

Nfamara K Dampha, Ph.D.

1954 Buford Ave., Suite 325K, St. Paul, MN 55108

Nationality: Gambian and US Citizen, resident of Minnesota, USA

Cell: 6128143930 (WhatsApp)

Damph002@umn.edu | X(Twitter): @Dr_Dampha | LinkedIn: Dr. Nfamara K Dampha | Website: [webpage](#)

Education

- 2020 Ph.D. Climate Change Adaptation and Natural Capital Analysis (Cum Laude)**
USA, University of Minnesota, College of Food, Agricultural and Natural Resource Sciences
- Dissertation: *Ecosystem Services and Coastal Adaptation to Climate Change: An Interdisciplinary Science-Based Application in The Gambia*
 - Ph.D. minor in remote sensing and geographic information systems (GIS)
 - Committee: S. Polasky (advisor), B. Keeler, C. Gabriel, and D. Current
- 2017 Master's Degree in International Development Practice (MDP) (Cum-Laude)**
USA, University of Minnesota, Hubert H. Humphrey School of Public Affairs
- Graduate minor in science, technology, and environmental policy &
 - Graduate certificate in nonprofit governance and management
- 2012 Bachelor's Degree in International Development Studies (Cum-Laude),**
University of The Gambia, School of Humanities and Social Sciences
- Undergraduate minor in Psychology,

Brief Bio

Dr. Nfamara K Dampha, a Lead Scientist and Director of the Natural Capital Project (NatCap) at the University of Minnesota's Institute on the Environment (IonE) has over 15 years of professional, academic, and leadership experience collaborating with the World Bank, government institutions, universities, and nonprofits across the world.

Dr. Dampha's research focuses on the intersection of natural capital accounting, ecosystem service modeling, and climate change adaptation, including understanding and identifying policy-relevant solutions for addressing forced displacement, climate injustice, maladaptation, loss and damage, and climate financing gaps for strengthening community resilience and ensuring a just sustainable transition for all.

Dr. Dampha is committed to fortifying NatCap's partnership with stakeholders at local, regional, and global levels, aiming to advance natural capital accounting and ecosystem service valuation for informed decision-making towards a sustainable future for all.

He enjoys grassroots stakeholder engagement, GIS-based remote sensing applications, and representing The Gambia as a climate negotiator at the Conference of Parties to the United Nations Framework Convention on Climate Change (UNFCCC).

Professional Experience and Leadership

University of Minnesota - Twin Cities, USA

- 2022 - present** **Director**, Natural Capital Project (NatCap) and Lead Scientist, Institute on the Environment (IonE)
***Leadership:** As NatCap Director at IonE, my goal is to strengthen NatCap's partnership with local and international stakeholders to advance natural capital accounting and ecosystem service assessment and valuation to inform decision-making for building a sustainable future – in which people and the planet prosper together.*
***Research:** As Lead Scientist, I work on natural capital accounting, ecosystem service assessment, climate risk analysis, climate adaptation, equity, and sustainability-related questions*
- 2023 - present** Courtesy Affiliate Faculty, Humphrey School of Public Affairs & Department of Applied Economics
***Research:** Engage in guest lectures and stepping in to teach a class while instructors are on sabbatical*
- 2020-2022** **Postdoctoral Associate**, Department of Applied Economics, Johnson-Polasky Lab with Taylor Ricketts Lab
***Research:** worked on a Microsoft-funded project on investing in nature to mitigate integrated climate risk (working paper)*
- 2018-2020** **Instructor**, Osher Lifelong Learning Institute, funded by International Student and Scholar Services
***Teaching:** climate change science, policy, impacts, and response strategies*
- 2017-2020** **Ph.D. Graduate Research Assistant**, Department of Applied Economics
Research: climate change investment and discounting – what is the appropriate discount rate for sustainability projects?
- 2015-2017** **M.A. Graduate Research Assistant**, Humphrey School of Public Affairs
***Research:** curriculum development for the Master of Human Rights Program.*

University of Vermont – USA

- 2020-2022** **Postdoctoral Associate**, Gund Institute for Environment, Taylor Ricketts Lab
Research Project: worked on a Microsoft-funded project on investing in nature to mitigate integrated climate risk (working paper)

World Bank Group – Washington D.C. USA.

2020 - present **Senior Climate Change Consultant**, working with the Africa Environment, Natural Resources and Blue Economy and Urban Disaster Risk Management Global Practice Units
***Country experience:** Gambia, Burundi, Rwanda, Bangladesh, Nigeria*
***Projects:** Research, geospatial data analysis, team coordination, & investment project preparation, project supervision, grant and report writing.*

Working with the Government of The Gambia

2014-2015 **Director of Administrative and Human Resources**, National Disaster Management Agency (NDMA), Office of the Vice President
***Duties:** General administrative work and staff affairs, including hiring, training, promotions, and policy and project implementation*

2012-2014 **Assistant Secretary**, Ministry of Fisheries and Water Resources
***Duties:** General administrative work, staff affairs, report writing, and drafting of cabinet papers and memorandum of understanding between gov't and private actors.*

2012-2013 **Survey Enumerator**, The Gambia Bureau of Statistics (GBOS) and World Food Program (WFP)
Duties:

- o *First Gambia Demographic and Health Survey (DHS) (Feb. 2013-Apr. 2013)*
- o *The Gambia Food Security and Livelihood Assessment (FSA) (Jan. 2012)*

2012-2013 **Cadet Administrative Secretary**, Personnel Management Office, Office of the President,
***Duties:** General administrative work, staff affairs, report writing, and drafting of cabinet papers and memorandum of understanding between gov't and private actors.*

2011 **Presiding Officer, 2011 Presidential Election**, Independent Electoral Commission (IEC)
***Duties:** Leadership, ensuring a smooth voting process, counting of ballots, and report writing*

Professional Assignments and Memberships

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| 2023- present | Climate Change Negotiator , for the Government of The Gambia at the United Nations Framework Convention on Climate Change (UNFCCC) |
| 2023- present | Climate Change Negotiator for Least Developing Countries (LDC) focused on the Global Goal on Adaptation. |
| 2024- present | Climate Change Negotiator , African Group of Negotiators (AGN) focused on the Global Goal on Adaptation. |
| 2024- present | Climate Change Expert , Least Developing Countries Expert Group (LEG) under the UNFCCC |
| 2020-2020 | Lecturer: HELP-Gambia's Climate Lecture Series with Dr. Dampha Duties: <i>monthly open learning course focused on climate change, disaster risk reduction, and sustainability for undergrad students, public servants, and private, and civil society actors in The Gambia, organized by MAP-Gambia (Mitigation & Adaptation Project -Gambia).</i> |

Civil Society Leadership – The Gambia and USA

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| 2015 - present | Founder and Executive Director , Household Disaster Resilience Project (HELP-Gambia), a registered climate and environmental justice-focused organization in The Gambia. Duties: <i>Leadership, project planning and implementation, volunteer coordination, and mgt</i> |
| 2024- present | Board Member , Gambian Association in Minnesota, a registered 501c3, USA |
| 2022-2024 | President , Gambian Association in Minnesota, a registered 501c3, USA |
| 2018-2022 | Vice President , Gambian Association in Minnesota, a registered 501c3, USA |
| 2016-2018 | Secretary G. , Gambian Association in Minnesota, a registered 501c3, USA |
| 2016-2017 | Secretary General , Humphrey International Students Association, University of Minnesota. |
| 2007-2015 | Founder & President , Genieri Youths' Association for Education & Development (a registered Charity), The Gambia Duties: <i>Led women and youth empowerment projects (e.g., built a tailoring center at the village level)</i> |

Distinguished Academic and Professional Fellowships and Awards

- 2014- present **Mandela Washington Fellowship Award for President Obama Young African Leaders Initiative (YALI)**, *for my leadership in community-led initiatives with a focus on women and youth empowerment in The Gambia, hosted by the University of Minnesota, USA (June-to-Aug. 2014)*
- 2021 - 2022 **World Bank 2022 Vice President Unit (VPU) Team Award** to the **Disruptive KIDS Helpdesk: Facilitating Tech Innovation**. *Nfamara is recognized as a member of the KIDS team for enthusiastically supporting the GRID approach, through the offering of multi-sectoral spatial perspectives and innovative approaches for World Bank operational teams.*
- 2020 – 2021 World Bank Young Fellowship Program, funded by **UK Department for International Development (DFID), World Bank, and UNHCR** on *“Building the Evidence on Protracted Forced Displacement: A Multi-Stakeholder Partnership,” placed at the World Bank-UNHCR Joint Data Center in Copenhagen, Denmark*
- 2020 – 2021 **Two World Bank 2021 Vice President Unit (VPU) Year Awards** for **contributing to the work of the WB-UNHCR Joint Data Center (JDC) on Forced Displacement**. *These include my analytical research documentation on refugees, the environment, climate change, fragility in Rwanda and Bangladesh, and Integrating Forcibly Displaced Populations in COVID-19 surveys in Ethiopia.*
- 2019 – 2020 **Josef Mestenhauser Student Award for Excellence in Campus Internationalization**, *specifically for being an enthusiastic believer in diversity, inclusion, and equal opportunity for all on Campus, irrespective of any form of status at the University of Minnesota, USA*
- 2018 – 2019 **Graduate Scholarship Award for co-developing knowledge with those historically underrepresented partners** *(Gullah/ Geechee) in Nassau County, Florida, USA, hosted by The Create Initiative University of Minnesota, USA*
- 2015 – 2017 **Gerald Mullin Distinguished Graduate Fellowship Award for international peace and the solution to controversies between people** *hosted by the Humphrey School of Public Affairs, University of Minnesota, USA*
- 2015 – 2017 **Robert and Paula Barrie Graduate Fellowship Award for international trade, development, and public policy**, *hosted by the Humphrey School of Public Affairs, University of Minnesota, USA*

Journal Articles, High-level Reports, and other Peer-reviewed Products

1. **Dampha N.K.**, Salemi, C., & Polasky, S., (2022). Rohingya refugee camps and forest loss in Cox's Bazar, Bangladesh: an inquiry using remote sensing and econometric approaches: Published by World Bank Policy Research Working Paper Series.
2. **Dampha N.K.**, Salemi, C., Rapoport, W., Polasky, S., Egziabher, A.G. (2022). Climate resilience development in Rwanda: evaluating refugees and host populations' vulnerability to climate risks. Published by Oxford University's Forced Migration Review
3. Tall, A., **Dampha, N.K.**, Ndayiragije, N., Von Berg, M., Raina, L. and Manirambona, A. (2022). Tackling Climate Change, Land Degradation and Fragility: Diagnosing Drivers of Climate and Environmental Fragility in Burundi's Colline Landscapes - Towards a Multi-Sector Investment Plan to Scale up Climate Resilience (English). Published by World Bank Group Washington, D.C.
4. Tall, A., **Dampha, N.K.**, (2023). Burundi: Scaling up Climate Resilience in the Land of 3,000 Hills. Published on Africa Can End Poverty
5. Polasky, S. and **Dampha, N.K.**, (2021). Discounting and Global Environmental Change. Annual Review of Environment and Resources, Vol. 46, pp. 691-717, 2021, Available at SSRN: <http://dx.doi.org/10.1146/annurev-environ-020420-042100>
6. **Dampha N.K.** (2021). Change Detection (1985-2020): Projections on Land-use Land Cover, Carbon Storage, Sequestration, and Valuation in Southwestern Gambia. Published by Journal of Sustainable Environment Volume 7 Issue 1
7. **Dampha N.K.** (2020). Ecosystem Services and Coastal Adaptation to Climate Change: An Interdisciplinary Science-Based Application in The Gambia (*Ph.D. Dissertation published by ProQuest Dissertations Publishing*)
8. Huff A., Gordon C., Hartmann H., Bartell S.E., Ansah E., Yan T., Li B., **Dampha N.K.**, Edmiston P.L., Novak P.J., Heiko L. Schoenfuss H.L. (2022): Contaminants of Emerging Concern in the Lower Volta River, Ghana, West Africa: The Agriculture, Aquaculture, and Urban Development Nexus. Published by the Journal of Environmental Toxicology and Chemistry
9. Wieser, C., **Nfamara, N.K.**, Alemayehu, A.A., Haile, T.A., Kasidi, M.H., Jeffery, T. (2020). Monitoring COVID-19 Impact on Refugees in Ethiopia, Report No. 2: Results from a High-Frequency Phone Survey of Refugees
10. Wieser, C., **Nfamara, N.K.**, Alemayehu, A.A., Haile, T.A., Kasidi, M.H., Jeffery, T. (2020). Monitoring COVID-19 Impact on Refugees in Ethiopia: Results from a High-Frequency Phone Survey of Refugees (English)

11. **Dampha N.K.** (2019). Home Value: Social & Economic Analysis of Black Wealth in Florida, funded and published by the CREATE Initiative

High-level Scientific Assignments/Assessments

1. 2024 – 2026 **Co-Author**, *USA First National Nature Assessment (NNA1), funded by the US Global Change Research Program, under the President's Executive Office, Chapter title: Assessment Approach led by Dr. Katie Arkema*
2. 2024 – 2025 **Co-author**, *Estimating the Global Gross Ecosystem Product (GEP) from Nature held by Professor Stephen Polasky at the University of Minnesota*

Publications (submitted or in progress)

1. **Dampha N.K.**, Salemi, C., Polasky, S., Egziabher A.G., & Rapoport., W. (2024). Refugees and host communities' vulnerability to climate and disaster risks in Rwanda (*ready to be submitted to special issue in Frontiers in Climate*)
2. Johnson, J.A., Mamun, S., **Dampha, N.K.**, Polasky, S., (2024). Integrating Efficiency Frontiers into Macroeconomic Scenario Analysis: Biodiversity, Economic Returns, Food Production, and Greenhouse Gas Mitigation under Alternative Land Use. IUCN Flagship Report
3. **Dampha N.K.**, Jones, L., Tall, A., Owuonda, S., Onwubiko, C., Cham, D. (2024). Unlocking Climate Finance in Fragile and Conflict-Affected Settings in East Africa. World Bank Group. Washington, D.C., USA (*In progress*)
4. Salemi, C., **Dampha N.K.**, & Johnson, J.A., (2024). Rohingya refugee camps and land cover change in Cox's Bazar, Bangladesh (submitted to World Development Journal)
5. **Dampha N.K.**, Polasky, Stephen, Johnson, J.A., Bo, H., Kula, L., Long, Y., Mamun, S., Maldonado, L., Strombom, E., Thakrar, S. (2024). Sustainability Pathways: Review and Taxonomy of Sustainability Indices (Working Paper).
6. Vogl, A.L., Leon, J., **Dampha, NK.**, (2024). Landslide/Soil Erosion Risks and the Potential for Nature-based Solutions for Burundi's Colline Landscapes. A new World Bank-executed Advisory Services and Analytics (ASA) project, Diagnosing Drivers of Climate and Environmental Fragility in Burundi (Working Paper)

7. **Dampha N.K.** Polasky S. & Keeler, B. (2024). Eliciting People's Willingness to Pay (WTP) for Improved Coastal Protection against Climate Change Impacts (Coastal Erosion) in The Gambia (*under review*)
8. Mamun, S., **Dampha N.K.**, Taylor, R. Luers, A., Polasky, Stephen. (2024). Investing in nature to mitigate integrated climate risk (working paper)
9. Polasky, S., Johnson, J.A., Bo, H., **Dampha, N.K.**, Kula, L., Long, Y., Mamun, S., Maldonado, L., Strombom, E., Thakrar, S. (2024). The Economics of Conserving Nature and the Big Lift for Transformative Change. Special Issue. (*Working Paper*)
10. **Dampha N.K.**, (2024). Site Suitability Analysis for a New Climate-Resilient Capital City: using Remote Sensing and GIS-based Multi-Criteria Decision Making (MCDM) Approaches" (*submitted to Modeling Earth Systems and Environment for publication*).

Op-eds Published, Outreach, in Media (Selected)

1. **U of M scientist advocates for developing countries at the global climate summit.** Published by Minnesota Public Radio (MPR) **Climate Cast** with Paul Huttner and Ngoc Bui December 7, 2023.
2. **Loss and damage financing at the UN Climate Conference.** Published by University of Minnesota Expert Alert, November 20, 2023.
3. **British Empire's past emissions 'double UK's climate responsibility'.** Published in The Guardian by Damian Carrington Environment editor, November 26, 2023.
4. **Road to Dubai: What is at Stake on Global Goal on Adaptation at COP28?** Op-ed by Nfamara K. Dampha, published by the Institute on the Environment, June 22, 2023
5. **Road to Dubai COP28: Any progress on the new loss and damage fund in Bonn?** Op-ed by Nfamara K. Dampha, published by the Institute on the Environment, June 14, 2023
6. **Minnesota researcher calls for local action after global climate summit.** Published in Saban Journal, by Andrew Hazard, December 8, 2022
7. **Climate mitigation fails, adaptation limited, and loss and damage unavoidable – cooperation needed now more than ever!** Published by the Institute on the Environment, COP27, blog by Nfamara K Dampha, January 19, 2023
8. **Climate education needed to support youth ecopreneurs.** Published by University World News by Eve Ruwoko 14 December 2023
9. **The obscure calculation transforming climate policy.** Published in Knowable Magazine, by Ula Chrobak December 06, 2022
10. **Global climate justice: A Q&A with IonE Research Scientist Nfamara Dampha.** Published in IonE Blogs by Dana Hernandez April 11, 2023

11. **Gambian Minnesotans seek a place of their own—a community center** to connect to their roots. *Published in Sahar Journal, by Andrew Hazzard March 27, 2023*
12. **Brooklyn Park approves Banjul, The Gambia, as a sister city.** *Published in Hometown Source, by Kevin Miller Sep 20, 2022*

Teaching as Guest Lecturer & Keynote Speaker

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| 2024 (Spring) | Topic: World Bank Role in Sustainable Development at the University of Minnesota: <i>Global Sustainable Development in Practice (PA 5531)</i> , Class Instructor: Assistant Prof. Heather Randell. |
| 2024 (Spring) | Topic: the UAE Consensus: the Role of the UNFCCC in addressing climate change at the University of Minnesota: <i>Climate Action and Adaptation Planning Class (PA4790)</i> Class Instructor: Fred Rose |
| 2024 (Spring) | Topic: the UAE Consensus on Loss and Damage and Global Goal on Adaptation , at the University of Minnesota: Global Change Class (PA4790) Class Instructor: Professors: Stephen Polasky and Sarah Hobbie |
| 2024 (Spring) | Topic: the UAE Consensus on Loss and Damage and Global Goal on Adaptation , at the University of Minnesota: <i>Policy and Science of Global Environmental Change (GCC 5008)</i> Class Instructor: Professors: Stephen Polasky and Sarah Hobbie |
| 2024 (Spring) | Topic: The Evolution of Loss and Damage under the UNFCCC , at the University of Minnesota: <i>Global Politics of Climate Change</i> Class Instructor: Professor Tanisha M. Fazal |
| 2024 (Spring) | Theme: Embracing Uhuru: A Shared Responsibility for Climate Justice in Africa & Beyond! at the University of St. Thomas: <i>African Nations Student Association's annual African Night.</i> ANSA: Presidents: Kadiatu Koroma and Awasum, Ndeh |
| 2020 (Spring) | Topic: Sustainability: An Inclusive Wealth Approach (Metrics & Indicators) at the University of Minnesota: <i>Theories and Policies of Development (PA 5501)</i> Class Instructor: Dr. Colette Salemi |

Presentations, Seminars, and Panel Discussions

- 2024 **6th National Adaptation Forum, USA.** Topic: *Satisfying the Appetite for Nature-Based Solutions: Shifting Strategies to Meet Public Demand, from May 14-16, in St. Paul, Minnesota.*
- 2024 **Institute for Professional Development Conference:** Theme: The Psychological Impact of Forced Displacement: Intervention, Research, and Policy Implications. Topic presented: *Navigating Limits to Adaptation: Forced Displacement vs. Proactive Migration in Africa*, on May 17, in New York, USA (Virtual).
- 2023 **First Africa Climate Week/Summit at the Adaptation Committee's Workshop:** Topic presented: *Regionalization of climate adaptation actions in Africa, in Nairobi, 4th – 9th September, in Nairobi, Kenya.*
- 2023 **West Africa Marine Science Symposium (WAMSS)** at the UN Ocean Decade Early Career Ocean Professionals (ECOP-Africa) Side Even. Topic presented: *Modeling Tools and Techniques for Natural Capital Accounting and Ecosystem Service Assessment using the InVEST, from 18th - 20th August in Accra, Ghana.*
- 2023 **Measuring Development (MeasureDev).** I presented at the *Mitigating the Risks and Impacts of Climate Change* organized by the Center for Effective Global Action, May 3-5. Washington DC, USA
- 2022 **Natural Capital Project Summit.** Topic presented: *Global analysis on a nature-based solution for climate mitigation and resilience, from Oct-1-9, in Stockholm, Sweden.*
- 2019 **Eleventh International Conference on Climate Change: Impacts & Responses,** Washington, D.C., USA on the theme “coastal resilience”. I presented on *assessing risks of Climate and Environmental Migration: Evidence from an Island Capital City, Banjul The Gambia (16-17 April)*
- 2019 **Mapping Environmental Justice,** University of Minnesota: Presented on “*Home Value: Social & Economic Analysis of Black Wealth in Nassau County, Florida,*” (Oct 11)

Poster Presentations

- 2019 **National Adaptation Forum,** Madison, Wisconsin, USA at Monona Terrace. Presented a Poster on *assessing risks of Climate and Environmental Migration: Evidence from an Island Capital City, Banjul The Gambia (23-25 April 2019)*

Grants: Research, Development, and Climate Resilience Projects

Dr. Dampha's portion is in parentheses. Total external grants awarded ~\$1 million and climate project funds 115 million **(Total 116,069,930)**.

| Major Funding | Amount |
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| 2024-2026 Nature's Value in Reducing Flood Risk Impacts in the Upper Mississippi River Basin, UMN. funded by the US Midwest Climate Adaptation Science Center. Research Team: <i>S. Polasky (UMN), Johnson J.A. (UMN), J., Hellmann (UMN), M. Kenney (UMN), S. Mamun (UMN), B. Janke (UMN), S. Grant (Rainbow Research), C. Matthias (Rainbow Research), J. Morales (Rainbow Research), W. Bartsch (UMN), K. Traff Johnson (UMN), L. Liu (UMN), F. Isbell (UMN), M. Ahlering (TNC), A. Tillman (UMN), K. Ryberg (USGS), Z. McEachran (NOAA), E. Nelson (Bowdoin College).</i> | US\$425,000, (94,488) <i>UMN lead, Dampha as Principal Investigator (PI)</i> |
| 2023 – 2024 Towards Mainstreaming Nature's Value in Minnesota's Decision-making: A Review of Knowledge Gaps, Implementation Challenges, and Emerging Opportunities - Impact Goals Grant funded by the Institute on the Environment, University of Minnesota. Research Team: <i>S. Polasky (UMN), M. Heyn (UMN), S. Grant (Rainbow Research), and K. Darboe (UMN), and J. Standish (Geosynthetic).</i> | US\$50,000 (25,000) <i>UMN lead, Dampha as PI</i> |
| 2024 – 2025 Agriculture and biodiversity: Modeling the benefits and costs of transition towards greater sustainability –funded by International Union for Conservation of Nature (IUCN). Research Team: <i>S. Polasky (UMN), Johnson J.A., and S. Mamun (UMN).</i> | US\$65,000 (\$26,470) <i>Dampha as Co-PI</i> |
| 2023 – 2024 The Economic Case for Nature: Upper Mississippi River Basin Ecosystem Service Project Scoping Workshop Series – USGS-funded. Research Team: <i>S. Polasky (UMN), Johnson J.A. (UMN), K. Libby (UMN), J., Hellmann (UMN), M. Kenney (UMN), S. Grant (Rainbow Research), L. Ironboy (Leech Lake Band of Ojibwe), C. Tangren (Leech Lake Band of Ojibwe), P. Adalikwu (South</i> | US\$ 15,000 <i>UMN lead, Dampha as PI</i> |

Dakota State University), B. Janke (UMN), P. Hawthorne (Natural Capital Insights), S. Mamun (UMN), L. Liu (UMN), F. Isbell (UMN), M. Ahlering (TNC), A. Tillman (UMN), K. Ryberg (USGS), Z. McEachran (NOAA), E. Nelson (Bowdoin College), N. Warren (UMN) R. McWay (UMN), Y. Long (UMN), J. Flory (participant), T. Wu (Stanford University), E. Lonsdorf (Emory University), P. Fursdong (Clean Up Our River Environment (CURE) in Minnesota).

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| 2021 – 2024 | Co-benefits of natural solutions to climate change, funded by Microsoft through the University of Vermont – sub-award amount sent to the University of Minnesota. Research Team: <i>S. Polasky (UMN), T. Ricketts (University of Vermont), and S. Mamun (UMN).</i> | US\$ (164,930) <i>Dampha as Co-PI</i> |
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| International Development and Climate Finance Grants | Amount |
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| 2024- 2029 | Burundi Climate Resilience Project funded by the World Bank currently under preparation in Burundi. World Bank Task Team Leader, Dr. Arame Tall. <i>Project team: N. Ndayiragije (World Bank), M. Von Berg (World Bank), L. Raina (World Bank), A. Manirambona (World Bank), A.L. Vogl (Stanford University), J. Leon (Stanford University), C. Jaime (Climate Centre), L. Stephens (Climate Centre), J. Suidman (Climate Centre), C. Scholz (Climate Centre) I. Pinto (University of Cape Town), L. Ardenne (University of Cape Town), S. Giodini (510 Initiative of the Netherlands Red Cross), A. Savchuk (510), and L. Hielkema (510).</i> | US\$70,000,000 <i>Dampha as Senior Climate Change Consultant, supporting project preparation and analytics</i> |
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| 2023 - 2028 | Urban Flood Risk Reduction Investment Project in The Gambia: <u>World Bank-funded West Africa Coastal Areas Resilience Project (WACA).</u> World Bank Task Team Leader Keren Carla Charles. Project Team: <i>Dr. N. Engle (World Bank), A. Nunez Sanchez (World Bank), A. Campos Garcia (World Bank), F. Cian (World Bank), B. Gonzalez Reguero (World Bank), S. Ferguson (World Bank), T. Bah (World Bank), Dr. M. Sanyang (PIU, WACA), M. Ceessay (PIU, WACA), M. Gomez (PIU, WACA).</i> | US\$45,000,000 <i>Dampha as Senior Climate Change Consultant, supporting project preparation and analytics</i> |
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| 2020 – 2022 | World Bank Burundi’s Advisory Services and Analytics (ASA): Diagnosing Drivers of Climate and Environmental Fragility in Burundi’s Colline Landscapes – Landscape, Climate & Conflict Risks. World Bank Task Team Leader, Dr. Arame Tall, <i>Research team: N. Ndayiragije (World Bank), M. Von Berg (World Bank), L. Raina (World Bank), A. Manirambona (World Bank), A.L. Vogl (Stanford University), J. Leon (Stanford University), C. Jaime (Climate Centre), L. Stephens (Climate Centre), J. Suidman (Climate Centre), C. Scholz, (Climate Centre) I. Pinto (University of Cape Town), L. Ardenne (University of Cape Town), S. Giodini (510 Initiative of the Netherlands Red Cross), A. Savchuk (510), and L. Hielkema (510).</i> | \$400,000 <i>Dampha as Lead Climate Change Consultant, supports research coordination and conducts flood risk modeling</i> |
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International Conferences, Workshops, and Symposiums (selected)

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| 2024 | Germany: Attended and negotiated for The Gambia, the Least Developed Countries Group, and the African Group of Negotiators at the Subsidiary Body (SB) 60 th meeting of the UNFCCC in Bonn, June 3-13. |
| 2024 | USA: Attended and presented on maladaptation and nature-based solutions for climate risk reduction at the National Adaptation Forum in St. Paul, Minnesota May 14-16. |
| 2023 | United Arab Emirates (UAE): Attended and negotiated for the Gambia at the 28th session of the Conference of the Parties (COP 28) to the UNFCCC in Dubai from 30 November 30 to December 12. |
| 2023 | Kenya: Attended the Africa Climate Week/Summit and presented at the Adaptation Committee’s Workshop on regionalization of climate adaptation actions, in Nairobi, 4 th – 9 th September. |
| 2023 | Ghana: Presented at the UN Ocean Decade Early Career Ocean Professionals (ECOP-Africa) Side Event at the West Africa Marine Science Symposium (WAMSS) in Accra from 18th - 20th August. |

- 2023 **Germany:** Attended and negotiated for The Gambia at the Subsidiary Body (SB) 58th meeting of the UNFCCC in Bonn, June 5-15.
- 2023 **USA Washington DC:** Presented at the Measuring Development (MeasureDev): *Mitigating the Risks and Impacts of Climate Change* organized by Center for Effective Global Action, May 3-5.
- 2023 **USA California:** Participated in NatCap's Global Forum on Mainstreaming Nature in Decisions, Stanford University, April 16-21.
- 2023 **USA Wisconsin:** Attended "Nature-based Solutions to Reduce Impacts from Extreme Precipitation events in the Upper Mississippi River Basin" organized by USGS in Madison, March 20-24.
- 2022 **Egypt:** Attended & presented at the 27th session of the Conference of the Parties (COP 28) to the UNFCCC in Sharm El Sheikh, November 9-19.
- 2022 **Sweden:** Attended NatCap summit focused on global modeling of nature's value to economic growth and trade outcome (GTAP-InVEST) in Stockholm, Oct-1-9.

Upcoming Conferences (to be attended)

- 2024 **Azerbaijan:** Will attend and negotiate for the Gambia at the 29th session of the Conference of the Parties (COP 28) to the UNFCCC in Baku, 30 November 11-24.
- 2024 **Columbia:** Will attend and participate in the 16th session of the Conference of the Parties (COP 16) to the Convention on Biological Diversity (CBD), October 21 to November 1.

International Missions, Scientific/Stakeholder Engagement, Project Supervision

- 2024 **Visiting Scientist at Basque Center for Climate Change ([BC3](#))** in Spain. Two weeks of scientific engagement with the Artificial Intelligence for Environment & Sustainability ([ARIES](#)), from April 10-26.
- 2023 **WACA Project Implementation Supervision Mission** with the World Bank Urban and Disaster Risk Management Team in The Gambia, from Oct. 7-19.
- 2023 **World Bank Project Preparation Mission:** Burundi Climate Resilience Project in Burundi, from Sept. 12-16.

2022 **Cross-validation of Climate Risk Modeling Results and Climate Action Plan Development Mission** *with the World Bank in Burundi, from May 12- June 2.*

Professional Certificates

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| 2024 | System of Environmental-Economic Accounting (SEEA) Central Framework <i>by the Statistical Institute for Asia and the Pacific</i> |
| 2024 | FY24 Personal Data Privacy <i>at the World Bank (IBRD/IDA)</i> |
| 2023 | Global Trade Analysis Project (GTAP 101 course, March 20-May 7) <i>Purdue University</i> |
| 2023 | New Supervisors orientation course (4 weeks, Feb-March, 2023), <i>University of Minnesota</i> |
| 2024 | Access to Information – <i>IBRD (World Bank)</i> |
| 2021 | BSAFE - WBG Edition, <i>World Bank</i> |
| 2020 | Strengthening Cyber Resilience – <i>IBRD (World Bank)</i> |
| 2020 | History and Ethical Principles, <i>University of Minnesota</i> |
| 2020 | Defining Research with Human, <i>University of Minnesota</i> |
| 2020 | Assessing Risk – SBE, <i>University of Minnesota</i> |
| 2020 | Informed Consent, <i>University of Minnesota</i> |
| 2020 | Privacy and Confidentiality, <i>University of Minnesota</i> |

Local, African Training Attended (Selected)

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| 2015 | Regional workshop on disaster contingency planning <i>with African Risk Capacity (ARC.) in Johannesburg, South Africa 13-17 July.</i> |
| 2015 | Professional development training on project cycle management <i>with Red Media Africa in Lagos, Nigeria (30Apr -22 May)</i> |
| 2015 | West Africa regional conference for Mandela Washington Fellows <i>with the US State Department, in Accra, Ghana (25 -29 April)</i> |
| 2014 | 5th Africa Water Week & the 9th General Assembly of African Ministers' Council on Water (AMCOW) , <i>hosted by the Government of Republic of Senegal (26 -31 May)</i> |
| 2014 | Training on Fundamentals of Monitoring and Evaluation for Government Planners organized by the Directorate of Development Planning, <i>held at Management Development Institute (26 Nov- 5 Dec.).</i> |

- 2014 **Training on Policy Formulation and Implementation & Strategic Management** in the Public Sector, *organized by Management Development Institute and Personnel Management Office, Office of the President (20 -23 Oct.)*
- 2013 **Civil Service Induction Training** *organized by Personnel Management Office (PMO) Office of the President (24 Jun.-5 July)*
- 2013 **Training GAM-INFO (database, data visualization & metadata)** *organized by Gambia Bureau of Statistics at Paradise Suites Hotel (11 -15 Nov.)*
- 2013 **Resource Mobilization and Monitoring & Evaluation Training** *organized by National Environment Agency (NEA) at Ocean Bay Hotel (4-5 Oct.)*
- 2013 **Capacity Building & Sensitization Workshop on Gender & Women's Empowerment Policy (2010-2020) & Women's Act 2010**, *organized by the Women's Bureau (20 Aug)*

University Service

University of Minnesota

- 2023 – present UMN and IonE representative, *Natural Capital Project Global Partnership Team*

Grant Reviews

- 2022 National Science Foundation (NSF): Accelerating Research through International Network-to-Network Collaborations (*AccelNet*)

Mentoring of Grantees: Impact Goals Grant funded by UMN – IonE

- 2022 – 2023 Examining Agriculture-Groundwater-Wild Rice Pathways Through Cross-Cultural Observations, *PI, Crystal Ng*
- 2022 – 2023 Growing the Just Solar Revolution to Scale in Minnesota: A Regional Analysis of Equity, *PI, Beth Mercer-Taylor*
- 2023 – present Developing Stakeholder-Informed Guidelines for Net-Zero Energy Affordable Housing Development, *PI Daniel Handeen*
- 2023 – present Microplastic pollution in urban agricultural ecosystems, *PI, Emilie Snell-Rood*

2023 – present Automating and informing local water resource management, *PI Amy Kinsley*

Core Research Team

University of Minnesota

Dr. Stephen Polasky, Regents Professor, Fesler-Lampert Professor of Ecological/Environmental Economics, Department of Applied Economics, 2017-present
Dr. Justin Johnson, Assistant Professor, Department of Applied Economics, 2022 – present
Dr. Melissa Kenney, Director of Knowledge Initiative, Institute on the Environment, 2022 – present
Dr. Sumil Thakrar, Postdoc Associate, Natural Capital Project, 2020 – present
Dr. Saleh Mamun, Postdoc Associate, Natural Capital Project, 2020 – present
Dr. Lingling Liu, Senior Research Specialist in Data Science, 2023 - present
Dr. Peter Hawthorne, Co-founder, Natural Capital Insights, 2024- present
Dr. James Gerber, Principal Research Scientist in Global Landscapes, 2024 - present
Dr. Deepak Ray, Senior Research Scientist in Global Landscapes, 2024 - present
Dr. Jennifer Schmitt, Senior Research Scientist in Sustainable Food Systems, 2024 - present
Dr. Nathaniel Springer, Research Scientist in Economics and Sustainability, 2024 – present
Dr. Bonnie Keeler, Assistant Professor, Humphrey School of Public Affairs, 2017-present
Dr. Forest Isbell, Assistant Professor, College of Biological Sciences, 2024- present
Dr. Ben Janke, Scientist, St. Antony Fall Lab, 2014- present

Supervising Employees and Mentoring Students

Postdoctoral Scholars **co-mentor*

Dr. Colleen Miller, University of Minnesota, 2023 – present *
Dr. Philip Adalikwu, University of Minnesota, 2024 – present

M.A. Students – Mentored and Supervised

Karim Darboe, University of Minnesota, 2024 – present

B.A. Students – Mentored

Sheriffo Jobarteh, University of The Gambia, 2023-24 (mentored dissertation)

Professional Skills

Climate risk analysis, natural capital accounting, ecosystem service assessment and valuation, Climate action planning, contingency planning for disaster management, multi-hazard risk mapping, policy analysis, cost-benefit analysis, macroeconomic analysis, contingent valuation method, site suitability analysis, geographic information system (GIS), remote sensing applications participatory rural appraisal, sustainable livelihoods analysis, project management, program evaluation, project proposal, and grant writing.

Software Skills: InVEST, ArcGIS Pro, Q-GIS, Atlas Ti, Stata, R, and Drone software (Mission Planner, Event38, Geosetter)

Aircraft Skill: Drone Pilot

Social Skills: Counselling, socialization, emotion control, etc.

Language: English (fluent) Mandinka (Native Language).

HOBBIES: (trekking, sports, watching academic videos, documentaries, listening to the news)

Referee, Supervisor⁺, and Mentor^{*}

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| 2017 – present | Dr. Stephen Polasky ⁺ , Regents Professor and Fesler-Lampert Professor of Ecological/Environmental Economics polasky@umn.edu +1 612 625 9213 Link to CV |
| 2020 – present | Dr. Arame Tall ⁺ , Senior Climate Change Adaptation Specialist, atall2@worldbank.org Profile |
| 2022 – present | Dr. Melissa Kanney ⁺ , Director Knowledge Initiative, Institute on the Environment, University of Minnesota, USA (612) 624-6973 makenney@umn.edu Link to CV |
| 2015 – present | Mr. Alhagie Sanneh ⁺ , Former Executive Director, National Disaster Management Agency, under the Office of the President, The Gambia +220-7992021 macds035133@gmail.com |
| 2024 – present | Dr. Vipin Kumar , Regents Professor [*] , Data Science Initiative Director, University of Minnesota. |
| 2023 – present | Hon. Rohey Johns Manjang [*] , Minister of Environment, Climate Change, and Natural Resources (MECCNAR) The Gambia info@meccnar.gov.gm |
| 2013 – present | Hon. Pa Ousman Jarju ⁺ Former Minister of Environment, Climate Change, and Natural Resources, The Gambia paousman_jarju@yahoo.co.uk |

2013 – present Mr. Bubu Pateh Jallow*, Advisor to the Minister of Environment, Climate Change, and Natural Resources, The Gambia | bubupateh@yahoo.com

I, ***Dr. Nfamara K Dampha, (May 31, 2024)***, certify that to the best of my knowledge, this CV/Resume correctly describes me, my qualifications, and my experience and I am available, as and when necessary, to undertake the applied assignment. I understand that any falsification, fabrication, misstatement, or misrepresentation described herein may lead to my disqualification or dismissal, and/or sanctions by the concerned institution. I authorize the concerned institution to verify the content provided in this resume.