



**The Coalition  
of Finance Ministers  
for Climate Action**

# **Resilience Adaptation Mainstreaming Program (RAMP): building capacity at Ministries of Finance through local universities**

**World Resources Institute and SOAS University of London**

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**A contribution to the 'Compendium of Practice from a Global Community of Ministries of Finance and Leading Organizations: Economic analysis and modeling tools to assist Ministries of Finance in driving green and resilient transitions'**

**Topic:** Enhancing analytical capacity in Ministries of Finance

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**Access the full Compendium at [www.greenandresilienteconomics.org](http://www.greenandresilienteconomics.org)**

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**Ministries of Finance (MoFs) play a crucial role in addressing climate change.** Not only do they need to mobilize resources for financing adaptation and mitigation, but they also need to climate-proof public finances and help the economy strengthen its resilience against climate change. To do so, they must have a thorough understanding of the challenges, and how these can be addressed. However, their capacity to do so is often constrained. MoFs often lack the data, models, and skills to make decisions in a climate-informed manner.

**This is where the Resilience and Adaptation Mainstreaming Program (RAMP) comes in.** RAMP leverages leading universities, research institutions, and international technical partners to build the capacity of MoFs in vulnerable countries to better manage climate change risks. The focus of RAMP is on building local capacities and local expertise. This is why RAMP partners with local universities through its University Network, which now has 20 members in Africa, Asia, and the Caribbean and continues to grow.

**The University Network fosters multi-disciplinary academic teaching and research in areas important for strengthening macrofinancial resilience to climate change.** All member universities are committed to building the capacities to carry out relevant high-quality teaching and research, not only to educate the next generation of leaders in their degree programs but also to work with MoFs and other relevant Ministries and support them through professional training.

**The RAMP University Network develops curricula and course materials to enable universities in climate-vulnerable countries to offer high-quality graduate-level teaching and professional training.** This will enable future and current leaders to effectively address climate-related macro-financial risks and vulnerabilities that threaten public finances, financial and macroeconomic stability, and economic development. It will empower them to better address climate risks and vulnerabilities and integrate them into decision-making and planning. Through such capacity-building, the RAMP University Network contributes to systemic change in public financial management, public policy for climate finance, and central banking and financial markets in climate-vulnerable countries.

**One important area where MoFs around the world need support and capacities is macro-modeling.** The current suite of macro-models is largely unfit to properly assess climate risks and impacts. The RAMP University Network has thus started teacher training on macro-modeling and has integrated some macro simulations into practitioner courses for Government officials. For instance, in July 2024 RAMP organized its first in-depth, three-day online workshop on the IMF's Debt-Investment-Growth and Natural Disasters (DIGNAD) model. DIGNAD has become a workhorse model in the IMF to study the effects of climate risk due to natural disasters and how investments in adaptation infrastructure can help mitigate these risks. Learning to apply and further develop the model, and to fit it to a local country context, is a way of supporting MoF officials in better understanding an important tool used by the IMF. Besides integrating DIGNAD into different foundation and advanced courses, RAMP is working to develop a new course centered around ecological stock flow-consistent modeling that can be used by MoFs and other public authorities for tailored country-specific scenario analysis.

**RAMP also supports member universities through research grants, contributing to the development of country-specific knowledge that will support better policymaking.** Thus, the RAMP member universities act as strategic and knowledge partners of MoFs and other Government departments. RAMP is a strategic partner of the Coalition of Finance Ministers for Climate Action and works in close partnership with the Bretton Woods institutions, UNDP, regional development banks, and other stakeholders. RAMP's secretariat is hosted by the World Resources Institute. The RAMP University Network is managed by a Secretariat hosted by the Centre for Sustainable Finance at the School of Oriental and African Studies (SOAS), University of London.