

2ND FORUM ON THE MACROECONOMICS OF GREEN & RESILIENT TRANSITIONS

JUNE 16-18, 2025 • COPENHAGEN, DENMARK

Countries around the world are grappling with the impacts from a warming planet and the challenges and opportunities of an emerging global green economy. As they do so, Ministries of Finance and other economic ministries face daunting new questions. How to manage the fiscal challenges of investing in green energy, coping with climate risks, funding resilience, and supporting green manufacturing? How to build industries to compete in the global green economy? How to manage and overcome the impacts on workers and communities? How to manage emerging macroeconomic risks from shifting global supply chains? How to plan for and spur improvements in the cost and performance of technologies? How to coordinate rapid changes in many interlinked sectors, across many countries connected by trade flows?

Ministries of Finance and other economic ministries urgently need credible information and evidence to navigate these emerging challenges and opportunities. This requires close collaboration with the analytical community on which decision makers rely – in governments, think tanks, and universities. It requires new tools, methods, and datasets designed to answer the questions of today that match countries' varying needs and capabilities. And it calls for a community effort to share ideas, methods, and lessons learned among those who develop analytical methods, those who apply them for policy assessment, and those who use the results for real-world decision making.

The 2nd Annual Forum on the Macroeconomics of Green and Resilient Transitions is co-hosted by the Coalition of Finance Ministers for Climate Action, the Danish Ministry of Finance, and the Bezos Earth Fund, with support from the Grantham Research Institute on Climate Change and the Environment. The Forum brings together economic policy makers and applied economic modelers and analysts – from finance and economic ministries, development banks, universities, and think tanks – to work together on the information and evidence base needed for green and resilient economic transitions. The Forum provides an opportunity for Ministries of Finance and other economic decision makers to lay out their challenges, needs, and asks; it provides an opportunity for the analytical community to showcase methods and data that might meet these challenges, needs, and asks in diverse circumstances; and it provides a venue to discuss ways that these communities can work together to build the evidence base for green and resilient economic transitions.

The Forum is a collaborative, participatory event built around sharing experiences and working together to identify solutions, where participants can learn from one another's experiences, test ideas, and surface practical insights. Through plenary exchanges, deep-dive parallel sessions, and interactive small-group conversations, all attendees will have an opportunity to contribute, reflect, and engage. The aim is to uncover lessons, ask hard questions, build our collective understanding, and foster a community that can rapidly enhance the evidence base needed for green and resilient economic transitions.

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Sunday, June 15, 2025

TIME	SESSION
16:00 – 18:00	Welcome Drinks Marriott Hotel Restaurant Lobby

Monday, June 16, 2025

TIME	SESSION
8:00	Registration Opens + Coffee Available
9:00	<p>Opening Plenary Vesterhavet I & II</p> <p><u>Welcome from the Hosts & Organizers</u></p> <ul style="list-style-type: none">- Mads Libergren, Ministry of Finance, Denmark & HP4 Lead of Coalition of Finance Ministers for Climate Action (CFCMA)- Paula Saurez, Ministry of Finance, Ecuador- Leon Clarke, Bezos Earth Fund <p><u>Remarks</u></p> <ul style="list-style-type: none">- Nicolai Wammen, Minister for Finance, Denmark- Albert Musisi, Ministry of Finance, Planning and Economic Development, Uganda & Co-chair of the Coalition of Finance Ministers for Climate Action <p><u>Forum Objectives</u></p> <ul style="list-style-type: none">- Freya Carlton, Department of the Treasury, Australia <p><u>Insights from the CFCMA Economic Analysis for Green and Resilient Transitions Initiative</u></p> <ul style="list-style-type: none">- Nick Godfrey, Grantham Research Institute, London School of Economics- Swenja Surminski, Grantham Research Institute, London School of Economics <p><u>Perspectives on the Role of Ministries of Finance in Driving Investment in Climate Action</u></p> <ul style="list-style-type: none">- Amar Bhattacharya, Co-Chair of Independent High Level Expert Group on Climate Finance, Grantham Research Institute; The Brookings Institution
10:30	Networking Break

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11:00	<p>Plenary: State of Practice in Finance Ministries Vesterhavet I & II</p> <p><u>Introduction & Framing & Contributing Report (HP4 Work to Date)</u></p> <ul style="list-style-type: none"> - Linus Gustafsson, Department of the Treasury, Australia - Anika Heckwolf, Grantham Research Institute, London School of Economics <p><u>Panel Discussion</u></p> <ul style="list-style-type: none"> - Moderator: Linus Gustafsson, Department of the Treasury, Australia - Freya Carlton, Department of the Treasury, Australia - Mariam Lawal, Federal Ministry of Finance, Nigeria - Diana Laura Jimenez Miranda, Secretariat of Finance and Public Credit, Mexico - Lars Haagen Pedersen, Ministry of Finance, Denmark <p><u>Panel Discussion</u></p> <ul style="list-style-type: none"> - Moderator: June Nyakahuma, Ministry of Finance, Planning and Economic Development, Uganda - Vidah Malle, Ministry of Finance, Tanzania - John Narag, Department of Finance, Philippines - Ridzuan Kushairi Mohd Ramli, Ministry of Finance, Malaysia - Saara Tamminen, Prime Minister's Office, Finland
12:30	<p>Lunch (Restaurant located on level 1)</p>
14:00	<p>Small Group Discussions (World Café): State of Practice in Ministries of Finance Outside Veranda (First Floor)</p> <p><i>In this World Café, participants will engage in interactive group dialogues with Ministries of Finance, each sharing practical insights and experiences related to advancing green and resilient transitions. In a series of rotating discussions, ministry officials will briefly introduce a relevant topic, such as a policy or modelling challenge, innovative approach, or capacity-building effort, followed by informal conversations with participants from other ministries, international financial institutions, think tanks, and academia. This session is designed to foster peer learning and the exchange of actionable ideas in a dynamic, conversational format.</i></p> <ul style="list-style-type: none"> - Department of the Treasury, Australia - Ministry of Finance, Denmark - European Commission, DG ECFIN - Ministry of Economy and Finance, Italy - The National Treasury, Kenya - Ministry of Finance, Malaysia - Department of Finance, The Philippines - Ministry of Finance and Public Credit, Colombia - Ministry of Economy and Finance, Morocco - Ministry of Finance, Planning and Economic Development, Uganda

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15:30	Networking Break
16:00	Parallel Sessions (4 options available)
16:00	<p>Parallel Session: Climate-focused Fiscal Analysis: Data, Tools and Approaches Nordsøen</p> <p><u>Introduction & Framing & Contributing Report (HP4 Work to Date)</u></p> <ul style="list-style-type: none"> - Andy King, Grantham Research Institute, London School of Economics <p><u>Policy Maker Roundtable</u></p> <ul style="list-style-type: none"> - Moderator: Andy King, Grantham Research Institute, London School of Economics - Musa Kathanje, The National Treasury, Kenya - Raoul Lättemäe, Ministry of Finance, Estonia - Benjamin Lerch, Federal Finance Administration, Switzerland - Vidah Malle, Ministry of Finance, Tanzania <p><u>Analyst and Capacity Building Experiences</u></p> <ul style="list-style-type: none"> - Raul Delgado, Inter-American Development Bank - Nanki Kaur, Asian Development Bank - Florent McIsaac, World Bank - Alpa Shah, International Monetary Fund
16:00	<p>Parallel Session: Driving Low-carbon Transitions: Evaluating Technologies and the Policies They Need to Scale Langelandsbaelt</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Simon Sharpe, S-Curve Economics <p><u>Reflections and Challenges</u></p> <ul style="list-style-type: none"> - Moderator: Simon Sharpe, S-Curve Economics - Mads Libergren, Ministry of Finance, Denmark - Saira Najeeb Ahmed, Ministry of Finance, Pakistan - Sophia Tsellou, Ministry of National Economy and Finance, Greece <p><u>Analytical Approaches</u></p> <ul style="list-style-type: none"> - Moderator: Simon Sharpe, S-Curve Economics - Alin Halimatussadiah, University of Indonesia - Anna Murphy, C3A & S-Curve Economics - Mikkel Sørensen, Danish Energy Agency

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16:00	<p>Parallel Session: Assessing the Economic and Fiscal Implications of Physical Climate Risks (Impacts and Adaptation #1) Skagerrak/Kattegat</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none">- Freya Carlton, Department of the Treasury, Australia- Shah Saadi, Ministry of Finance, Bangladesh <p><u>Contributing Report (HP4 Work to Date)</u></p> <ul style="list-style-type: none">- Swenja Surminski, Grantham Research Institute, London School of Economics <p><u>Existing Tools and Approaches</u></p> <ul style="list-style-type: none">- Moderator: Freya Carlton, Department of the Treasury, Australia- Said Ait Faraji, Ministry of Economy and Finance, Morocco- Margaux Salmon-Genel, European Commission, DG ECFIN- Agnieszka Trzcinska, European Central Bank- Davis Vuningoma, Ministry of Finance, Planning and Economic Development, Uganda- Paul Watkiss, Paul Watkiss Associates
16:00	<p>Parallel Session: Green Transitions, Policy Mixes, and Economic Growth Vesterhavet I & II</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none">- Sebastian Valdecantos/Etienne Espagne, C3A, World Bank <p><u>Contributing Report (HP4 Work to Date)</u></p> <ul style="list-style-type: none">- Patrick Lenain, Council on Economic Policies <p><u>Policy Maker Experiences</u></p> <ul style="list-style-type: none">- Moderator: Etienne Espagne, C3A, World Bank- Minghong Jin, National Development and Planning Commission, China- Jan Nill, European Commission, Directorate-General for Economic and Financial Affairs- Carlo Orecchia, Ministry of Economy and Finance, Italy <p><u>A Survey of Analyst Experiences</u></p> <ul style="list-style-type: none">- Moderator: Sebastian Valdecantos, C3A, World Bank- Claudio Amitrano, Instituto de Pesquisa Econômica Aplicada- Jean Chateau, Organisation for Economic Cooperation and Development- Ashwini Hinge, World Resources Institute, India- Sneha Thube/ Hugo Rojas-Romagosa, International Monetary Fund- Filiz Unsal, Organisation for Economic Cooperation and Development
17:30	Reception

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Tuesday, June 17, 2025

TIME	SESSION
8:00	Coffee Available
9:00	<p>Plenary: The State of Practice in Analytical and Modelling Tools for Ministries of Finance Vesterhavet I & II</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Stephane Hallegatte, World Bank <p><u>Overview of Analytical Tools for Finance Ministries (HP4 Work to Date)</u></p> <ul style="list-style-type: none"> - Hannah Maier-Peverling, Grantham Research Institute, London School of Economics <p><u>Applying Tools to Different Key Policy Questions</u></p> <ul style="list-style-type: none"> - Moderator: Stephane Hallegatte, World Bank - Lint Barrage, ETH Zurich - Débora Freire, Ministry of Finance, Brazil - Ketan Ahuja/Muhammed Yildirim, Harvard University - Peter Stephensen, Danish Research Institute for Economic Analysis and Modelling <p><u>Introduction to National Analytical Capacity Sessions (in afternoon)</u></p> <ul style="list-style-type: none"> - Leon Clarke, Bezos Earth Fund
10:30	Networking Break
11:00	<p>Small Group Discussion (World Café): Analytical Tools Outside Veranda (first floor)</p> <p><i>In this World Café, participants will engage in interactive dialogues with the developers of open-source or widely available analytical tools or data sources in an informal, small group setting. In a series of rotating discussions, model and data developers will briefly introduce their work, highlighting the purpose, functionality, and real-world applications, before engaging in an open conversation with participants from ministries, international financial institutions, think tanks, and academia. This session is designed to foster peer learning and the exchange of actionable ideas in a dynamic, conversational format.</i></p> <ul style="list-style-type: none"> - Atlas of Economic Complexity Ketan Ahuja/ Muhammed Yildirim, Harvard Growth Lab - Mitigation, Adaptation and New Technologies Applied General Equilibrium Mode (MANAGE) Martin Christensen, World Bank

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	<ul style="list-style-type: none"> - GreenREFORM Jens Sand Kirk, DREAM - Macro Structural Model (MFMod) Florent McIsaac, World Bank - ThreeME Aurélien Saussay, Grantham Research Institute, London School of Economics - Climate Policy Assessment Tool (CPAT) Alpa Shah, International Monetary Fund - Network for Greening the Financial System (NGFS) Scenarios Agnieszka Trzcinska, European Central Bank - Debt-Investment-Growth and Natural Disasters (DIGNAD) Toolkit Frank Zhang, International Monetary Fund
12:30	Lunch (<i>Restaurant located on level 1</i>)
14:00	Parallel Sessions: Building National Analytical Capacity (3 regions available)
14:00	Building National Analytical Capacity: Africa Skagerrak/Kattegat <u>Introduction & Framing</u> <ul style="list-style-type: none"> - Emmanuel Tamba Gbondo, Ministry of Finance, Sierra Leone <u>Panel Discussion</u> <ul style="list-style-type: none"> - Moderator: Emmanuel Tamba Gbondo, Ministry of Finance, Sierra Leone - Saliem Fakir, African Climate Foundation - Joaquim Leite, NDC Partnership - Jane Mariara, Partnership for Economic Policy - Jambo Ramadhani, UONGOZI Institute, Tanzania <u>Case Studies</u> <ul style="list-style-type: none"> - Musa Kathanje, The National Treasury, Kenya - Taoufik Oukessou, Ministry of Economy and Finance, Morocco - Emannuel Tamba Gbondo, Ministry of Finance, Sierra Leone - Deena Wahba, Ministry of Finance, Egypt
14:00	Building National Analytical Capacity: Asia and the Pacific Vesterhavet I & II <u>Introduction & Framing</u> <ul style="list-style-type: none"> - Abdul D. Abiad, Asian Development Bank <u>Presentation</u> <ul style="list-style-type: none"> - Naeeda Crishna Morgado, Asian Development Bank - Nanki Kaur, Asian Development Bank

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	<p><u>Panel Discussion</u></p> <ul style="list-style-type: none"> - Moderator: Swati Dsouza, Asian Development Bank - Thanakorn Praiwan, Ministry of Finance, Thailand - John Narag, Department of Finance, Philippines - Venugopal Mothkoor, NITI AAYOG, India - Suzanty Sitorus, ViriyaENB, Indonesia
14:00	<p>Building National Analytical Capacity: Latin America and the Caribbean Nordsøen</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Paula Suarez, Ministry of Economy and Finance, Ecuador <p><u>Panel Discussion</u></p> <ul style="list-style-type: none"> - Moderator: Marcio Alvarenga Junior, Inter-American Development Bank - Maria Netto, Instituto Clima e Sociedade - Marcela Jaramillo, 2050 Pathways - Sini Matikainen, CETEx, London School of Economics - Emilio Lebre La Rovere, Federal University of Rio de Janeiro <p><u>Case Studies</u></p> <ul style="list-style-type: none"> - Diana Laura Jimenez Miranda, Secretariat of Finance and Public Credit, Mexico - Daniel Garzón Hernández, Ministry of Finance and Public Credit, Colombia - Paula Suarez, Ministry of Economy and Finance, Ecuador
15:30	Networking Break
16:00	Parallel Sessions (Choose from 1 of 4 options)
16:00	<p>Parallel Session: Macroeconomic Risks and Frictions in Green and Resilient Economic Transitions Vesterhavet I & II</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Adrien Vogt-Schilb, French Development Agency <p><u>Policy Maker Perspectives</u></p> <ul style="list-style-type: none"> - Moderator: Adrien Vogt-Schilb, French Development Agency - Mitch Hartman, Ministry of Economic Affairs and Investment, Barbados - Jin Minhong, National Development and Planning Commission, China - Raquel Nadal Cesar Gonçalves, Ministry of Finance, Brazil - Davis Vuningoma, Ministry of Finance, Planning and Economic, and Economic Development, Uganda

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	<p><u>Tools and Expert Insights</u></p> <ul style="list-style-type: none"> - Moderator: Adrien Vogt-Schilb, French Development Agency - Daniel Garzón Hernández, Ministry of Finance and Public Credit, Colombia - Edwin Millar, Bank of England - David Nelson, Oxford University
16:00	<p>Parallel Session: Financing Resilient Transitions (Impacts and Adaptation #2) Nordsøen</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - June A.C. Nyakahuma, Ministry of Finance, Planning and Economic Development, Uganda <p><u>Country Experiences</u></p> <ul style="list-style-type: none"> - Moderator: June A.C. Nyakahuma, Ministry of Finance, Planning and Economic Development, Uganda - Saira Najeeb Ahmed, Ministry of Finance, Pakistan - Georgina Bedenham, Institute and Faculty of Actuaries and Government Actuary's Department, United Kingdom - Albert Musisi, Ministry of Finance, Planning and Economic Development, Uganda - Mohamad Omar, Ministry of Finance, Malaysia <p><u>Analyst Experiences</u></p> <ul style="list-style-type: none"> - Moderator: June A.C. Nyakahuma, Ministry of Finance, Planning and Economic Development, Uganda - Daniela Baeza-Breinbauer, Grantham Research Institute, London School of Economics - Lint Barrage, ETH Zurich - Carter Brandon, World Resources Institute - Rachel Warren, University of East Anglia
16:00	<p>Parallel Session: Provisioning Data for Macroeconomic Analysis Langelandsbaelt</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Jesper Ellemose Skou Jensen, Statistics Denmark <p><u>Policy Maker Experiences</u></p> <ul style="list-style-type: none"> - Moderator: Jesper Ellemose Skou Jensen, Statistics Denmark - Salinee Boonton, Office of the National Economic and Social Development Council Thailand - Emmanuel Tamba Gbondo, Ministry of Finance, Sierra Leone - Venugopal Mothkoor, NITI AAYONG, India - Moritz Schwarz, Technical University of Berlin

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	<p><u>Analyst and Capacity Building Experiences and Next Steps</u></p> <ul style="list-style-type: none">- Moderator: Jesper Ellemose Skou Jensen, Statistics Denmark- Channing Arndt, Purdue University- Shannon Bold, Bureau for Economic Research, South Africa- Finn Tarp, University of Copenhagen- Arief Anshory Yusuf, University of Padjadjaran
16:00	<p>Parallel Session: The Role of Trade and Industrial Policy in Green Transitions Skagerrak/Kattegat</p> <p><u>Introduction & Framing & Contributing Report (HP4 Work to Date)</u></p> <ul style="list-style-type: none">- Roberta Pierfederici, Grantham Research Institute, London School of Economics <p><u>Ministry of Finance Needs</u></p> <ul style="list-style-type: none">- Roberta Pierfederici, Grantham Research Institute, London School of Economics- Diana Laura Jimenez Miranda, Secretariat of Finance and Public Credit, Mexico- Mariam Lawal, Federal Ministry of Finance, Nigeria- Leandro Rossi, Ministry of Finance, The Netherlands- Thierry Watrin, United Nations Economic Commission for Africa <p><u>Analyst Experiences</u></p> <ul style="list-style-type: none">- Moderator: Helge Sigurd Næss-Schmidt, Global Solutions Initiative- Amrita Goldar, Indian Council for Research on International Economic Relations (ICRIER)- Anders Kronborg, Copenhagen Economics- Dominique van der Mensbrugghe, Purdue University- Muhammed Yildirim, Harvard University
17:30	Reception

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Wednesday, June 18, 2025

TIME	SESSION
8:00	Coffee Available
9:00	<p>Opportunities for Action: Perspectives from funders and providers of support for capacity building Vesterhavet I & II</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Mads Libergren, Ministry of Finance, Denmark & HP4 Lead of Coalition of Finance Ministers for Climate Action (CFCMA) <p><u>The Role of Philanthropies</u></p> <ul style="list-style-type: none"> - Moderator: Leon Clarke, Bezos Earth Fund - Matt Eldridge, Gates Foundation - Shelagh Whitley, ClimateWorks Foundation - Peter St. Quinton, Children's Investment Funds Foundation - Lilia Couto, Open Society Foundations - Rosa Klitgaard Anderson, KR Foundation <p><u>The Role of Technical Assistance Providers and Development Agencies</u></p> <ul style="list-style-type: none"> - Moderator: Jen Carroll, Forum Organizing Committee - Abdul Abiad, Asian Development Bank - Frederico Gil Sander, World Bank - Benjamin Carton, International Monetary Fund - Raul Delgado, Inter-American Development Bank - Ole Thonke, Ministry of Foreign Affairs, Denmark - Ulrich Volz, SOAS University of London
10:30	Break
11:00	<p>Plenary: Next Steps for the Community of Practice Vesterhavet I & II</p> <p><u>Introduction & Framing</u></p> <ul style="list-style-type: none"> - Nick Godfrey, Grantham Research Institute, London School of Economics - Jennifer Carroll, Forum Organizing Committee <p><u>Priority Recommendations for Action</u></p> <ul style="list-style-type: none"> - Interactive Community Engagement <p><u>How Ministries of Finance Can Support COP30 process</u></p> <ul style="list-style-type: none"> - Maria Netto, Instituto Clima e Sociedade <p><u>Forum Summary and Next Steps</u></p> <ul style="list-style-type: none"> - Forum Organizing Committee Members
12:30	Lunch (Restaurant located on level 1)