

Curriculum Vitae

LILIT MINASYAN

✉ lilit.minasyan.official@gmail.com, lilmin233@gmail.com

in <https://www.linkedin.com/in/lilit-minasyan-2b09b4193/>

Be behance.net/lilmin1e8d

S [Lilit.Minasyan](#)

Tel: (+374-55)459 028



Specializing

GIS and Remote sensing, Earth Observation, DRR, Climate change and Security

Experience

17+ years, including conflict & post-conflict environment

Software Skills

ArcGIS Pro, Arc Map, Esri enterprise, ArcGIS engineering, ENVI, ERDAS IMAGINE, Q-Gis, R studio, Microstation, Panorama
Adobe Photoshop, Corel Draw, Adobe illustrator, In Design, Adobe primer, MS Office.

Skills & Expertise

Experienced Sourcing Analyst of working in the information technology and services industry.

Spatial Data infrastructure database construction and technical assistance, GIS mapping, Environmental Protection and Efficient Use of Natural Resources capacity building, evaluation, geo-analysis Skilled in ArcGIS Products, AEC, Digital Mapping, Data Visualization, and Quantum GIS. Themes: forests, biodiversity, water, urban, agriculture, natural & anthropogenic hazards, public health, tourism, education.

Clients

WORLD BANK, UNDP, UNHCR, REACH, OSCE, USAID, GIZ, UNICEF, ACTED IMPACT, CRRC, Disaster Risk Reduction National Platform, Mission Armenia, Academy, non-profits, governments, private sector.

Country experience

Armenia, Hungary, France, Switzerland, Georgia, Ukraine, Ireland, Germany

Languages

English, Russian, Armenian (fluent);

Driver License

B/C category

Membership

Women in GIS
<https://womeningis.wildapricot.org/>

Education

2022*-Portugal

PhD candidate- Doctoral program in Climate Change and Sustainable Development Policies, University of Lisbon!

2021-Ukraine

*Basic course Safety Management System, training center ICAO, ICAO training institute, **Kiev, Ukraine***

2014 Hungary

*Summer School "Bridging LCTs and Environment Spatial Planning and Environmental Assessment for Decision Making in Europe": Central European University, **Budapest, Hungary***

2013-Ireland

*Summer School "Integration of Spatial Decision Support Systems and Evidence Based Modelling in National/Regional Policy Applications and Regulatory Systems. Scientific and Policy Challenges": University College **Dublin, Ireland***

2002-2007 Armenia

Yerevan State University of Architecture and construction, (Department of Industrial and Civil Construction), Engineering Geodesy

Employment

Ministry of Internal Affairs, Crisis Management State Academy. 2023- present

Geographic Information System Programmer

Develop educational programme for bachelor's degree and provide theoretical and practical lectures on GIS and Remote sensing. Support the CMSA in establishment of partnership with local and international academic and research institutions, as well as in development and implementation of research projects in GIS and Remote sensing.

UNDP- Disaster Risk Management Programme. 2022- present

Local Expert on Monitoring and Reporting on Establishment of GIS platform

Conduct monitoring and evaluation of the GIS platform development process that included a) formulation of monitoring and evaluation plan for development and utilization of the GIS platform, including monitoring indicator selection, target setting, reporting, database management, and performance monitoring; b) monitoring the progress of the establishment of GIS platform, including with a narrative reports on critical stages of installation, possible delays, shortcomings, milestones, etc.; c) monitoring the GIS data collection, and support, as required, the proper storage, analysis, and reporting processes

Ministry of Emergency Situations of RA Crisis management state academy. 2022-present

Lecture:

GIS and Remote Sensing

Development of educational programs on GIS, remote sensing, disaster risk modeling, data management and visualization, special analyzing, and digital mapping.

Organization of workshops, conferences, and training of trainers (ToT)

Support in establishment of partnership with international educational institutions in disaster risk modeling, GIS and remote sensing, data visualization and digital mapping.

ARNAP Foundation, 2019- present

Team lead, expert of the Disaster Risk Reduction National Platform

Development and promotion of the DRR National Platform

Heading the GIS thematic group through offering solutions to problems caused by climate change and disaster risks.

Training the team in using the newly introduced set of DRR analytics and for studying climate change effects through the GIS system

Lilit Minasyan IE, 2018- present

Chief Executive Officer (CEO) & Founder at Lilit Minasyan IE

Lilit Minasyan IE is a geospatial technology and services company

Caucasus Research Resource Center-Armenia (CRRC) 2022-2023

GIS analyst

Development of sampling strategy for quantitative research projects:

Design of database for GIS based sample

Monitoring of GIS sampling implementation, in depth data analysis on socio-economic data

Analyzing sampling data and presenting GIS reports for the client. Provision of maps for random sampling/household selection with geographical coordinates; Conducted monitoring and quality control of the sample/household selection coordinates.

IMPACT Initiatives, Armenia (2021-2022),

GIS/Database officer – Joined REACH (joint initiative of IMPACT Initiatives, United Nations Operational Satellite Applications Programme (UNOSAT) humanitarian initiative providing GIS and data management services for multi-sectoral needs assessment of the displaced population (Armenia-Azerbaijan conflict, 2020) to feed aid response and decision-making (UN Information Management Working Group) with reliable information on the humanitarian situation of crisis-affected population.

i involved in GIS mapping for the "Area-Based Risk Assessment

(ABRA)" project and the "Safeguarding Mountain Communities" project. In these projects, focus was on the development of remote sensing systems and methods for planning, implementation, and monitoring.

ACTED Armenia (2021-2023),

GIS and DRR specialist at ACTED

Development of solutions through remote sensing technology for Environment and Disaster Risk Reduction

Implementation of mapping in frames of various projects. Conducting assessment to identify the existing GIS based data source and management system. Development of set of recommendations for improvement of GIS data layers and data visualization system.

Development of solutions through remote sensing technology for Environment and Disaster Risk Reduction Implementation of mapping in frames of various projects. Hazard modeling using the GIS and Remote sensing technologies, by utilization of special data from different satellite images such as Sentinel 2, Modis, Landsat, etc Organization of capacity building training and workshops, including development of educational programs.

Ministry of Environment of Republic of Armenia, "Zvartnots" Avia meteorological Centre" CJSC (2021-2022),

Development and International Cooperation Specialist

Development of partnership with International Civil Aviation Organization (ICAO), IATA, WMO

Managing communication and experience exchange processes with international avia meteorological centers

Ministry of Environment of Armenia, 2021.10-12

Party Delegate Armenian national delegation at UNFCCC COP26, (Glasgow, Scotland).

Negotiating as a member of Armenian delegation around environment and climate change related topics

TomTom (Hungary) (2019-2020).

Geographic Sourcing Analyst and GIS specialist

While working in TomTom I have conducted correction of navigation data, quality evaluation of mapping data provided suppliers by using GIS system, as well as completing absent data. I have also conducted update of mapping data for whole Armenia in TomTom navigation system, as well as implemented negotiations with both local and international organizations.

Centre of Geodesy and Cartography 2019

Leading GIS specialist

Connection and localization of photos done through drones using GIS system, automatization of data with Python.

Designer at The State Philharmonic of Armenia / Arno Babajanyan Concert Hall (2019-2020),

Former Graphic

Center for Ecological-Noosphere Studies National Academy of Sciences, Armenia 2012-2019

Researcher in the Department of GIS and Remote Sensing

development of mechanism for remote sensing based agricultural data collection and crop growth monitoring system. Researching the Armenian Agriculture data ecosystem, assessment of national capacities on application of remote sensing technologies in agriculture. Advising on methodologies/technologies for real time monitoring for yield forecasting and estimation applicable for Armenia.

Center for Ecological-Noosphere Studies, National Academy of Sciences, Armenia. 2008-2012

Senior GIS laboratory assistant

Centre of Geodesy and Cartography, Department of Photo-grammetry 2006-2008

GIS specialist

I have conducted digitalization and preprocessing of topo maps, transformation of maps with 1:10000 scale to 1:25000 scale, creating military maps using satellite images.

Research projects

Date	01.08.2023-ongoing
Position	DRR expert
Title:	"Climate Risk Assessment in Armenian Communities" which is implemented by the National Platform for Disaster Risk Reduction Fund (ARNAP) together with the United Nations Children's Fund (UNICEF)

Date	01.08.2023-ongoing
Position	Gis and Remote sensing expert
Title:	"Transition to low carbon irrigation technologies for increased productivity, food security and enhanced livelihoods in Lori and Shirak regions of Armenia" financed by the Japan's government and implemented by UNDP

Date	01.05.2023-01.07.2023
Position	GIS analysis at Urban Sustainable Development Fund

<i>Title:</i>	<i>"Local Works" USAID NOFO 72011122RFA00004 grant project "Citizenship Index" baseline survey with geographic information systems</i>
<i>Date</i>	<i>2022.09– 2023.03</i>
<i>Position</i>	<i>Local Expert on Monitoring and Reporting on Establishment of GIS platform</i>
<i>Title:</i>	<i>"Supporting Nationally Determined Contributions Towards Climate Risk Resilience in Armenia" financed by the Japan's government and implemented by UNDP</i>
<i>Date</i>	<i>2022.12– 2023.08</i>
<i>Position</i>	<i>GIS and DRR Expert</i>
<i>Title:</i>	<i>"Support to the management of the outbreaks of Covid-19 and other infectious diseases in Armenia" which is implemented by the National Platform for Disaster Risk Reduction Fund (ARNAP) together with American university and USID</i>
<i>Date</i>	<i>2022.01– 2022.08</i>
<i>Position</i>	<i>GIS and DRR Expert</i>
<i>Title:</i>	<i>"Area-Based Risk Assessment (ABRA)": Safeguarding Mountain Communities – IMPACT</i>
<i>Collaboration & partnership</i>	<i>Under the present project ACTED will work together with IMPACT and GLOMOS, a collaborative program and scientific alliance between the United institute for Environment and Human Security (UNU-EHS) and Eurac Research based in Bolzano, Italy</i>
<i>Date</i>	<i>2021.10– 2022.12</i>
<i>Position</i>	<i>GIS expert</i>
<i>Title:</i>	<i>"Land Cover and Anthropogenic Pressure Mapping for Lake Sevan basin (Gavar Region)"</i>
<i>Collaboration & partnership</i>	<i>The Project is being implemented within the Kombi fin. EU, Beratung - Lake Sevan - EU4SEVAN, Contract # 83392476.) Funded by GIZ</i>
<i>Date</i>	<i>2022.04-2022.06</i>
<i>Position</i>	<i>GIS analysis</i>
<i>Title:</i>	<i>Rapid Assessment on Assistive Technology" which is implemented by CRRC Funded by UNDP</i>

<i>Date</i>	2021.06-2021.12
<i>Position</i>	GIS expert
<i>Title:</i>	<i>Capacity and Vulnerability Assessment</i>
<i>Collaboration &partnership</i>	<i>Implemented by AGORA Initiative (IMPACT Initiatives) Funded by UNDP</i>

<i>Date</i>	2021.06-2021.12
<i>Position</i>	GIS expert
<i>Title:</i>	<i>REACH Support to CSG (Coordination Steering Group)</i>
<i>Collaboration &partnership</i>	<i>Implemented by REACH Initiative (IMPACT Initiatives) Funded by UNHCR</i>

<i>Date</i>	2017-2021
<i>Position</i>	GIS expert
<i>Title:</i>	<i>Innovation and Governance - H2020 CONNECTING Funded by EU HORIZON2020 program, SCC-02-2016-2017</i>

<i>Date</i>	2016-2017
<i>Position</i>	GIS expert
<i>Title:</i>	<i>Development of the remote monitoring system of the water quality of Lake Sevan</i>
<i>Collaboration &partnership</i>	<i>Center for Ecological-Noosphere Studies of NAS RA (Armenia) Foundation for Restoration of Sevan Trout Stocks and Development for Aquaculture (FRSTSDA), Armenia</i>

<i>Date</i>	2011-2013
<i>Position</i>	GIS expert
<i>Title:</i>	<i>Deploying Armenian distributed Processing capacities for Environmental GEOspatial data (ARPEGEO)</i>
<i>Collaboration &partnership</i>	<i>University of Geneva (Switzerland) Center for Ecological-Noosphere Studies of NAS RA (Armenia) Institute of Informatics and Automation Problems NAS RA (Armenia)</i>

<i>Date</i>	2011-2014
<i>Position</i>	GIS specialist
<i>Title:</i>	<i>EU Cooperation Capacity Building of Center for Ecological-Noosphere Studies of National Academy of Sciences of Armenia: Towards Armenia 's integration into the ERA (EcoArm2ERA)</i>
<i>Collaboration &partnership</i>	<i>Center for Ecological-Noosphere Studies of NAS RA (Armenia), University College Dublin, National University of Ireland (Ireland), University of Geneva, Institute for Environmental Sciences (Switzerland) , GIRAF PM Services GmbH (Germany) Funded by EU FP7 Capacities Work program 2010: Coordination and Support Action</i>

<i>Date</i>	2011-2013
<i>Position</i>	GIS specialist
<i>Title:</i>	<i>ARMENIA: Community Agricultural Resource Management and Competitiveness Project</i>
<i>Collaboration &partnership</i>	<i>Center for Ecological-Noosphere Studies of NAS RA (Armenia) Funded by World Bank</i>

Participations in scientific meeting

- 2021 | UN Climate Change Conference (COP26), Glasgow, England
- 2016 | EaP Inco NET workshop:, Yerevan
- 2014 | GIS-forum 14: education, science, industry (on-line). Kharkov, Ukraine,.
- 2014 | FP7 EcoArm2ERA project final scientific workshop: Yerevan
- 2014 | Workshop "Brigging LCTs and Environment Spatial Planning and Environmental Assessment for Decision Making in Europe" :Central European University, Budapest, Hungary
- 2013 | Workshop "Integration of Spatial Decision Support Systems and Evidence Based Modelling in National/Regional Policy Applications and Regulatory Systems. Scientific and Policy Challenges": University College, Dublin, Ireland
- 2013 | 2nd training workshop on Research and Technological Development (RTD) proposal writing.
- 2013 | ARPEGEO project scientific symposium "Environmental Data Sharing for the Benefit of the South Caucasus Region".
- 2012 | ARPEGEO project scientific workshop «Environmental data sharing: adopting international standards to benefit the Armenian scientific community» Yerevan, Armenia.
- 2011 | Workshop on Environmental data sharing: adopting international standards to benefit the Armenian scientific community: Yerevan, Armenia.

Participation in organizational conferences:

- UN Climate Change Conference (COP26), Glasgow, England
- 2014- EcoArm2ERA final meeting. (International, held in the RA)
- 2016- EaP IncoNET workshop. (International, held in the RA)

Publications

The methodology and mechanisms of localization and implementation of international obligations for disaster risk reduction in the republic of Armenia.

Armen Chilingaryan. Lilit Minasyan.

Article of the Crisis Management State Academy of Armenia.,2022

A Landsat 8 OLI satellite data-based assessment of spatio-temporal variations of Lake Sevan phytoplankton biomass

G. Tepanosayn, V. Muradyan, A. Hovsepyan, L. Minasyan, Sh. Asmaryan; *Annals of Valahia University of Targoviste. Geographical Series*, 2016, 17 (1), pp. 83-89; DOI: 10.1515/avutgs-2017-008

A Practice of Using Remote Sensing Technologies in Geoecological Studies. Journal of Siberian Federal University.

Asmaryan Sh.G., Muradyan V.S., Tepanosyan G.O., Hovsepyan A., Minasyan L., Saghatelyan A.K. *Engineering & Technologies*, 8(8), 2015, pp. 1024-1031.

Studying the Dynamics of Lake Sevan Water Surface Temperature Using Landsat8 Sateliite Imagery Azatuhi Hovsepyan, Vahagn Muradyan, Garik Tepanosyan, Lilit Minasyan and Shushanik Asmaryan Volume 18: Issue 1, Published: 25 May 2018 Page68–73https://-

doi.org/10.2478/avutgs-2018-0008

The Utility for Assessing the Ecological State and Managing Armenian’s Farmlands. Saghatelyan A., Asmaryan Sh., Muradyan V., Tepanosyan G. Journal of Geological Resource and Engineering, 4, 2014, p. 222-228.

GIS technologies for assessing the ecological state and managing Armenia's farmlands, Saghatelyan A., Asmaryan Sh., Mouradyan V., Amirkhanyan M., Minasyan M. 32nd International Geographic Congress Book of Abstracts, (26-30.08.2012). - Cologne, Germany, 2012, 938-939.

A Landsat 8 OLI Satellite Data-Based Assessment of Spatio-Temporal Variations of Lake Sevan Phytoplankton Biomass, Annals of Valahia University of Targoviste, Geographical Series 17 (1),

G. Tepanosayn, V Muradyan, A Hovsepyan, L Minasyan, S.Asmaryan

Studying the Dynamics of Lake Sevan Water Surface Temperature Using Landsat8 Sateliite Imagery. Annals of Valahia University of Targoviste, Geographical Series, 18(1),

Hovsepyan, A., Muradyan, V., Tepanosyan, G., Minasyan, L., & Asmaryan, S. (2018). 68–73. <http://doi.org/10.2478/avutgs-2018-0008>

References

Armine Hayrapetyan

Rector, Crisis Management State Academy of the Ministry of Emergency Situations

of Armenia. Address: 1 Acharyan str., Yerevan, Armenia, Tel: (+37495) 394202; E-mail: ahayr76@gmail.com

Armen Chilingaryan

Disaster Risk Reduction Programme Manager UNDP, Armenia

Address: 15/2, Shinararner str., apt.119, 0099, Yerevan, Phone: (+37491) 011 353, (+37455) 011 353

E-mail: armen_77@yahoo.com, armen.chilingaryan@undp.org

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

