

Gregor Herda

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E-mail: gregorherda@gmail.com / Herda-G@ulster.ac.uk – **Websites:** gregorhd.github.io / github.com/gregorhd

International experience: German national - resided in China (4.5 yrs.), Ireland (4 yrs.), Kenya (2.75 yrs.), India (8 mos.)

GIS – Infrastructure – Urban Planning – Green & Social Housing – Public Financial Management

Brings a multi-disciplinary, detail-oriented perspective to geospatial analysis, infrastructure and urban development

Professional Experience

03.2021 – 06.2021 World Bank Group/IFC – Headquarters (Washington, D.C.) and Nigeria Country Office (Abuja)
Consultant (home-based)

- Developed a Lagos/Nigeria solid waste management sector brief and firm ToR incl. database design

11.2019 – 09.2020 Asian Infrastructure Investment Bank (AIIB) – Beijing, China
Investment Operations Specialist (Urban WASH, Housing, Transport and Solid Waste Management)

- Lead and co-lead urban infrastructure projects in South and South-East Asia, e.g. as:
 - Project team leader: Andhra Pradesh Urban Water Supply and Septage Management Improvement Project (USD400 m, implementation, providing WASH infrastructure for 50 towns)
 - Project team leader: Colombo Urban Regeneration Project (USD200 m, implementation phase: construction of social housing for 5,500 households and PPP land redevelopment)
 - Back-up team leader: Mumbai Urban Transport Project 3 (USD500 m, implementation phase, covering track extension, trespass control, station development, and technical assistance)
 - Back-up team leader: Mumbai Urban Transport Project 3A-1 (USD500 m, preparation, covering communications-based train control (CBTC), station development, and technical assistance)

11.2017 - 11.2019 Asian Infrastructure Investment Bank (AIIB) – Beijing, China
Young Professional

- Prepared and implemented projects covering low-income housing, Bus Rapid Transit; light rail; multi-sectoral urban, rural, and tourism infrastructure; solid waste management; and building retrofits in Central, South, and South East Asia with wide-ranging responsibilities including:
 - evaluating project alignment with local, regional and national development plans;
 - due diligence and drafting of project documents during all stages of the project cycle;
 - conducting economic and financial analyses of project proposals;
 - evaluation of technical designs, environmental and social safeguards, procurement and implementation arrangements, results frameworks, and counterparty integrity;
 - improvement of project design, including through independent engagement with clients;
 - managing individual consultants and consulting firms;
- Supported the Risk Management Department's compliance work on Know Your Counterparty (KYC), Anti-Money-Laundering, and Countering the Financing of Terrorism (AML/CFT).

03.2017 – 10.2017 UN-Habitat, Regional Office for Asia and the Pacific – New Delhi, India
Regional Housing Advisor for UN-Habitat India, Sri Lanka, and Afghanistan Country Offices

- Coordinated India's draft *National Urban Housing and Habitat Policy 2017* and, *inter alia*, lead a National Housing Programme proposal for Afghanistan all in close collaboration with line ministries.

11.2014 – 03.2017 UN-Habitat, Housing and Slum Upgrading Branch, Housing Unit – Nairobi, Kenya
Consultant, Sustainable Housing

- Prepared, and participated in, global fora (e.g. COP21-23, Habitat III/New Urban Agenda, WSBE)
- Housing Lead for the 10YFP Sustainable Building and Construction program, coordinator for the Global Network for Sustainable Housing, and lead for development of SDG Target 11.c metadata
- Advised on national housing policies and housing sector profiles for several Sub-Saharan African countries as well as Afghanistan.
- Advised for the "[Mainstreaming Sustainable Social Housing in India](#)" project

06.2014 – 10.2014 UN-Habitat, Housing and Slum Upgrading Branch, Housing Unit – Nairobi, Kenya
Intern, Sustainable Housing

09.2008 – 09.2012 2 years each working as a lecturer/interpreter in Taiyuan, China, and translator in Cork, Ireland

Education

09.2020 – 09.2021	Master of Science in Geographic Information Systems Ulster University, United Kingdom <ul style="list-style-type: none"> ▪ Modules: Principles of GIS*, Spatial Data Management*, Introduction to Remote Sensing*, GIS Databases*, Spatial Analysis and Modeling*, Web-based GIS*, GIS for Environmental Management*, Programming for GIS and Remote Sensing* (* Completed with Distinction) ▪ MSc Thesis Topic: <i>“Python for Smarter Cities: Comparison of Python libraries for static and interactive visualisations of large vector data”</i>
09.2019	Fitch-led Credit and Investment Program, Asian Infrastructure Investment Bank <ul style="list-style-type: none"> ▪ Modules: Financial Statement Analysis, Sovereign and Country Risk, Corporate Credit Analysis, Corporate Rating Methodology, Financial Modeling
08.2016 – 12.2018	Post-Graduate Diploma in Public Financial Management (ACCA-endorsed) Centre for Financial and Management Studies, SOAS, University of London, United Kingdom <ul style="list-style-type: none"> ▪ Modules: Revenue (<i>tax policy and administration, local revenues, budget deficits and national debt, foreign aid</i>); Privatisation and Public-Private Partnerships; Planning and Performance (<i>budgeting, costing, budget execution, accounting & reporting, performance monitoring</i>); International Public Sector Accounting Standards (IPSAS)
11.2015	Post-Graduate Diploma in Developing Social Housing Projects Institute for Housing and Urban Development Studies (IHS), Erasmus University Rotterdam <ul style="list-style-type: none"> ▪ Modules: Housing needs assessments; housing design and human settlements planning; social housing policy and programmes; finance, management and maintenance of social housing, including subsidies and PPPs, performance contracting, and institution building; land economics
09.2012 – 05.2014	Masters in Planning and Sustainable Development (MPlan) (RTPI-accredited) Centre for Planning Education and Research (CPER), University College Cork, Ireland <ul style="list-style-type: none"> ▪ Awards and Results: Full Taught Masters Scholarship; Second Class Honours, Grade 1 ▪ Modules (<i>inter alia</i>): Housing, Social Change and Community Needs; Plan-making and Forward Planning Skills; Spatial Planning for Cities and Regions; Drawing, Spatial Data and Observation Skills; Urban Design; Property, Sustainable Growth and Enterprise
2005 – 2008	Bachelor of Arts in Chinese Studies (Sinology) and English Studies Ruhr-Universität Bochum – Bochum, Germany <ul style="list-style-type: none"> ▪ Results: First Class Honours

Complementary Education

Computer Skills	Microsoft Office 365 – QGIS, ArcGIS Pro – Python (analysis and visualisations, profile on GitHub) – PostgreSQL, PostGIS – GeoServer, OpenLayers – ERDAS IMAGINE/Google Earth Engine – JASP/SPSS
Languages	German: Native; English: Native speaker equivalent; Chinese: HSK Grade Level 7; French: Basic

Publications

2014	Dwyer, B. and Herda, G. (2014) ‘Can the planning system assist in promoting the uptake of CHP in residential or commercial developments in Ireland?’. <i>Pleanáil: Journal of the Irish Planning Institute</i> , Issue 20, Winter 2014.
2017	UN-Habitat (2017) Building Sustainability Assessment and Benchmarking . [Lead author]
2017	Herda, G., Sangori, R. and Bock, M.C.D. (2017) ‘ Low cost, low carbon, but no data: Kenya’s struggle to develop the availability of performance data for building products ’.
2017	Herda et al. (2017) Sustainable social housing in India: definition, challenges and opportunities .

Referees

Professional

Professional

Professional

Academic

Contact details for references are provided upon request.