeo.org/wiki/ToT_FOSSGIS_07 http://international.ristekdikti.go.id/
FOSS GIS Training of Trainers	2006	ISSTOCAM Workshop for the UNESCO/IOC: http://wiki.osgeo.org/wiki/Resultados_del_Tutorial_ISSTOCAM_WebGIS
Open Source Geospatial Foundation (OSGeo), USA	2006 - today	OSGeo Graduation Mentor (PostGIS, GRASS GIS, 3D Globe KDE Marble, istSOS) code quality insurance, licensing, copyright and project governance: http://www.osgeo.org/incubator
GIS Training	1999 - 2008	SICAD Spatial Desktop Programming, General Training
Mapbender Geoportal	1998 - 2008	Founder and Chief Architect of the Open Source Software Mapbender: http://mapbender.org/Gallery

Arnulf has a long record of consultation to the public administration ranging from municipal level (City of Vienna in Austria, Nuremberg, Brandenburg and Rostock in Germany, Singapore), to state level (Rhineland-Palatinate, Baden-Württemberg, Berlin-Brandenburg in Germany), national level (Armenia, Austria, Bolivia, China, Indonesia, The Netherlands, Uzbekistan) and international level (EuroGeographics, UN GGIM, OGC, OSGeo). He also consults to the industry, besides others including Südzucker AG, REWE Group, Vattenfall Europe, Vodafone, FIFA and Telekom AG.

Education and Training

- 1991-1993 Geography, Media Sciences and English at the Philipps University in Marburg, Germany (Vordiplom, comparable to Bachelor)
- 1993 Geoinformatics at the University of Alberta in Edmonton, Canada
- (1994-1998) Geography and Informatics at the Rheinische Friedrich-Wilhelms-Universität Bonn, Germany (no degree)
- 2003 Esri ArcObjects: Programming ArcGIS with VBA
- 2003 MapServer Basics and Professional
- 2004 Postgres/PostGIS Professional
- 2004 Meditation and Buddhist Philosophy at Shedrup Ngakde
- 2005 Programming OGC SFS (SQL for Simple Features)
- 2006 GeoServer Professional
- 2007 Quantum GIS (QGIS) Plug-In Development
- 2009 Agile Project Management with Scrum
- 2010 deegree 3.0 configuration for INSPIRE
- 2010 Meditation teacher at Shedrup Ngakde
- 2011 Voluntary Training in Hospice Care
- 2012 Accredited Consultant of the Ordnance Survey Great Britain

Associations and Memberships

Arnulf Christl is member of numerous associations and has built an extensive business network around Metaspatial.

- Open Source Geospatial Foundation (OSGeo), Co-Founder and Charter Member
- Member of the German UNIX User Group (GUUG)
- Member of the Internet Society (ISOC)
- Open Geospatial Consortium (OGC)
- INSPIRE Forum Member
- OSGeo Liaison Officer of the Global Land Tool Network (GLTN)
- Social Tenure Domain Model (STDM) Advisory Board member
- Founding member and Advisor to the GeoForAll ICA-OSGeo Initiative

For more information please also refer to Arnulf's LinkedIn and Xing connections available through the company website at <http://metaspatial.net> where you can also find his contact information, telephone and Email address.