

LIH Training offerings 2025

Name of the course / training	Organiser	Description	Level / Target group	Timing / Duration	Link / Registration / More info
Spatial Data Science for Sustainable Development	Aalto University	Free online course introduces geographical and computational analysis approaches to study sustainability related questions using Python programming and open-source libraries.	Intermediate	Nonstop	https://link.webpolsurveys.com/S/D0A4875A5349A1D5
Spatial analytics	Aalto University	Free online -course introduces you to different analysis approaches and methods of spatio-statistical analysis, geostatistics, map algebra and geovisual analysis.	Beginner, Intermediate	Nonstop	https://link.webpolsurveys.com/S/82DB48F6D7B6B772
Spatial analysis with QGIS	Aalto University	Free online Spatial Analysis with QGIS -course gives to students an introduction to basic spatial operations using the open-source GIS desktop software QGIS.	Beginner	Nonstop	https://link.webpolsurveys.com/S/24225C4DFA480A05
Spatial Data Science with High Performance Computing	Aalto University	Free online course is designed for students and professionals who are working supercomputers and interested to use the computational resources in Parallel for Spatial Data Science processes with Python.	Advanced	Nonstop	https://geohpc.readthedocs.io/
Geo-Python	University of Helsinki	This free online course focuses on the basics of programming and scientific data analysis using the Python programming language. The students also learn to use version control (git) and online repositories (GitHub) for documenting and communicating their work.	Beginner	Nonstop	https://link.webpolsurveys.com/S/9DBE439A001A25AB
Automating GIS processes	University of Helsinki	Free online course introduces GIS and geocomputational methods using the Python programming language through interactive lessons and hands-on exercises.	Intermediate	Nonstop	https://link.webpolsurveys.com/S/616B4B3ACDE5EC6A
Cartographic visualization in GIS	University of Helsinki	Free online course will familiarize the students to the art and science of cartographic visualization. The course covers the cartographic theories and teaches how to implement them in GIS.	Advanced	Nonstop	https://link.webpolsurveys.com/S/CD1A06D9FAA34241
Location Innovation Academy	Location Innovation Hub	Free online courses about data management, data and service integration and service management for specialists developing geospatial data services.	Intermediate, Advanced	Nonstop	https://academy.ogc.org/
Visualization of geospatial data and map making	University of Turku	On this free online course the students are guided to thinking about how to visualize geospatial data and create a map layout that conveys the desired message to the audience. Knowing the general principles and practical tools available in QGIS helps in avoiding the most common mistakes and in applying the best practices.	Intermediate	Nonstop	https://digicampus.fi/course/view.php?id=3509
AI & Cybersecurity MOOC	University of Turku	The Cybersecurity and AI is a free online introductory level course on how the rapid advances in AI technology, most prominently machine learning, connect with the changing cybersecurity domain.	Beginner	Nonstop	https://digicampus.fi/course/view.php?id=1391
Sustainable development	University of Turku	This free online course introduces the key concepts related to Sustainable Development as well as to the Sustainable Development Goals.	Beginner	Nonstop	https://digicampus.fi/course/view.php?id=3259
Principles of Open Data	University of Turku	This free online course focuses on the concept of open data. After completing this course, the student is able to define what is the concept of open data and learn how to discover and to use it as a research resource. The student learns about terms and conditions of accessing and using open data.	Beginner	Nonstop	https://digicampus.fi/course/view.php?id=2422
Working with interactive web maps	University of Turku	The free mini-MOOC introduces the student to the topic of web mapping and presents easy to use technologies and tools, such as qgis2web plugin for QGIS. The use of interactive web maps is common to anyone who has access to the internet. We use web maps, for example, when searching for services or the fastest route to our destination or when viewing news online. Web maps are relevant for all fields of society from research and education to planning, business and decision-making.	Beginner	Nonstop	https://digicampus.fi/course/view.php?id=3511
GeoSPA talks (Space, Place, analysis)	University of Helsinki, Aalto University	GeoSPA is a series of talks revolving around anything geospatial. Focusing on Space, Place, and Analysis.	Intermediate, Advanced	See upcoming talks from GeoSPA website	https://geospa.org/
STAC – How to find and use spatio-temporal data easily?	CSC Finland / Geoportti RI	This workshop is for new users of STAC – Spatio-Temporal Asset Catalog. STAC is a specification to describe geospatial datasets with temporal dimension. It drastically simplifies searching and downloading datasets.	Intermediate, Advanced	12.3.2025	https://ssl.eventilla.com/stac_2025
Customized online course or workshop	Gispo	Gispo offers customized courses and workshops for GIS beginners and experts alike. Tell us your needs and we tailor a remote course or workshop for you or your team.	Beginner, Intermediate, Advanced	At request	https://docs.google.com/forms/d/e/1FAIpQLSdCvvtkt0a3AKI8pxVkmFletxp71pnSKNdpcu6g7FcOynTy4g/viewform
Geospatial Challenge Camp	University of Turku, Aalto University, LIH, Geoportti RI	The Geospatial Challenge Camp is a skills development and innovation service of Geoportti Research Infrastructure and Location Innovation Hub (LIH). The Geospatial Challenge Camp is a 12-week long challenge-based course that aims to provide participants a chance to tackle relevant real-world challenges in cross-disciplinary teams.	Advanced	Feb-May 2025	https://challenge-camp.geoportti.fi
Drone Master –course	OAMK	Want to be a professional drone operator? Learn with the DroneMaster online course. The course is suitable for anyone who is involved in unmanned aviation for work, study or hobby purposes.	Beginner	Nonstop	https://digicampus.fi/enrol/index.php?id=3319
Future Smart Cities and Digital Innovations	OAMK	Join a two-day hackathon on to create future smart city solutions and drive digital innovation! The event brings together technology companies, startups, experts, and students. Themes include AI utilization, smart mobility, 5G, data ecosystems, and sustainable energy use. Work with top experts, develop solutions for real-world challenges, and network with industry professionals.	Intermediate	15.-16.4.2025	See following events page: https://positio-lehti.fi/tapahtumat/
Going Places with Spatial Analysis	ESRI	This free course is for people who know something about data analysis and want to learn how the special capabilities of spatial data analysis provide deeper understanding. You'll get free access to the full analytical capabilities of ArcGIS Online, Esri's cloud-based mapping and analytics platform.	Intermediate	Nonstop	https://www.esri.com/training/catalog/57660f19bb54adb30c9454b0/going-places-with-spatial-analysis/
GIS for Climate Action	ESRI	On this free online MOOC, you can explore how GIS technology helps address climate challenges, revealing risks and solutions. Learn to use ArcGIS to create insights that support resilient communities, systems, and infrastructure.	Beginner	Nonstop	https://www.esri.com/training/catalog/645d6a07eb82fb767bb0c012/gis-for-climate-action/
Make an Impact with Modern Geo Apps	ESRI	On this free online course, you learn to build geo apps using no-code technologies. Fuse location data, web GIS, and storytelling for engaging desktop, web, and mobile experiences. Explore four ArcGIS apps, focusing on one each week.	Intermediate	Nonstop	https://www.esri.com/training/catalog/663a68f536d6dc1f7d757853/make-an-impact-with-modern-geo-apps/
Spatial Data Science: The New Frontier in Analytics	ESRI	On this free online course, you can explore spatial data science to find patterns and solve complex problems. Learn advanced analytics, machine learning, and deep learning techniques in ArcGIS software, and integrate open data science packages.	Intermediate	Nonstop	https://www.esri.com/training/catalog/5d76dcf7e9ccda09bef61294/spatial-data-science-the-new-frontier-in-analytics/
Cartography	ESRI	On this free online course, you learn to create beautiful maps with ArcGIS Pro, guided by expert cartographers. Through hands-on exercises, improve your map-making skills and go beyond the basics to produce engaging, impactful maps.	Beginner	Nonstop	https://www.esri.com/training/catalog/596e584bb826875993ba4ebf/cartography/