

Ankhubayar Delgerchuluun

Development Economist | Research Manager

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Google Scholar](#)

Professional Profile

Development economist and Research Manager with more than five years of experience in impact evaluation, applied quantitative research, survey implementation, and geospatial analysis. Supports experimental and quasi-experimental evaluations, manages research implementation, builds reproducible analyses in R and Stata, and translates findings into reports, policy briefs, dashboards, and presentations. Research interests include development and environmental economics, causal inference, Earth observation, and evidence-informed policymaking.

Core Expertise

Impact evaluation and causal inference • Survey design and fieldwork monitoring • Data quality and reproducible analysis • Geospatial and Earth-observation analysis • Research management • Evidence synthesis and reporting • AI-supported statistical workflows

Professional Experience

Center for Evaluation and Development (C4ED)

Research Manager; previously Junior Research Manager and Research Assistant

Mannheim, Germany

Oct 2022–Mar 2024; Sep 2024–present

- Support randomized and quasi-experimental evaluations and coordinate research delivery with clients, survey firms, project partners, and international research teams.
- Supported four large-scale household data collections covering approximately 10,300 households in Kenya, Niger, Pakistan, and Timor-Leste through questionnaire development, programming, high-frequency checks, cleaning, analysis, and reporting.
- Lead baseline implementation for a cluster-randomized study involving approximately 400 policymakers across around 80 government directorates in Ethiopia, including questionnaire development, monitoring, randomization inputs, data management, and partner coordination.
- Conceived and lead an embedded randomized survey experiment on social desirability bias in self-reported evidence use; developed its pre-analysis plan, experimental instrument, outcomes, power calculations, and analysis strategy.
- Led quantitative and geospatial analysis for an IFAD sustainability assessment in Tunisia and Tajikistan, combining satellite, climate, administrative, and project data and applying Synthetic Difference-in-Differences.
- Designed a five-stage AI workflow for extracting and validating statistical information from clinical-trial documents, with structured schemas, evidence tracing, human-review checkpoints, and cross-stage quality controls.

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

Intern, Mitigation Action Facility

Berlin, Germany

Mar 2024–Aug 2024

- Developed an Excel dashboard covering the climate-mitigation portfolio across project stages and supported the web-based application-management platform used for project calls.
- Designed evaluation criteria and compared outputs from consultant-developed AI models used in project-concept assessment.
- Researched how major climate funds integrate gender equality and social inclusion into monitoring and evaluation and supported programme-level indicator development.

Center for Modern Indian Studies, University of Göttingen

Research Assistant

Göttingen, Germany

Oct 2023–Feb 2024

- Cleaned research data and supported statistical modelling in Stata for a study estimating the global economic burden of colon cancer.

World Vision International Mongolia

Data Analyst

Ulaanbaatar, Mongolia

Jan 2020–Sep 2021

- Coordinated a five-to-seven-person team delivering approximately 400 interviews and eight focus groups during COVID-19 restrictions; analysed the data and prepared the final report in R.
- Managed more than 2,000 donor records using SQL and built a Power BI dashboard for retention, funding patterns, and fundraising indicators.
- Used donor analytics to increase long-term donor retention by 45%, annual funding by 37%, and contribute to more than USD 85,000 in fundraising; also monitored programmes supporting more than 2,000 children and their families.

Economic Research Institute

Economic Researcher

Ulaanbaatar, Mongolia

Jun 2018–Jan 2020

- Conducted applied research on trade, agricultural value chains, public finance, commodity markets, and economic diversification for international and government clients.
- Co-authored an Asian Development Bank chapter using approximately five million trade observations from 196 countries over 15 years and combined interviews with close to 100 value-chain actors with quantitative market analysis for agricultural studies.
- Prepared social-accounting-matrix and economic-data inputs and supported CGE and DSGE model development as a junior team member.

Education

MSc Development Economics

Georg-August University of Göttingen

Göttingen, Germany

Sep 2021–Oct 2023

- Thesis: *Up in the Air: The Effects of Air Pollution on Conflict in West Africa*; built a 15-year geospatial panel covering 16 countries and more than 1.5 million observations. The research was subsequently developed into a peer-reviewed article.
- DAAD Development-Related Postgraduate Courses (EPOS) scholarship, 2021–2023.

BSc Economics

National University of Mongolia

Ulaanbaatar, Mongolia

Sep 2014–Jun 2018

- Thesis: *The Impact of Institutions on Corruption in Transition Economies*.

Selected Publications and Research Outputs

- Delgerchuluun, A., Kis-Katos, K., and Perlik, K. (2026). “Air Pollution and Conflict in West Africa: The Effects of the Harmattan Dust.” *Journal of Environmental Economics and Management*, 141, 103413. DOI.
- Pasha, A., Khan, S., Urueña, V., Huonen, R., Furlani, I., Delgerchuluun, A., et al. (2023). *Evidence Gap Map on Impacts of Socio-Technical Innovation Bundles on Women’s Empowerment and Resilience*. CGIAR Initiative on Gender Equality (HER+).
- Galindev, R., Batdelger, T., Lkhanaajav, E., and Delgerchuluun, A. (2022). “Budget Revenue Management.” In *Economic Dependence of Mongolia on Minerals: Consequences and Policies*. Springer. DOI.
- Batdelger, T., Chuluunbat, N., Bayartsogt, K.-E., and Delgerchuluun, A. (2020). “Economic Diversification Beyond Mining.” Chapter 4 in *Mongolia’s Economic Prospects: Resource-Rich and Landlocked between Two Giants*. Asian Development Bank.

Selected Presentation and Project

- **COMPIE Conference, Paris (2026)**: Presented quantitative and geospatial methods and findings from the IFAD sustainability assessment in a formal 20-minute conference presentation.
- **Aral Sea visualization capstone (2026)**: Built and deployed an interactive R-based visual narrative on environmental change using ggplot2, Shiny, and flexdashboard. [Live demo](#).

Methods and Technical Skills

Methods: Regression and panel-data analysis; instrumental variables; Difference-in-Differences; Synthetic Difference-in-Differences; randomized-evaluation analysis and balance tests; principal component analysis; index construction; robustness testing.

Programming and analysis: R and Stata (advanced); Python and SQL (intermediate); Excel (advanced).

Geospatial, survey, and visualization: QGIS; Google Earth Engine; MODIS; GADM; OpenStreetMap; SurveyCTO; KoBoToolbox; SurveyMonkey; Power BI; Tableau; Shiny; flexdashboard; ggplot2.

Research workflows: Questionnaire development; high-frequency checks; reproducible data cleaning; evidence synthesis; reporting; LaTeX/Overleaf; basic Git/GitHub.

Selected Credentials

Data Visualization & Dashboarding with R Specialization, Johns Hopkins University (2026) • Google Advanced Data Analytics Professional Certificate (2024) • Protecting Human Research Participants training (2026) • PAGE Green Industry Summer School, UNIDO and PAGE (2022)

Languages

Mongolian (native) • English (fluent) • German (A2)

Last updated: August 2026