HYEJIN KIM

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I am a researcher and practitioner with keen interests in biodiversity conservation, sustainable development, conservation evidence, and transformative change. I have trans- and inter-disciplinary training background in social sciences, policy research and analysis, scenarios modelling, data visualization, and information communication across the regional scale. I have research experience in monitoring the implementation of global goals at multinational and subnational levels and promoting data-driven policy and financial planning. I have coordination experience in organizational reform, stakeholder engagement and institutional mobilization. I enjoy fostering dialogue among scientists, policy makers and local practitioners through co-developing conceptual models and implementation plans for decision support. In my leisure, I travel with my animals exploring serene nature and learning how science, technology and policy shape human history and culture.

EDUCATION

MARTIN LUTHER UNIVERSITY HALLE-WITTENBERG　　　　　　　　　Halle & Leipzig, Germany
Doctorate in Biology, Biodiversity Conservation (*magna cum laude*)　　　June 2022
Advisor Prof. Henrique M. Pereira
iDiv German Centre for Integrative Biodiversity Research, Biodiversity Conservation Group
Courses: Integrative Biodiversity Science; Biodiversity and Niche Theory; Ecological Network and Coexistence; Biodiversity Conservation; Agent-based Modelling; Spatial Analysis and Modelling; Spatial Ecology; Mapping Ecosystem Services; Science Policy Interface; Structuring Nature (MPI History of Science), Teaching in Higher Education, Land Use and Ecosystem Change (KIT)

HARVARD UNIVERSITY　　　　　　　　　　　　　　　　　　　　　Cambridge, MA, USA
Master of Education, International Education Policy (*3.44/4.00 GPA*)　　　June 2006
Advisor: Prof. Thomas Cassidy
Courses: International Education Policy; Education Reform; Civil Society and Development; Education Policy Analysis and Research; Models for Policy Analysis and Planning; Education Management, Planning and Evaluation; Microeconomics for Educators; Applied Regression and Data Analysis; Econometrics for Program Evaluation

UNIVERSITY OF NOTRE DAME　　　　　　　　　　　　　　　　　　Notre Dame, IN, USA
Bachelor of Arts, Anthropology & Sociology (*cum laude*)　　　　　　　May 2004
Advisor: Prof. Daniel J. Myers
Courses: statistics for social research; development of theory in anthropology, sociology, and theology; research methods; inter-analysis of collective contention (National Science Foundation funded research); courses in pre-medicine, sociology, socio-cultural anthropology, philosophy, world religion, and conflict resolution and peace

FELLOWSHIP & SECONDMENT

MARTIN LUTHER UNIVERSITY HALLE-WITTENBERG BIODIVFUND　　Halle & Leipzig, Germany
GERMAN CENTRE FOR INTEGRATIVE BIODIVERSITY RESEARCH (IDIV)　Jan - Sept 2022
Postdoctoral research fellow
- Developing multidimensional index for biodiversity to support the design, implementation and evaluation of multi-scale policy frameworks – CBD Post-2020 Global Biodiversity Framework, EU Biodiversity Strategy, German Biodiversity Strategy – and their complementing policies in Saxony-Anhalt with government agencies and scientific communities (Project name: MDI4B).

INTERGOVERNMENTAL PLATFORM ON BIODIVERSITY AND ECOSYSTEM SERVICES Bonn, Germany
Fellow on development of scenarios on nature and its contributions to people　　Mar 2019 - Aug 2023
- Contribute to the development of biodiversity-centric Nature Futures scenarios in collaboration with the expert group on scenarios and models, IPBES assessments, and partnering institutes and stakeholders.

YALE UNIVERSITY, Jetz Lab & Map of Life　　　　　　　　　　　　New Haven, USA
IPBES Technical Support Unit Secondment to Knowledge and Data Task Force　Oct – Dec 2016
- Collected and pre-processed data from indicator custodian agencies with factsheets, and developed R codes to produce standardized sets of trend and status graphs at the global, IPBES regional, subregional and country level on 30 core indicators for the IPBES assessments (45 highlighted indicators only with factsheets).
- Coordinated communication across the Indicators Task Group, IPBES Secretariat, and indicator agencies.
- Pre-secondment training at GEO BON (3 weeks, June-July 2016) and UNEP-WCMC (2 weeks, August 2016).

KNOWLEDGE & SKILLS

Areas: biodiversity science; sustainable development; global governance; policy research, analysis and planning; systems dynamics, mental model and conceptual mapping; model building and forecasting; data visualization and knowledge transformation; monitoring and evaluation; project planning, organization and management; historical trend analysis and future projections across scale using census, administrative, and household surveys; culture and institutionalization of international development; institutional gap and needs analysis; information communication
Computer: MS Office Word, Excel and PowerPoint, R, ArcGIS, QGIS, Visual Basic/Macro, SQL, Vensim, HTML
Language: English (fluent), Korean (native), German (basic), Spanish (basic)

RESEARCH & WORK EXPERIENCE

UK CENTRE FOR ECOLOGY AND HYDROLOGY   Lancaster, UK
Senior Scenario Developer   Nov 2022 to present
- EU Horizon Europe funded project BIONEXT (biodiversity and people positive futures visioning and modelling) focusing biodiversity nexus and transformative change
- UKRI funded project INCAF contribute to the development of biodiversity scenarios with the central banks
- NC International funded project Korean Nature Futures developing a novel approach to social-ecological-economic pathway analyses and a framework for people-biodiversity-climate feedbacks modelling
- Develop new scenarios globally using the IPBES Nature Futuers Framework with various stakeholder groups

GERMAN CENTRE FOR INTEGRATIVE BIODIVERSITY RESEARCH (iDiv)   Leipzig, Germany
Doctoral Researcher, Biodiversity Conservation Group   May 2017 to Dec 2021
- Pursued in a Ph.D. on nature-centered, multi-scale, and cross-sectoral scenarios "Nature Futures" for biodiversity conservation policies and practice through participatory stakeholder engagement and scientific community mobilization with IPBES and GEOBON
- Studied the role of biodiversity and ecosystems science in conservation across scale, review scenarios and models developed to date, and coordinated and analyzed results of comparative and complementary modelling on biodiversity and nature's contributions to people with scientific communities.
- Monitored the conservation landscape to assess the uses and needs of scenarios-based information, facilitated stakeholder consultations, and co-developed scenario and modelling framework with IPBES.
- Actively participated in discussion and development of science-policy collaboration at local, national, regional and global scale as a member of GEOBON Policy Taskforce & iDiv Science Policy Committee.

GROUP ON EARTH OBSERVATIONS BIODIVERSITY OBSERVATION NETWORK   Leipzig, Germany
Member of the Secretariat   June 2017 to Oct 2020
- Supported the implementation of GEOBON's work plan, and co-organize and facilitate conferences and workshops.
- Coordinated the Essential Biodiversity Variables 2020 (EBV2020) Initiative which showcases the use of EBVs and EESVs from global to sub-global levels integrating in situ and remote sensing observations to generate policy-relevant data products, organized two hybrid workshops and three virtual conference sessions.
- Represented GEOBON at science policy fora (e.g., CBD) and co-developed documents and interventions

NATIONAL INSTITUTE OF ECOLOGY   Seocheon, Korea
Research Fellow, Department of Consilience Research   Jan 2015–Mar 2017
Indicators Task Group Coordinator, TSU for IPBES Knowledge and Data Task Force
- Monitored the activities of international conventions and initiatives, including the United Nations Convention on Biological Diversity (CBD) and Sustainable Development Goals (SDG).
- Researched on biodiversity, ecosystem services, and science-policy interfaces to facilitate the operation of the Knowledge and Data Task Force in IPBES
- Coordinated the Indicators Task Group to integrate a standard set of indicators across IPBES assessments through the review selection of indicators via expert consultation, procedure establishment and endorsement by the Plenary, resource mobilization and institutional collaboration with partner institutes
- Liaised and collaborate with IPBES Secretariat, Task Forces, Expert Groups, Technical Support Units, and strategic partner organizations to implement IPBES work programme.
- Drafted meeting documents and reports and facilitate plenaries, expert group meetings and workshops.

STATISTICS KOREA, Statistical Research Institute   Daejeon, Korea
Research Contractor, Trend Analysis Unit   Feb – Aug 2014
- Conducted research on best practices of e-census systems around the globe to suggest improved designs of questionnaires and internet interface to enhance response rates and data quality for upcoming Census 2015.

SAN JAYEON ALTERNATIVE SCHOOL — Yeongcheon, Korea
Primary School Coordinator and Integrative Education Teacher — May - Dec 2013
- Supported independent establishment of primary school with government appropriation of secondary school
- Coordinated teachers in preparing, organizing, operating, evaluating and improving primary school programs and courses to create effective teaching and learning environment and school community.

UNESCO, *Education for All Global Monitoring Report* — Paris, France
Research Consultant — Mar 2012-Feb 2013
- Managed data and visuals for the thematic part of *EFA Global Monitoring Report 2012: Youth, Skills & Work.*
- Conducted data analyses, developed methodologies for estimates, and presented results and findings.
- Proofread, checked data accuracy, and fine-tuned graphs to finalize the *EFA Global Monitoring Report 2012*.
- Conducted literature review and identified commission studies for the *EFA Global Monitoring Report 2013*.
- Consulted on internal data management and data validity systems of GMR's publications and databases.

EDUCATION POLICY AND DATA CENTER — Washington, D.C., USA
Research and Technical Officer (Research Associate, 2006-2008) — Aug 2006 – May 2012
- Conducted multi-national research analysis commissioned by the World Bank, UNESCO, USAID and other donor agencies and private foundations by reviewing and organizing background information, surveying, compiling, analyzing and visualizing data in the context of project focus, and writing reports on findings.
- Customized education projection models and produced country profiles based on scenarios set with different policy interventions for education resource planning in communication with clients and partners.
- Managed ongoing development of EPDC's education projection models and data visualization tools—*EdPop, DemoEd, ProEnrol, ProjecTrend, HIPE*—by designing layouts, programming in Excel, VBA and SQL, ensuring data quality, running simulations, calibrating models and producing reports on a series of countries.
- Developed country and donor profiles that present current status of education, national education priorities, strategies and goals of multilateral and bilateral donor agencies and private foundations, disbursed and forecasted official and non-official development assistance data, and operating projects by donor, presenting information and visualizing data in an easy-to-understand way to identify opportunities for assistance.
- Developed extraction .do files for large household survey datasets—DHS, MICS, LSMS, etc.—checked data reliability, consistency and quality and conducted analysis, using statistical analysis software STATA.
- Wrote user-guides on EPDC's tools including projection models and various web-based features.
- Disseminated and trained on the use of EPDC's resources including the website, education data and data visualization tools for research and project planning, mainly to officers at FHI 360 and USAID.
- Publicized EPDC and its resources by producing and disseminating EPDC newsletters and organizing and conducting EPDC information workshops at international education conferences.
- Managed the EPDC website by coordinating the communication across EPDC and web engineers.
- Reviewed, commented, proofread, edited and published EPDC publications with FHI360's Design Team.

HARVARD UNIVERSITY, **Office of the Provost** — Cambridge, MA, USA
Program Management, **New England Higher Education Recruitment Consortium** — Spring 2006
- Developed and implemented membership fee structure using financial modeling in Excel.

AMERICAN FEDERATION OF TEACHERS — Washington, D.C., USA
Research Intern, **International Affairs & Educational Issues Departments** — Sep 2004 – Jun 2005
- Attended education forums and wrote policy memos and articles on U.S. and global education issues.
- Conducted research, collected resources, and produced teacher's resource guide <u>AIDS Epidemic in Africa.</u>
- Assisted in coordinating the AFT's biannual conference *The QuEST* (Washington, DC) and a U.S.-Russia teacher training conference *Civics Mosaic* on comparative civic education (Philadelphia, PA).

CHICAGO FIELD MUSEUM, **Department of Anthropology** — Chicago, IL, USA
Summer Intern, New Acquisition Management — Summer 2004
- Developed a database and an archive for 500 McCllelan Native American artifacts from Yukon territories.

UNIVERSITY OF NOTRE DAME — Notre Dame, IN. USA
Research and Data Analyst, **Department of Sociology** — Sep 2002 - May 2004
- Designed and conducted qualitative research based on literature review and interviews for undergraduate thesis "Class, Culture and Conflict: African American-Korean American Conflict in South Central Los Angeles", funded by the National Science Foundation

Research and Data Analyst, **Department of Anthropology** — Sep 2003 - May 2004
- Compiled data and conducted quantitative analysis in writing a research paper "The Vertical Space Use and Social Interactions of the long-tailed monkey *Macaca fascicularis* at Padangtegal, Ubud, Bali, Indonesia"

CERTIFICATES

Ecosystem Services Partnership (ESP)   May 2015
Mainstreaming of Ecosystem Services for Biodiversity Conservation (intensive course and leadership training)

PUBLICATIONS

- "Visioning ecologically diverse and harmonious futures of Korea in *Good Anthropocene"* by HyeJin Kim et al. (In prep.)
- "Performance of terrestrial protected areas under the Nature Futures prism" by HyeJin Kim et al. (in prep.)
- "Integrated Modeling of Nature's Role in Human Wellbeing: A Research Agenda" by Rebecca Chaplin-Kramer et al. (in review). https://dx.doi.org/10.2139/ssrn.4678389
- "Understanding the role of biodiversity in the climate, food, water, energy, transport and health nexus in Europe" by HyeJin Kim et al. (in review). https://doi.org/10.31223/X5W10T
- "Essential variables for conservation post-2020 policy development and implementation" by HyeJin Kim et al. (in review). https://doi.org/10.32942/X2130Z
- "A degrowth scenario for biodiversity? Some methodological avenues and a call for collaboration" by Iago Otero et al. (In review). https://doi.org/10.31235/osf.io/fcvpd
- "Global trends in biodiversity and ecosystem service from 1900-2070" by Henrique M. Pereira et al. (In review). https://doi.org/10.1101/2020.04.14.031716
- Ch. 2 Conceptualizing the sustainable use of wild species and Ch 5. Future scenarios of sustainable use of wild species. In: IPBES Assessment Report on Sustainable Use of Wild Species. https://www.ipbes.net/sustainable-use-assessment (contributing author)
- "Bringing the Nature Futures Framework to life: Creating a set of illustrative narratives of nature futures" by Paz Duran et al. 2023. https://doi.org/10.1007/s11625-023-01316-1
- "Modeling desirable futures at local scale by combining Nature Futures Framework and multi-objective optimization" by Chihiro Haga et al. 2023. https://doi.org/10.1007/s11625-023-01301-8
- "Towards a better future for biodiversity and people: modelling Nature Futures" by HyeJin Kim et al. 2023. https://doi.org/10.1016/j.gloenvcha.2023.102681
- "Nature futures for the urban century: Integrating multiple values into urban management" by Andressa Mansur et al. *Environmental Science and Policy.* 2022. https://doi.org/10.1016/j.envsci.2022.01.013
- "Biodiversity post-2020: Closing the gap between global targets and national-level implementation. Andrea Perino et al. *Conservation Letters.* 2021. https://doi.org/10.1111/conl.12848
- "Emerging response options and scenarios of slow onset events related to climate change in Southeast Asia." Margaret Matias et al. *Current Opinion in Environmental Sustainability, 50, 175-184.* 2021. https://doi.org/10.1016/j.cosust.2021.04.004
- "Developing multi-scale and integrative nature-people scenarios: the IPBES Nature Futures framework." by Laura Pereira et al. 2020. https://besjournals.onlinelibrary.wiley.com/doi/full/10.1002/pan3.10146
- "Conservation goals in international policies" by Aletta Bonn et al., a book chapter in Conservation Research, Policy and Practice by William Sutherland et al. Cambridge University Press. April 2020. https://doi.org/10.1017/9781108638210.015
- Ch 4. Plausible futures of nature, its contributions to people and their good quality of life. In: IPBES Global Assessment on Biodiversity and Ecosystem Services. https://ipbes.net/global-assessment(contributing author)
- "Challenges in producing policy-relevant global scenarios of biodiversity and ecosystem services". *Global Ecology and Conservation,* vol. 22. 2019. https://doi.org/10.1016/j.gecco.2019.e00886
- "A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios". *Geoscientific Model Development*, 11, 4537-4562. 2018. https://doi.org/10.5194/gmd-11-4537-2018.
- "Monitoring biodiversity change through effective global coordination". *Current Opinion in Environmental Sustainability*, 29, 158–169. 2017. https://doi.org/10.1016/j.cosust.2018.02.005.
- "Multiscale scenarios for nature futures". *Nature Ecology and Evolution.* 1 (10), 1416 – 1419. 2017. https://doi.org/10.1038/s41559-017-0273-9.
- "The Biodiversity Informatics Landscape: Elements, Connections and Opportunities". *Research Ideas and Outcomes*, 3, e14059. 2017. https://doi.org/10.3897/rio.3.e14059.

- "Viewing the reconstruction of primary schooling in Southern Sudan through education data, 2006–2009". *PROSPECTS*, 41(2), 283–300. 2011. https://doi.org/10.1007/s11125-011-9189-3.
- "Class, Culture and Conflict: African American-Korean American Conflict in South Central Los Angeles". Summer 2005. University of Notre Dame. [undergraduate thesis]

REVIEW ACTIVITIES

Journals: *Conservation Biology, Environmental Science and Policy, Sustainability Science, Current Biology, One Earth, Ecology and Society*
Funders: German Ministry of Science and Research (BMBF)
Agencies: Network for Greening the Financial System (NGFS), European Central Bank (ECB)

INVITED TALKS & CONFERENCE PRESENTATIONS

- "The biodiversity nexus across multiple drivers: research and modelling landscape." Modellers Workshop for OECD Environmental Outlook. Paris, France. 19 February 2024.
- "Essential Biodiversity Variables and Essential Ecosystem Services Variables for post-2020 policy development and implementation." GEO BON Global Conference: Monitoring Biodiversity for Action. Montreal, Canada.10 Oct 2023.
- "NGFS Taskforce Scenarios on Nature - linking narratives to modelling." NGFS Task Force Nature Workshop on Nature-related Scenarios. Virtual. 26 June 2023.
- "Towards a better future for biodiversity and people: developing Nature Futures scenarios." NGFS-INSPIRE-GRASFI Webinar. Virtual. 28 April 2023.
- "Towards a better future for biodiversity and people: developing Nature Futures scenarios." OECD-INSPIRE workshop: Assessing biodiversity-related risks, impacts and dependencies in the financial sector. Paris, France. 4 April 2023.
- "Towards a better future for biodiversity and people: Developing Nature Futures Scenarios." Fifth Science-Policy Forum for Biodiversity and the Eighth International Conference on Sustainability Science. CBD Fifteenth Conference of Party. Montreal, Canada. 12 December 2022.
- "Towards a better future for biodiversity and people: Developing Nature Futures Scenarios." KAIST Anthropocene Centre, KAIST Science and Technology Policy, Pusan University IBS, Ewha University Ecoscience, Korean Environmental Institute, National Institute of Ecology. September 2022.
- Introduction presentation to Session "Challenges and Opportunities with using the IPBES Nature Futures Framework in Scenarios and Modelling." 2nd World Biodiversity Forum. 1 July 2022. Davos, Switzerland
- "Towards a better future for biodiversity and people: developing Nature Futures scenarios." Seminar to Biodiversity and Natural Resources Group at IIASA. 24 June 2022. Laxenburg, Austria.
- Introduction presentation to Session "Catalyzing climate and biodiversity coupled scenarios for assessment and policy." 2nd Scenarios Forum. 22 June 2022. Laxenburg, Austria.
- "Towards a better future for biodiversity and people: modelling Nature Futures." On-site poster presentation. 2nd Scenarios Forum. June 2022. Laxenburg, Austria.
- "Global trends in biodiversity and ecosystem services from 1900 to 2050: an intercomparison of biodiversity and ecosystem services models using harmonized land-use (SSP) and climate (RCP) scenarios." Virtual poster presentation. 2nd Scenarios Forum. June 2022. Laxenburg, Austria.
- "Webinar on the Biodiversity and Ecosystem Services Scenarios-based Model Intercomparison (BES-SIM) exercise." IPBES Capacity Building Webinars. April 2022. Virtual.
- "Enhancing Data Interoperability through Essential Variables and Biodiversity Observation Networks." Sixth Expert Forum of the UN System of Environmental Economic Accounting. December 2021. Virtual.
- "Enhancing the role of biodiversity scenarios in policy development and implementation for sustainable and positive futures: Connecting and interweaving multiscale perspectives and processes." Biodiversa BiodivScen Interim Conference. October 2021. Virtual.
- "External Review of the Nature Futures Framework." A webinar for the Social Science and Humanities Stakeholder Network of IPBES ONet. October 2021. Virtual.
- "Enhancing policy relevance of modelling and indicators through framework and data connectivity and cyberinfrastructure: recent developments in biodiversity and ecosystem services from IPBES and GEOBON." GLASSNET Workshop on Cyberinfrastructure. September 2021. Virtual.

- "Role of indicators in modelling scenarios using the Nature Futures Framework Part II: Potential role of Essential Biodiversity Variables and Essential Ecosystem Services Variables". IPBES workshop on modelling Nature Futures scenarios. January 2021. Virtual.
- "Nature Futures scenarios and modelling & the role of SSH scholars". IPBES Social Science and Humanities (SSH) Community of Practice Seminar. November 2020. Virtual.
- "Linking data and indicators with the SEEA EA – An overview of GEOBON EBV & EESV framework". Virtual Expert Forum on SEEA Experimental Ecosystem Accounting 2020. November 2020. Virtual.
- "EBVs-based analysis using the Intervention-Nature-Benefit framework for CBD Post-2020 Global Biodiversity Framework". GEOBON EBV2020 2nd Workshop. Feb. 2020. Leipzig, Germany.
- "Nature Futures, and the relevance of Essential Biodiversity of Variables (EBVs)." GEOBON EBV2020 1st Workshop. Oct. 2019. Washington, D.C., U.S.A.
- "Re-viewing the Concept of Biodiversity and Nature's Contributions to People." Structuring Nature: An Interdisciplinary and Intercultural Summer School. Aug. 2019. Berlin, Germany.
- "Integrated modelling for multi-scale nature futures" 2019 iDiv Conference. Aug. 2019. Leipzig, Germany.
- "Enhancing biodiversity conservation through the use of scenarios and models in informing societal decisions"
  - 2018 iDiv Annual Conference. December 2018. Leipzig, Germany
  - 2018 Student Conference on Conservation Science Europe. September 2018. Tihany, Hungary.
- "Shared Socio-economic Pathways on Biodiversity and Ecosystem Services for IPBES Global Assessment"
  - UN Convention on Biological Diversity SBSTTA22. July 2018. Montreal, Canada.
- "Nature Futures: IPBES multi-scale, multi-sectoral visions for biodiversity conservation"
  - 2017 iDiv Annual Conference. December 2017. Leipzig, Germany
- "Current use and future needs of scenarios and models"
  - Workshop on Biodiversity and Ecosystem Services Scenarios for IPBES using the Shared Socio-economic Pathways. October 2017. Leipzig, Germany
- "IPBES Knowledge and Data Task Force presentation"
  - Workshop scenarios and modelling for IPBES assessments. January 2016. Bilthoven, The Netherlands.
  - First authors' meeting for the regional assessment on biodiversity and ecosystem services for Europe and Central Asia. September 2015. Engelberg, Switzerland.
- "Developing a visual and user-interactive interface to make models more intuitive."
  - 2011 Comparative International Education Society Conference. May 2011. Montreal, Canada.
- "Seeing the reconstruction of primary education in Southern Sudan through EMIS 2006-2009."
  - 2011 Comparative International Education Society Conference. May 2011. Montreal, Canada.
- "High-level Interactive Projections for Education (HIPE) Model."
  - 2009 Comparative International Education Society Conference. March 2009. Charleston, SC.
- Education Policy and Data Center Information Workshop.
  - 2008 Comparative International Education Society Annual Conference. January 2008. New York City, NY.
  - 2007 World Congress of Comparative Education Society. Sept. 2007. Sarajevo, Bosnia and Herzegovina.
- "Institutionalizing Utilization-focused Approaches to Evaluation in Non-Governmental Organizations (NGOs): Creating a Culture of Evaluation."
  - 2007 American Evaluation Association Conference. November 2007. Baltimore MD.
- "Excel Projection Model of Increased Qualified Teachers in Albanian Primary and Secondary Schools."
  - 2007 World Congress of Comparative Education Society. Sept. 2007. Sarajevo, Bosnia and Herzegovina.
  - 2006 Harvard University Student Research Conference/International Forum. Feb. 2006. Cambridge, MA.
- "Class, Culture and Conflict: African American-Korean American Conflict in South Central Los Angeles."
  - 100th American Sociological Association Annual Conference. August 2005. Philadelphia PA.
  - 80th Annual North Central Sociological Association Conference. April 2005. Pittsburgh PA.
  - 2005 Midwest Sociological Society Annual Conference. April 2005. Minneapolis MN.
- "The Vertical Space Use and Social Interactions of the *Macaca fascicularis* at Padangtegal, Ubud, Bali, Indonesia"
  - 2004 First Annual Anthropology Undergraduate Research Exposition. April 2004. Notre Dame IN.

AWARDS & GRANTS (Total c.a. €374,000)

Mar 2024	UKCEH National Capability International for Global Challenge - Koerean Nature Futures (£55,580)
Aug 2023	European Space Agency early career grant for 2023 GEO BON Conference (£1,000)
May 2022	iDiv Female Scientist Career Fund (for World Biodiversity Forum 2022) (€1,550)
2022-2023	BioDivFund Postdoctoral Fellowship funded by Saxony-Anhalt State & Martin Luther University Halle-Wittenberg (c.a. €160,000)
Mar 2019	European Union Directorate-General CLIMA Climate Change Modelling Information Expert Support Fund (for Denver Scenarios Forum 2019) (€1,000)
Nov 2018	iDiv Female Scientist Career Fund (for CBD COP14) (€1,500)
Sept 2018	Student Conference on Conservation Science (SCCS) bursary (for SCCS Europe 2018)
Dec 2017	iDiv Science Policy Committee Shadowing Program Fund (for CBD SBSTTA21) (€2,000)
Spring 2016	Korean Advanced Institute of Science and Technology STP Scholarship (KRW 5,511,000)
2005-2006	Harvard Graduate School of Education Grant ($10,000)
August 2005	Joe Feagin Distinguished Undergrad. Student Paper Award, American Sociological Association
April 2005	Undergraduate Paper Competition First Place, North Central Sociological Association
April 2005	Undergraduate Paper Competition First Place, Midwest Sociological Society
May 2004	University of Notre Dame Best Sociology Essay Award
2002-2004	Research Experience for Undergraduate (REU) Grant, National Science Foundation ($3,600)
2002-2003	Undergraduate Research Opportunity Program (UROP) Grant, University of Notre Dame ($1,500)
2000-2004	University of Notre Dame Scholarships and Grants (full tuition, c.a. $100,000)
May 2000	City of Torrance Outstanding Youth Coordinating Service "Ruth Cross" Award

LEADERSHIP & MEMBERSHIP

ECB Climate and Nature Risk Scenario, advisory group member	Since 2023
GEO BON Indicators Knowledge Hub, Policy Taskforce member	Since 2023, 2018
GLASSNET Local-Global-Local Analysis of Systems Sustainability, member	Since 2021
UN SEEA Indicators Working Group, member	Since 2020
NGFS Task Force on Nature Scenarios, external expert	2023
IPBES Scenarios and Models Taskforce, fellow	2019-2023
iDiv Science Policy Committee, member	2017-2022
iDiv Integrative Synthesis Club, co-founder and member	2018-2019
iDiv yDiv Integrative Biodiversity Science Course Taskforce, Ph.D. representative	2018-2019
Harvard HGSE International Development and Education Association (IDEA), co-founder	2005-2006
Harvard 2006 Student Research Conference/International Forum, proposal committee	2005-2006

COMMISSIONED STUDIES & TECHNICAL REPORTS

- Report on the workshop 'Global Modelling of Biodiversity and Ecosystem Services'. PBL Netherlands Environmental Assessment Agency Publication No. 3798, 58 pp. 2019. PBL, The Netherlands. Link to report
- Report on the Workshop "From visions to scenarios for nature and nature's contributions to people for the 21st century". PBL Netherlands Environmental Assessment Agency Publication No. 3756, 47 pp. 2019. PBL, The Netherlands. Link to report
- Report on the workshop "Next Steps in Developing Nature Futures." PBL Netherlands Environmental Assessment Agency Publication No. 3411, 27 pp. 2018. PBL, The Netherlands. Link to report
- Visions for nature and nature's contributions to people for the 21st century. NIWA Science and Technology Series Report No. 83, 123 pp. 2017. NIWA, New Zealand. Link to report
- Development of e-Questionnaire for 2015 Population and Household Census: results of the third pilot questionnaire using eye-tracking experiment and expert review. Spring 2015. Statistical Research Institute at Statistics Korea, Daejeon. [in Korean, available upon request]
- Gap Analysis: Education Information and Education Policy and Planning in Mozambique. May 2011. RTI/EdData II, Washington DC. Link to report
- Seeing the Reconstruction of Primary Education in Southern Sudan through EMIS 2006-2009. Background paper commissioned for the *EFA Global Monitoring Report 2011.* March 2011. UNESCO, Paris. Link to report
- Estimating the Cost of Achieving Education for All in Low-Income Countries. Background paper commissioned for the *EFA Global Monitoring Report 2010.* January 2010. UNESCO, Paris. Link to report

- Four Studies of Education Growth: Inequality by wealth, Age effects, Sub-national learning differentials, and Projections. Background paper commissioned for the *EFA Global Monitoring Report 2009*. October 2008. UNESCO, Paris. Link to report
- *Global Educational Trends 1975-2025: A Brief Review of Data on Ten Key Issues.* Publication commissioned by the USAID. December 2009. Academy for Educational Development. Washington DC. Link to report
- How (Well) is Education Measured in Household Surveys?: A comparative analysis of the education modules in 30 household surveys from 1996-2005. International Household Survey Network, IHSN Working Paper No. 002. April 2008. Link to report
- School Attendance and Enrolment: Global trends and projections. Background paper commissioned for the *EFA Global Monitoring Report 2008.* November 2007. UNESCO, Paris. Link to report

POLICY SUPPORT TOOLS

National education profile and country/donor profiling tool for EPDC/FHI360   Spring 2012
Development of an automatized profiling tool that visually presents country's education status with key education indicators, national education strategies and goals from the education sector plan, donors' financial disbursement and commitment, project descriptions of the past few years, to help identify country's needs and opportunities for assistance. https://www.epdc.org/taxonomy/term/90.html (education profiles only)

HIPE projection model for 2010-2015 milestones of WB GPE's M&E Results Framework   2010- 2011
Development of 2010-2015 milestones on education and finance indicators for the M&E Results Framework of World Bank Global Partnership for Education, including progressive trend-based cohort projections based on regression modeling of post-2000 education data for GPE's 81 endorsed and eligible countries, in collaboration with GPE Secretariat, documenting methodologies and developing data visualization and analysis tools.

Core education profiles for 19 countries for the USAID Asia and the Middle East Bureau   Winter 2010
Education profiles with school attendance, completion, education attainment, literacy and learning assessment data at national and sub-national levels with time-series DHS and MICS household survey data for USAID.

HIPE (High-level Interactive Projections for Education) model for Rwanda MOE   Winter 2010
User-friendly, visual and interactive population, student enrollment and completion, resource needs, and budget and cost projection tool with an education profile and a user-guide for Rwandan primary school system at the national level, developed for the Ministry of Education.

HIPE-GMR projection model for UNESCO *EFA Global Monitoring Report 2010*   2009- 2010
Developed a model to project financing gap in achieving Education for All by 2015 in 47 low-income countries, produced a user-guide and data documents with baseline, assumptions, targets, and projection results, commissioned by UNESCO Global Monitoring Report.

HIPE population and health cost projection model for USAID Africa Bureau   Winter 2009
HIPE model adapted for population and health cost projections comparing UN vs. user-set fertility rates for Sub-Saharan African countries, requested by USAID Africa Bureau.

HIPE pupil-teacher-cost projection model for USAID Africa and LAC Bureaus   2008
The beta version of HIPE model with pupil-teacher-cost projections on 200+ available countries, developed for high-level policymakers, requested by USAID Regional Bureaus.

Nigerian regional basic education profiles for USAID ENHANSE Project   2007
Developed six regional education profiles with Nigeria 2003 DHS EdData, comparing regional performance to the national average, with emphasis on parental perception on schooling and reasons for school attendance and absence. https://www.epdc.org/taxonomy/term/108.html

EdPop human capital projection model   2006
Transformed Excel spreadsheet model projecting human capital, using UN population data and education attainment from household survey data, into a more user-interactive and instructive tool.

REFERENCES

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