Eduard Kazakov

Specialist in GIS and Earth remote sensing
Cartographer, Researcher

30 y.o., Russian Federation
(now living in Serbia)

ee.kazakov@gmail.com
eduard-kazakov.github.io
+381 63 7735706

Key technical skills:

- Deep expertise in QGIS, GRASS, SAGA software. Basic expertise in ArcGIS ecosystem.
- Python for geospatial data processing and automation. NumPy, SciPy, GDAL/OGR, matplotlib, scikit-learn, pandas.
- Topographic and thematic mapping. From data collection to map design.
- Hydrologic, geomorphometric, urban analysis in GIS.
- Web GIS technologies and standards.
- Remote sensing data processing with toolboxes (ENVI, SNAP, Metashape, OpenDroneMap, Google Earth Engine) and python code.
- Geodata management with PostreSQL/PostGIS.
- Solving computer problems and basics of server administration (Unix, Windows). Git, docker.

Experienced professional in Geoinformatics, Cartography and Earth remote sensing with scientific background. Contributor and popularizer of open-source geospatial software, especially QGIS. Environmental science, GIS and maps lover.

Wide experience of geospatial technologies mastering in different areas (from water resources management to archaeology, from climatology to urban studies) gives me an opportunity to look at any geographic problem from different angles and to use multidisciplinary approaches.

Saint Petersburg State University

2009 - 2014	Geoinformatics (diploma with honors)

NextGIS LLC

2022.05 - present	GIS Consultant

Consulting on QGIS, GRASS, SAGA, NextGIS software, Cartography, Python, GDAL/OGR etc.

2021.01 - 2022.05	Director of educational programs

Designing and conducting educational courses on NextGIS Software, QGIS, GRASS/SAGA, Python for geographical problems. GIS trainings, webinars, consulting

2019.02 - 2021.01	Software developer, GIS Analyst

Developing QGIS plugins and python scripts for geospatial data processing. Mapping, GIS analysis, creating tutorials

Key non-technical skills:

- Scientific and technical writing
- Lecturing and presentations
- Scientific literature interpretation/generalization

Also about me:

- Married, have 4-month-old child
- Best pastime: family, hiking, classical music, reading.
- Community and knowledge sharing enthusiast.
- Russian (native)
- English (professional working proficiency)

Russian State Hydrological Institute

2019.02 - 2021.01 — **Head of geoinformatics group, Researcher**

Managing group of engineers and scientists in the field of GIS for water resources management and hydrological modeling. Scientific research, GIS analysis, mapping, software development (python)

Nansen International Environmental and Remote Sensing Center

2017.08 - 2019.01 — Researcher

2016.03 - 2017.08 — Junior researcher

Scientific research (remote sensing, GIS, climate, oceanology). Developing an applied automated monitoring system of sea ice based on radar remote sensing data.

Saint Petersburg State University

2014.09 - 2017.08 — Lecturer

Designing and conducting educational courses on cartography, GIS, remote sensing, photogrammetry and geodesy. Supervising students' projects.

Some projects: https://eduard-kazakov.github.io/projects
Code: https://github.com/eduard-kazakov
Scientific papers: https://scholar.google.com/citations?user=kUaRzT4AAAAJ
LinkedIn: https://www.linkedin.com/in/eduard-kazakov-gis

Keywords

Geoinformatics Earth remote sensing Spatial analysis Spatial data Cartography Software development Lecturing Scientific research Environmental monitoring Team management Project management QGIS GRASS SAGA ArcGIS MapInfo NextGIS Web Google Earth Engine Field data collecting QField NextGIS Collector Geodesy Photogrammetry UAV Statistics Machine learning ENVI Agisoft Metashape OpenDroneMap OpenStreetMap SQL PostGIS Python GDAL/OGR matplotlib pandas scikit-learn numpy Docker JavaScript Git Linux/Unix Solving computer problems Qt OGC standarts Sentinel Landsat MODIS VIIRS SAR Geomorphometric analysis of DEMs Hydrologic analysis of DEMs Network analysis Potree Automation Copernicus data and services