

2018

#GGSD  
Forum



#GGKP6  
Annual Conference

OECD, Paris  
27-29 November



# Agenda & Speakers

Inclusive  
solutions  
for the green  
transition:

Competitiveness,  
jobs and social  
dimensions



# Agenda Overview

## Day 1

Tuesday, 27 November 2018

13:00 - 14:00	Registration	
14:00 - 15:30	Opening Session	Room CC 15
15:30 - 16:00	Coffee break	
16:00 - 17:30	Session 1 - Jobs and skills transition management	Room CC 15

## Day 2

Wednesday, 28 November 2018

09:30 - 11:00	Session 2 - Green growth and competitiveness	Room CC 15
11:00 - 11:30	Coffee break	
11:30 - 13:00	Parallel Sessions	
	<b>Session A</b> Room CC 15 Effects of green growth policies on labour markets	<b>Session B</b> Room CC 13 Policies for regional resilience and distributional impacts
	<b>Session C</b> Room CC 18 Energy pricing and competitiveness	<b>Session D</b> Room CC 24 Green growth strategies for firms
13:00 - 14:30	Lunch break / Side events 1 and 2	Rooms CC 13 & CC 18
14:30 - 16:00	Session 3 - Social impacts of the green transition	Room CC 15
16:00 - 16:30	Coffee break	
16:30 - 18:00	Parallel Sessions	
	<b>Session E</b> Room CC 15 Jobs and green growth	<b>Session F</b> Room CC 13 SMEs and the green transition
	<b>Session G</b> Room CC 24 International competitiveness	<b>Session H</b> Room CC 18 Social impacts of climate policies
18:00 - 19:30	Cocktail Reception	L'Expresso Café, OECD

## Day 3

Thursday, 29 November 2018

09:00 - 10:30	Parallel Sessions	
	<b>Session I</b> Room CC 15 Green transition strategies and employment / skills impacts	<b>Session J</b> Room CC 13 Perceptions of green growth policies
	<b>Session K</b> Room CC 18 Country case studies of green transition strategies	<b>Session L</b> Room CC 24 Firms and green industrial strategy
10:30 - 11:00	Coffee break	
11:00 - 12:30	Session 4 - Green transition in a post-truth world	Room CC 15
12:30 - 13:00	Closing Session and GGKP Partner Signing Ceremony	Room CC 15
13:15 - 14:15	Side event 3	Room CC 16

# Documents



## **A review of “transition management” strategies: Lessons for advancing the green low-carbon transition**

by Enrico Botta, OECD

<https://bit.ly/2OYwWpW>



## **Green policies and firms' competitiveness**

by Antoine Dechezleprêtre, OECD  
Misato Sato, LSE

<https://bit.ly/2Bom4ya>



## **The distributional aspects of environmental quality and environmental policies: Opportunities for individuals and households**

by Alexander Mackie  
Ivan Hašič, OECD

<https://bit.ly/2Q4SJBh>



## **SMEs: Key drivers of green and inclusive growth**

by Shashwat Koirala, OECD

<https://bit.ly/2FynOZY>

# Annotated Agenda

## Background

Global momentum toward sustainable development has been renewed by the success of the 2030 Sustainable Development Agenda and Paris Agreement on climate change. The latest findings by the UN Intergovernmental Panel on Climate Change (IPCC) warn that current efforts to tackle rising temperatures are dangerously off track, while a growing body of evidence shows that accelerating climate action can bring strong, sustainable and inclusive growth. OECD work indicates that if we combine growth enhancing policies and climate action, global GDP in 2050 could be nearly 5% higher from boost in investment and avoided climate damage. Recent work by New Climate Economy and ILO suggest that bold climate action could yield direct economic gains.

At the same time, political priorities have placed inequality, living standards and the fate of 'left-behind' communities at the top of the global agenda. While macro average figures point to a positive growth story of an innovative green future, averages mask the fact that there are pockets of society and regions that face real or perceived negative impacts on competitiveness, jobs and household budgets. Countries and regions need to proactively address such concerns and devise more socially inclusive solutions in order to accelerate the transition to a greener, low-carbon and circular economy. How can a well-managed green transition become a strong driver for job creation, competitiveness and more inclusiveness?

## Objectives

The OECD is holding its 2018 Green Growth and Sustainable Development (GGSD) Forum on the theme “**Inclusive Solutions for the Green Transition: Competitiveness, jobs and social dimensions**” in conjunction with the Annual Conference of the Green Growth Knowledge Platform (GGKP), a joint initiative of the **OECD, Global Green Growth Institute (GGGI), UN Environment and the World Bank**. The conference addresses the political economy of the green transition, by identifying distributional impacts and exploring inclusive solutions for workers, sectors, households and regions that may otherwise be hit hard in order to help them contribute to a greener future. It also considers the role of SMEs in this context. The Forum sessions are developed around **competitiveness, employment** and **distributional impacts** of green policies.

The Forum is aimed at creating a new narrative around green growth and national competitiveness, and examining examples of successful “transition management strategies” that offer inclusive solutions for green growth. It consists of panel discussions among policy makers, business, labour and civil society representatives and academia, as well as presentations of latest research contributed by the OECD, other GGKP partners and beyond.

# Day 1: Tuesday 27 November

13:00 - 14:00 Registration, arrival and seating

14:00 - 15:30 **Opening Session**

**Room CC 15**

## Welcome:

- **Rodolfo Lacy**, Director, Environment Directorate, OECD
- **Ban Ki-Moon**, President of the Assembly & Chair of the Council of the Global Green Growth Institute (GGGI) *by Video Address*

## Keynote address:

- **Nicholas Stern**, IG Patel Professor of Economics and Government, Chair of the Grantham Research Institute on Climate Change and the Environment, London School of Economics

## Labour and business perspective:

- **Montserrat Mir Roca**, Confederal Secretary, European Trade Union Confederation (ETUC)
- **Pierre Vincensini**, Senior Adviser, International Organization of Employers (IOE)

## OECD perspective:

- **Alain de Serres**, Deputy Director, Economics Department, OECD

15:30 - 16:00 Coffee break

**Session 1 - Jobs and skills transition management: Strengthening green human capital**

Many countries, regions and localities have experienced structural changes to their economies with significant employment and distributional impacts. Such transitions have often been part of the dynamic churn of the global economy. From the UK coal mine closures of the 1980s, the winding down of heavy industry sectors such as steel in the US and shipbuilding in Japan, to the digitalisation of today, structural changes with competitiveness and employment impacts have stirred concerns and resistance on the part of affected industries and workers. This session discusses lessons from past structural changes and considers if they are applicable to today's green transition. We explore how worker reallocation, redeployment and re-skilling can be promoted, considering e.g. the specific challenges faced by regions whose economics are based on fossil-fuel extraction or carbon-intensive industries. The role of SMEs will also be considered, as well as the gender dimension in the low-carbon transition, e.g. for the predominately male work-force of extractive industries and other carbon-intensive sectors. What are the best approaches to help workers move from declining industries and regions to those with better growth prospects, with accompanying policies to help individuals upgrade their skills and assist lagging regions with catching up? What role for social safety nets and social dialogue to manage the transition and prepare for the future?

**Moderator:**

- **Steven Stone**, Chief, Resources & Markets Branch, UN Environment

**Scene-setting presentations:**

- **Olivier Deschenes**, Professor of Economics, University of California, Santa Barbara
- **Fabio Manca**, Economist, Directorate for Employment, Labour and Social Affairs, OECD

**Panellists:**

- **Samantha Smith**, Director, Just Transition Centre, ITUC
- **Hanna Finmo**, Assistant Policy Director, Swedish Confederation of Professional Employees (TCO)
- **Catherine Saget**, Chief of Unit, Research Department, International Labour Organization (ILO)

**Discussant:**

- **Peter Glynn**, Australian Chamber of Commerce and Industry, speaking on behalf of the Business Industry Advisory Committee (BIAC).

**Questions for discussion:**

- i) Can the impacts of the green transition on workers be “managed” by traditional job market policies or do they warrant novel approaches? What are the key policy tools?
- ii) What are the relevant lessons from past industrial restructuring for worker redeployment, re-skilling and social compensation? How to best identify in advance the skill needs for a future greener economy?
- iii) To what extent is the transition to a green economy compatible with quality jobs?

# Day 2: Wednesday 28 November

09:30 - 11:00

Room CC 15

## Session 2 - Green growth and competitiveness: Firms who win, firms who lose

Less stringent or less strictly enforced environmental policies in other jurisdictions, and concerns about the resulting negative competitiveness impacts for domestic firms, are often used by politicians as justification for not introducing more ambitious environmental policies. However, OECD analysis shows that more stringent environmental policies can lead to enhanced productivity gains for more technologically advanced firms. Moreover, efficient policy design can be a more important determinant of competitiveness impacts than stringency per se. Similarly, while recent work shows that an increase in relative energy prices has a negative effect on trade flows and foreign direct investment, the scale of these impacts is very small compared with other determinants of trade and investment location choices such as transport costs, proximity to demand or the skill sets of local workers.

### Moderator:

- **Rodolfo Lacy**, Director, Environment Directorate, OECD

### Scene-setting presentation:

- **Carolyn Fischer**, Professor of Environmental Economics, Free University, Amsterdam

### Panellists:

- **Norbert Kurilla**, State Secretary, Ministry of Environment, Slovak Republic
- **Stephen Sicars**, Director, Environment Branch, United Nations Industrial Development Organization (UNIDO)
- **Tilman Altenburg**, Head of Sustainable Economic and Social Development, German Development Institute (DIE); Chair of GGKP Research Committee on Competitiveness
- **Donal O'Riain**, Managing Director, Ecocem Materials Ltd, Ireland

### Questions for discussion:

- i) How to design green transition policies to prevent adverse impacts on competitiveness without dampening incentives to develop cleaner processes and products?
- ii) What combinations of environmental and complementary (e.g. R&D) policies best encourage green innovation?
- iii) What should be the key priorities for government strategies for aligning sustainability and competitiveness in international supply chains?
- iv) Can the green transformation enable developing countries to 'leapfrog' into new leading industries given that green innovation is heavily concentrated in more advanced countries?

11:00 - 11:30 Coffee break

11:30 - 13:00

Parallel Sessions - Presentations of selected papers

Session A  
Room CC 15

Effects of green growth policies on labour markets

*"The greening of jobs in Germany: First evidence from a text mining based index and employment register data"* by **Markus Janser**, German Institute for Employment Research

*"Characterising green employment: The impacts of 'greening' on workforce composition"* by **Eileen Tipoe**, University of Oxford, UK

*"Climate Policies and Skill-Biased Employment Dynamics: Evidence from EU countries"* by **Francesco Vona**, OFCE Sciences Po, **Giovanni Marin**, University of Urbino, Italy

Session B  
Room CC 13

Policies for regional resilience and distributional impacts

*"Distributional consequences of coastal risk management policies under sea-level risk: a survey of OECD country approaches"* by **Lisa Danielson**, OECD

*"Climate Change Adaptation in the Philippines: Case and Policy Analysis of the People's Survival Fund"* by **Maria Angela Zafra**, Ateneo da Davao University, Philippines

*"The Social and Environmental Dimensions of China's Spatial Planning System"* by **Christina Wong**, Chinese Academy of Sciences, DRC

Session C  
Room CC 18

Energy pricing and competitiveness

*"Political Economy Determinants of Carbon Pricing"* by **Sebastian Levi**, Free University of Berlin, Germany

*"Too Much Energy: The Perverse Effect of Low Fuel Prices"* by **Giorgio Presidente**, World Bank

*"Energy pricing and competitiveness: Firm level evidence from Indonesia"* by **Jun Rentschler**, World Bank

*"Social effects of carbon taxes on households: impacts, behaviours, solutions"* (original paper in French) by **Mathilde Clément**, Ministry for Ecological and Inclusive Transition

Session D  
Room CC 24

Green growth strategies for firms

*"Green Investment and Organizational Performance: Evidence from the Nigerian Pulp and Paper Industry"* by **Joseph Adelegan**, University of Venda, South Africa

*"Nordic businesses on climate transition, competitiveness and growth: An interview study among leading businesses in the Nordics"* by **Nils Westling**, Haga Initiative

*"How does going green affect firms' profitability and valuation? Evidence from a global firm level dataset"* by **Tobias Kruse**, LSE, UK

13:00 - 14:30 Lunch break



**Side Event 1**

**Room CC 18**

**Investing in Resource Efficiency – The Economics and Politics of Financing the Resource Transition**

An expert panel of Paul Ekins (University College London (UCL), Antonia Gawel (World Economic Forum) and Rob Dellink (OECD) discusses practical and policy relevant approaches to overcome barriers and create smart incentives for leveraging resource efficiency investments, reflect on their impact on competitiveness, and seek to provide policy options for mitigating potential adverse effects of the resource transition – thereby advancing the Green Growth agenda. Drawing on insights from the book *Investing in Resource Efficiency – The Economics and Politics of Financing the Resource Transition* (Springer, 2018) edited by Florian Flachenecker (OECD & UCL) and Jun Rentschler (World Bank & Payne Institute).

**A light lunch will be provided.**

**Side Event 2**

**Room CC 13**

**Introducing the Green Finance Platform and the Green Industry Platform  
– Hosted by Green Growth Knowledge Platform (GGKP)**

The Green Growth Knowledge Platform (GGKP) will introduce two new knowledge platforms: the Green Industry Platform (GIP), originally an initiative of UNIDO and UN Environment, and the Green Finance Platform (GFP). Building on the successful GGKP model, the new Platforms will work to provide the business and finance communities with relevant guidance, best practices, tools and data to support their sustainability efforts. The event will include a presentation of the new platforms from a user perspective, as well as how new partners focused on green industry and green finance can join this growing network of institutions and experts.

**A light lunch will be provided.**

**Session 3 - Social impacts of the green transition**

Social and political support for the transition towards a green and low-carbon future depends on whether its costs and benefits are distributed across society in a fair and transparent manner. There is increasing evidence that poorer neighbourhoods face greater exposure to air pollution and other environmental risks. At the same time, low-income households may be more vulnerable to higher energy or water prices. This session discusses recent evidence on how the consequences of both environmental policies and exposure to pollution vary with household income and with other socio-demographic characteristics. The discussion builds on insights, e.g. from energy pricing or subsidy reforms, resource and water pricing and other policies to preserve biodiversity and other natural capital, energy efficiency programs, which may have negative impacts on household budgets or livelihood of communities. The session also examines how green growth policies could also address poverty reduction. How can cities or local authorities promote a more social inclusion and environmental improvements via, for instance, housing or transport policies? Can they help to meet both inclusive and green objectives?

**Moderator:**

- **Marianne Fay**, Chief Economist, Sustainable Development, the World Bank

**Scene-setting presentation:**

- **Ian Parry**, Principal Environmental Fiscal Policy Expert, International Monetary Fund (IMF)

**Panellists:**

- **Theresa Griffin**, MEP for the North West of England; EU Observatory on Energy Poverty
- **Benjamin Gestin**, Director General, Water, City of Paris
- **Nicholas Howarth**, Energy Transitions & Environment, KAPSARC, Saudi Arabia
- **Kevin Chika Urama**, Professor, Senior Advisor to the President of the African Development Bank (AfDB), formerly the Inaugural Managing Director of the Quantum Global Research Lab.

**Questions for discussion:**

- i) What approaches exist to balance affordability vs. higher energy bills from subsidy reform or carbon pricing to promote the low-carbon transition?
- ii) How to implement policies to conserve and sustainably use natural resources while minimising loss of livelihoods for communities that rely on fisheries and other natural-resource-based activities?
- iii) Are inclusive growth policies compatible with green growth policies? How to design and implement policies, reflecting the economic, social and environmental pillars of sustainable development?
- iv) How to ensure that national and local policies are aligned so that green measures lead to more inclusive outcomes at all levels?

16:00 - 16:30 Coffee break

16:30 - 18:00

Parallel Sessions - Presentations of selected papers

Session E  
Room CC 15

Jobs  
and green growth

*"Impacts of Green Growth Policies on Labour Markets and Wage Income Distribution: A General Equilibrium Application to Climate and Energy Policies"* by **Jean Chateau**, OECD

Presentation *"Recent developments in assessing green employment in low and middle income countries: Experiences from ILO and GGGI"* by **Moustapha Kamal Gueye**, International Labour Organization (ILO) and **Stelios Grafakos** Global Green Growth Institute (GGGI).

*"Green Jobs in the Forest Sector / Trends in Green Forest Jobs: An analysis of green forest jobs' trends and their implications for the sector"* by **Alicja Kacprzak**, UNECE Food and Agriculture Organization

Session F  
Room CC 13

SMEs and the green  
transition

*"Role of SMEs in the green and 'inclusive' transition in Africa"* by **Alice Kaudia**, Eco-Entrepreneurs Ltd.

*"Scaling up and Mainstreaming Resource Efficient and Cleaner Production in Small and Medium Enterprises: achievements and lessons learned in the European Union's Eastern Partnership Region"* by **Stephan Sicars**, UNIDO

*"Micro and Small Enterprises - Striving towards a greener economy"* by **Anshul Bhamra**, Development Alternatives Group

Session G  
Room CC 24

International  
competitiveness

*"The Effect of Environmental Provisions in Trade Agreements on International Trade"* by **Clara Brandi**, German Development Institute

*"Is an accelerated mitigation strategy compatible with a competitive and equitable transition?"* by **Arpad Cseh**, Climate Moonshot Initiative

*"Barriers to Trade in Environmental Goods: How Important they are & what should developing countries expect from their removal"* by **Jaime de Melo**, Geneva University, Switzerland

Session H  
Room CC 18

Social impacts of  
climate policies

*"Impact of Adaptation to Climate Change on Household Food Security and Incomes in Ferlo Semi-arid Area, Northern Senegal"* by **Saboury Ndiaye**, Agriculture Development Project of Matam (PRODAM) Senegal

*"Social impacts of climate change mitigation policies and their implications for inequality"* by **Sanna Markkanen**, University of Cambridge, UK

*"Distributional Impacts of Climate Mitigation Policies - a Meta-Analysis"* by **Nils Ohlendorf**, Mercator Research Institute on Global Commons and Climate Change (MCC)

18:00 - 19:30 Cocktail Reception

L'Expresso Café, OECD

# Day 3: Thursday 29 November

09:00 - 10:30

Parallel Sessions - Presentations of selected papers

## Session I Room CC 15

Green transition strategies and employment / skills impacts

*"Employment Protection, Collective Bargaining, and Labour Market Resilience - The Swedish Transition Agreements"* by **Samuel Engblom**, Swedish Confederation of Professional Employees (TCO)

*"Green industrial path development in Swedish regions: Case of bio-economy initiatives in Skåne and Värmland"* by **Suyash Jolly** and **Teis Hansen**, Lund University, Sweden

*"Employment impact of the transition to a circular economy in Flanders"* by **Kris Bachus**, KU Leuven, Belgium

## Session J Room CC 13

Perceptions of green growth policies

*"Should individuals who are adversely affected by mitigation be compensated? Evidence from a survey experiment in the United States"* by **Brilé Anderson**, OECD

*"Is prioritization possible? Experts' perceptions of obstacles and responses to staying below 2°C"* by **Ulrike Kornek**, Mercator Research Institute on Global Commons and Climate Change (MCC)

*"Perceived effectiveness of climate change mitigation policies"* by **Eva Kyselá**, Charles University, CZE

## Session K Room CC 18

Country case studies of green transition strategies

*"Welfare and Environmental Impact of Incentive Based Conservation: Evidence from Kenyan Community Forest Associations"* by **Bosco Okumu**, University of Cape Town, SA

*"Greening Industry in Vietnam: Environmental Standards and Resource Efficiency in SMEs"* by **Dalia Fadly**, Philipps University of Marburg, Germany

*"Growth Through Diversification and Energy Efficiency: Energy Productivity in Saudi Arabia"* by **Nicholas Howarth**, King Abdullah Petroleum Studies and Research Center (KAPSARC)

## Session L Room CC 24

Firms and green industrial strategy

*"State-Owned Enterprises and the Low-Carbon Transition"* by **Dirk Röttgers**, OECD

*"Resource Efficient Eco-Innovations for a Circular Economy: Evidence from EU Firms"* by **Massimiliano Mazzanti**, University of Ferrara, Italy

*"Multinational Corporations and the EU Emissions Trading System: Asset Erosion and Creeping Deindustrialization?"* by **Nils Aus Dem Moore**, RWI - Leibniz Institute for Economic Research

10:30 - 11:00 Coffee break

**Session 4 - Special Panel Discussion - Green transition in a post-truth world:  
How to close the gap between perception and empirical evidence?**

The final Plenary considers why there may be gaps between public perceptions and empirical evidence showing that impacts of environmental policies on firm or sectoral competitiveness are rather limited, as suggested by several studies. Furthermore, the discussion addresses how countries can advance on the green transition in the “post-truth” era. How can governments do their job of evidence-based policy making to address environmental challenges when citizens doubt the scientific evidence or dismiss expert advice? Understanding the actual preferences of citizens and consumers and therefore their consequent behaviour and choices is critical, and there could be behaviour-informed methods or tools that de-bias existing mechanisms to understand or get closer to “the truth”.

**Moderator:**

- **Roger Dungan**, Deputy Permanent Representative to the OECD, New Zealand

**Scene-setting presentations:**

- **Cameron Hepburn**, Professor of Environmental Economics, SSEE, Oxford University, UK

**Panellists:**

- **Edgar Gutierrez-Espeleta**, former Minister of Environment and Energy, Costa Rica
- **Elke Weber**, Professor of Energy and Environment; Professor of Psychology and Public Affairs, Princeton University, USA
- **Simon Kuper**, Journalist, Financial Times
- **Anthony Cox**, Deputy Director, Environment Directorate, OECD

**Questions for discussion:**

- i) How can countries advance on the green transition in the “post-truth” era?
- ii) How are the risk and benefit perceptions of citizens and businesses formed? How to close the gap between perception and empirical evidence? Have experts truly lost importance in the current public debate?
- iii) How to better understand the true preferences of citizens? What lessons from behavioral sciences can be applied in improving the design and delivery of policies for the green transition? What role for the OECD and other partners?

12:30 - 13:00

Room CC 15

## Closing Session: Future Collaboration under the GGKP

### Moderator:

- **Ben Simmons**, Head of Secretariat, Green Growth Knowledge Platform

### Closing Remarks:

- **Masamichi Kono**, Deputy Secretary-General, OECD

### Future collaboration under the GGKP Partners:

- **Stephan Sicars**, Director, Environment Branch, United Nations Industrial Development Organization (UNIDO)
- **Ligia Noronha**, Director, Economic Division, United Nations Environment Programme (UN Environment)
- **Marianne Fay**, Chief Economist for Climate Change, World Bank
- **Orestes Anastasia**, Deputy Head, Office of Thought Leadership and Head of Knowledge Sharing, Global Green Growth Institute (GGGI)
- **Kumi Kitamori**, Head of Green Growth, Environment Directorate, OECD



13:15 - 14:15

Room CC 16

### Side Event 3 - Concept Methods of GGGI's Green Growth Index

The Green Growth Index and Simulation Tool provide an integrated assessment approach. This event will give an overview of latest innovations in concept and methods and focus on the policy relevance of indicators that frame the Green Growth Index. It will include a discussion with GGGI staff presenting their latest findings.

**A light lunch will be provided.**

2018  
Green  
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Sustainable  
Development  
Forum

&

Green  
Growth  
Knowledge  
Platform  
6th  
Annual  
Conference



# Speakers and Panellists

Rodolfo Lacy	Marianne Fay
Ban Ki-Moon	Ian Parry
Nicholas Stern	Theresa Griffin
Montserrat Mir Roca	Benjamin Gestin
Pierre Vincensini	Nicholass Howarth
Alain de Serres	Kevin Chika Urama
Steven Stone	Roger Dungan
Olivier Deschenes	Cameron Hepburn
Fabio Manca	Edgar E. Gutiérrez-Espeleta
Samantha Smith	Elke Weber
Hanna Finmo	Simon Kuper
Catherine Saget	Anthony Cox
Carolyn Fischer	Benjamin Simons
Norbert Kurilla	Masamachi Kono
Stephan Sicars	Orestes Anastasia
Tilman Altenburg	Ligia Noronha
Donal O'Riain	Kumi Kitamori



# Opening Session



**Rodolfo Lacy**  
*Director, Environment Directorate, OECD*

Dr. Lacy holds a Doctorate Degree in Environmental Science and Engineering from the Universidad Autónoma Metropolitana (Mexico), a Master's Degree in Urban Studies and Planning from the Massachusetts Institute of Technology (MIT), a Bachelor's Degree in Environmental Engineering from the Universidad Autónoma Metropolitana (Mexico) and a certificate in Leadership on Environment and Sustainable Development from El Colegio de México.

Dr. Lacy has been Vice Minister of Environmental Policy and Planning at the Ministry of Environment and Natural Resources of Mexico (2012-2018), Chief negotiator of Climate Change (COP19-COP23), Co-chair of the Global Methane Initiative, Member of the High-Level Group of the Global Environmental Outlook (GEO6), and Board Member of the Climate Action Reserve in California, USA.

Dr. Lacy has had extensive experience in policy making in the field of environment. He held the following positions:

- Technical Director at Mario Molina Center for Energy and Environmental Strategic Studies (2005-2012), a policy research NGO lead by Dr. Mario Molina, a chemist Nobel Prize laureated for his scientific work in the depletion of the ozone layer;
- Chief of Staff for the Minister of Environment and Natural Resources (2000-2003);
- Founder President of the Mexican Environmental Engineering Association CINAM (1996-1998);
- General Director of Environmental Projects and Studies and of Environmental Pollution Control and Prevention - Mexico City Government (1989-1997);
- Director of Environmental Planning at the Ministry of Urban Development and Ecology (1982-1987); among other relevant assignments.



**Ban Ki-Moon**  
*President of the Assembly & Chair of the Council  
of the Global Green Growth Institute (GGGI)*

Since February 20, 2018, Mr. Ban Ki-moon is the President of the Assembly and Chair of the Council of the Global Green Growth Institute. His leadership has been instrumental for the Institute to help its Members to successfully adopt the green growth model of development, which is strongly in line with the work he spearheaded at the United Nations.

Previously, Mr. Ban served two consecutive terms as the Secretary-General of the United Nations from 2007 to 2016, during which time he worked to build bridges, to give voice to the world's most vulnerable and neglected people, and to bring transparency and effectiveness to the UN. He successfully initiated global action to combat climate change and worked closely with member states to shape the 2030 Agenda for Sustainable Development and to establish UN Women.

Prior to leading the UN, Mr. Ban was Minister of Foreign Affairs and Trade of the Republic of Korea, capping his 37-year career with the Ministry.

Mr. Ban holds a bachelor's degree in International Relations from Seoul National University and a master's degree in Public Administration from the Kennedy School of Government at Harvard University.

**Nicholas Stern**  
*IG Patel Professor of Economics and Government,  
Chair of the Grantham Research Institute on Climate Change  
and the Environment, London School of Economics*



Professor Stern is the IG Patel Professor of Economics and Government, Chairman of the Grantham Research Institute on Climate Change and the Environment and Head of the India Observatory at the London School of Economics. President of the British Academy, July 2013 – 2017, and was elected Fellow of the Royal Society in 2014.

Professor Stern has held academic appointments in the UK at Oxford, Warwick and the LSE and abroad including at the Massachusetts Institute of Technology, the Ecole Polytechnique and the Collège de France in Paris, the Indian Statistical Institute in Bangalore and Delhi, and the People's University of China in Beijing.

He was Chief Economist of the European Bank for Reconstruction and Development, 1994-1999, and Chief Economist and Senior Vice President at the World Bank, 2000-2003.

He was Second Permanent Secretary to Her Majesty's Treasury from 2003-2005; Director of Policy and Research for the Prime Minister's Commission for Africa from 2004-2005; Head of the Stern Review on the Economics of Climate Change, published in 2006; and Head of the Government Economic Service from 2003-2007.

He was knighted for services to economics in 2004, made a cross-bench life peer as Baron Stern of Brentford in 2007, and appointed Companion of Honour for services to economics, international relations and tackling climate change in 2017. He has published more than 15 books and 100 articles and his most recent book is "Why are We Waiting? The Logic, Urgency and Promise of Tackling Climate Change".

**Montserrat Mir Roca**  
*Confederal Secretary,  
European Trade Union Confederation (ETUC)*



Montserrat Mir Roca was elected as ETUC Confederal Secretary at the Paris Congress in 2015. She started work as a temporary employee with the Spanish postal service Correos in 1983. She was elected as General Secretary of the CC.OO postal section in her hometown of Girona, Catalonia, in 1996 – a position she held for 10 years.

From 2000 onwards, as International Secretary of CC.OO's postal section, she was active in the sector's European Dialogue Committee and attended meetings of the European Commission's DG Employment and DG Internal Market. Montserrat was also a founding member of the European Social Observatory in the postal sector.

She became a member of the CC.OO national executive in 2008. In 2013, the union elected Montserrat as International and Cooperation Secretary at its 10th Congress in Madrid. As a deputy member of the ITUC General Council (2013-2014), she took part in trade union delegations to the ILO, IMF and World Bank, G20.

Prior to her trade union career, Montserrat studied public relations at the University of Girona and worked in local radio, an art gallery and as a book editor.

She was elected as ETUC Confederal Secretary at the Paris Congress in 2015 and is responsible for Clime, Energy, Sustainable Development, Gender Equality, and Corporate Social Responsibility.



**Pierre Vincensini**  
*Senior Adviser, International Organization of Employers (IOE)*

Pierre Vincensini is a senior adviser at the International Organisation of Employers (IOE). Pierre mainly deals with employers' activities related to the International Labour Organization (ILO Governing Body and International Labour Conference). His areas of responsibility include social and labour issues related to the environment and sustainability, including Sustainable Development Goals, development cooperation, social protection floors as well as occupational safety and health. Pierre is also leading the GOSH network, an exclusive information-sharing platform on OSH for multinational enterprises. Prior to joining the IOE, Pierre worked for the *Mouvement des Entreprises de France* (MEDEF), advising and assisting French companies on European and international labour law. He was also in charge of MEDEF's engagement with civil society. He then took a position at Business France - the French international development agency where he was, among other things, responsible for special events such as the mobilisation of French companies for the Japanese recovery program post-Fukushima, which included safety and green solutions providers. Pierre is graduated in political sciences (*Sciences Po*) and holds two master's degrees, one in economics and the other in social affairs.



**Alain de Serres**  
*Deputy Director,  
Economic Department, Policy Studies Branch, OECD*

Alain de Serres is currently Deputy Director in the Policy Studies Branch of the OECD Economics Department. His responsibilities include testing and applying innovative analytical frameworks to look for effective and integrated solutions to major economic challenges. The main focus of his work is to examine how different institutional and policy settings – in particular in the areas of regulation and taxation – affect employment and productivity growth through their impact on trade, innovation and financial development. He also contributes to OECD work for the G20 and G7 under the co-ordination of the Sherpa. Before that he was Head of the Structural Policies Surveillance Division in the OECD Economics Department, supervising the preparation and publication of the annual Going for Growth report. He has recently worked on the policy determinants of investment in knowledge-based capital. Prior to that he has contributed to the development a framework for the analysis of green growth policies as well as to the completion of an OECD Report on the economics of climate change mitigation. Part of this work has been published in journals such as *Economic Policy*, *European Economic Review*, *Environmental and Resource Economics* and the *Journal of Economic Geography*. Alain is Canadian and before joining the OECD, he worked for many years at the Bank of Canada and the Ministry of Finance in Ottawa.

# Session 1

## Jobs & skills transition management: Strengthening green human capital

**Steven Stone**  
*Chief, Resources and Markets Branch*  
*UN Environment, Geneva*



Steven Stone is Chief of UN Environment's Resources & Markets Branch (ETB). He holds a PhD in Resource Economics from Cornell University and has more than 20 years of professional experience in environmental and natural resource management.

As Chief of Branch, Steven directs a team dedicated to furthering the knowledge base and outreach and support to countries on environmental and resource economics as key components of economic, trade and investment policy. Some of the key flagships he has helped to incubate include the Green Economy Initiative, the Economics of Ecosystems and Biodiversity (TEEB), and the Partnership for Action on Green Economy (PAGE), among others.

Prior to joining UN Environment, Steven worked at the Inter-American Development Bank, serving in a number of capacities from Resource Economist in Washington to Environmental Specialist in the Bank's offices in both Jamaica and Ecuador to Country Representative in Honduras. Before joining IDB, Steven led field research in Brazil as part of the team at the Instituto do Homem e Meio Ambiente in Belem, Para for a number of years. He has also worked at the World Bank on resource and agricultural economics with Uma Lele, among others.

Steven earned an M.Sc. and Ph.D. in Resource Economics from Cornell University, following his B.A. with Honors from Swarthmore College. He has authored and co-authored numerous journal articles and blogs in the field of environmental and resource economics, and in addition to his ongoing responsibilities at UN Environment also serves on the Advisory Board of the Center for International Environmental Studies at the Graduate Institute in Geneva.

**Olivier Deschenes**  
*Professor of Economics, University of California, Santa Barbara*



Olivier Deschenes is Professor of Economics at the University of California Santa Barbara, where he is also affiliated with the Bren School of Environmental Science and Management. He is also Research Associate at the National Bureau of Economic Research (NBER) and holds a Ph.D. in Economics from Princeton University.

Deschenes' recent research seeks to determine the potential economic impacts of climate change on human health and economic productivity in the U.S. and around the world using historical data. His ongoing research examines the effect of energy prices on labor markets in the context of climate policies, the relationship between extreme temperature and health in India and the effect of temperature and ambient pollution fluctuations on worker productivity.



**Fabio Manca**

*Economist, Directorate of Employment, Labour and Social Affairs, OECD*

Fabio Manca is a labour market economist at the OECD in the Directorate for Employment Labour and Social Affairs. His work focuses on the analysis of the drivers and consequences of skill mismatch and shortage in the labour market. He is the main author of several OECD publications looking at the role played by Skills Assessment and Anticipation Systems in addressing skills imbalances and various others on the impact of Science and Technology Policy on economic growth. Fabio is now co-ordinating the work on the construction of the new OECD Skills for Jobs indicators and the “Getting Skills Right” country review series.

Prior to joining the OECD, Fabio worked as an economist in the Joint Research Centre of the European Commission on the development of the RHOMOLO model to study the impact of cohesion funds and the allocation of human capital and on regional economic growth. Fabio has a PhD in Economics from the University of Cagliari and MSc in Economics from the University of Warwick. He is been research fellow at the Universitat Pompeu Fabra as well as at the Universitat de Barcelona, and the Institute for International Economics in Valencia. He has published several articles in peer-reviewed international journals on skills, human capital and innovation.



**Samantha Smith**

*Director, Just Transition Centre, ITUC*

Samantha Smith is the director of the Just Transition Centre, working for a just transition for workers and communities. The Centre was established by the International Trade Union Confederation and partners to get concrete plans for just transition at all levels.

Previously Sam was the global climate and energy leader for WWF, the world’s largest conservation organization. She also served as the Director of WWF’s Arctic Programme, working with communities, indigenous peoples organizations, and government.

Sam has held senior roles within the New Energy division of Statoil in Norway, leading teams on CO2 projects as well as commercial management of large-scale renewable energy projects

Sam started her career as a corporate litigation attorney specializing in finance in the United States. She received multiple awards for rights-based pro bono work on racial justice, reproductive rights and poverty. Sam has degrees in history and law from the University of California, Berkeley.



**Hanna Finmo**

*Assistant Policy Director, Swedish Confederation of Professional Employees (TCO)*

The Swedish Confederation of Professional Employees, a trade union confederation comprising 14 affiliates that together organise around 1.4 million members. It represents the social and political interests of the white-collar movement and its well-educated and professional members.



**Catherine Saget**

*Chief of Unit, Research Department, International Labour Organization (ILO)*

Catherine Saget is a Chief of Unit with the Research department of the International Labour Office (ILO) and the lead author of the ILO flagship Greening with Jobs released in May 2018. She has also contributed to the setting up of a unit on wages within the ILO and has worked on employment policy at times of economic crisis.

As an Economist with the Organisation for Economic Cooperation and Development (OECD) between 2006 and 2007, she participated in the OECD thematic review on youth employment policies.

She holds a Ph.D. in Economics from the European University Institute in Florence (Italy).

# Session 2

## Green growth and Competitiveness: Firms who win, firms who lose

**Carolyn Fischer**  
*Professor of Environmental Economics, Free University,  
Amsterdam*



Carolyn Fischer is a senior fellow at Resources for the Future and currently a Marie Skłodowska–Curie Fellow of the European Commission, visiting at the Fondazione Eni Enrico Mattei (FEEM) in Venice, Italy. Her research focuses on policy mechanisms and modeling tools that cut across a variety of environmental and resource management issues. In the areas of climate change and energy policy, she has published articles on designing cap-and-trade programs, fuel economy standards, renewable portfolio standards, energy efficiency programs, technology policies, the Clean Development Mechanism, and the evaluation of international climate policy commitments. A recent focus of her research is the interplay between international trade and climate policy, options for avoiding carbon leakage, and the implications for energy-intensive, trade-exposed sectors. In areas of natural resources management, she has addressed issues of eco-certification, wildlife conservation, invasive species, and biotechnology, with particular emphasis on the opportunities and challenges posed by international trade.

Fischer joined RFF in 1997, after earning her PhD in economics from the University of Michigan at Ann Arbor. She is also a fellow of the CESifo Research Network and a member of Environment Canada's Environmental Economics and Policy Research Network. Previously, she has been a visiting professor at Gothenburg University; a Dahrendorf Visiting Fellow at the London School of Economics; a UCE3 Senior Fellow at the University of California Santa Barbara; and a fellow at the Center for Advanced Study of the Norwegian Academy of Science and Letters. She has also taught at Johns Hopkins University, consulted for the World Bank Group, and was a staff economist for the Council of Economic Advisers. She has served on the board of directors of the Association of Environmental and Resource Economists, and currently serves on the scientific board of Economics for Energy and the economics advisory board of Environmental Defense Fund. She has been associate editor of *Resource and Energy Economics* and currently serves on the editorial board of the *Review of Environmental Economics and Policy* and the *International Review of Environmental and Resource Economics*.

**Norbert Kurilla**  
*State Secretary, Ministry of Environment,  
Slovak Republic*



Norbert Kurilla is State Secretary at the Ministry of Environment of the Slovak Republic as of March 2016. He is responsible for numerous environmental and climate policies including international and EU affairs. He was in charge of the Slovak Presidency in the Council of the European Union on environmental affairs in 2016. He started his career at the Ministry of Environment as EU affairs coordinator. During 2007 – 2014 served as environmental diplomat at the Permanent Representation of the Slovak Republic to the European Union in Brussels. Upon his return he became Director General of the Environmental Policy Directorate at the Ministry of Environment. He is a Management Board member of the European Environmental Agency, vice-chair of the OECD Green Action Task Force and supervisory board member of the Slovak Investment Holding. Norbert Kurilla has M. A. degree (2003) in international economic relations and is a Ph.D. (2007) holder from the Faculty of International Relations at the University of Economics in Bratislava, majoring in international relations. During his academic and professional years he underwent several studies, exchanges and trainings abroad e.g. Sejong University in South Korea, Dresden, Germany, Gent University in Belgium, UNEP in Kenya, Clingendael Institute in the Netherlands or European Institute of Public Administration in Belgium.



**Stephan Sicars**  
*Director, Environment Branch,  
United Nations Industrial Development Organization (UNIDO)*

Mr. Sicars holds a Master's Degree in Mechanical Engineering from the University of Hanover, Germany, specialised in Energy- and Process Engineering.

He was working for, and subsequently managing, the Research Centre for Refrigeration and Heat Pumps (FKW) in Germany. Later, he worked as a consultant on environmental issues undertaking research projects for clients such as international industries, NGOs and governments. He implemented Montreal Protocol projects in India and China, and for eight years, he was part of delegations to the Executive Committee of the Multilateral Fund and to the Meeting of the Parties of the Montreal Protocol. He was a member of the Refrigeration Technical Option Committee and of the TEAP task forces, was also a coordinating lead author for IPCC, and received the US-EPA Ozone Award.

Subsequently, he worked as a Senior Programme Officer with the Multilateral Fund. In June 2014, he was appointed Director of the Montreal Protocol Branch, and in February 2015, Director of the newly created Department of Environment of UNIDO.



**Tilman Altenburg**  
*Head of Sustainable Economic and Social Development,  
German Development Institute (DIE); Chair of GGKP Research Committee  
on Competitiveness*

Dr. Tilman Altenburg, born 1959, is an economic geographer and head of the research programme "Transformation of Economic and Social Systems" at the German Development Institute (DIE), the German think tank for development policy issues. Since 1986, Dr Altenburg has done empirical research in several developing countries including Mexico, Costa Rica, Panama, Honduras, India, Thailand, Malaysia, Vietnam and Ethiopia. He has published various articles and books on competitiveness, knowledge-based development, innovation systems, industrial policy, clusters and value chains, entrepreneurship development, and public-private partnerships.



**Donal O'Riain**  
*Managing Director,  
Ecocem Materials Ltd, Ireland*

Donal O'Riain is the founder and managing director of Ecocem Materials Limited. He is graduated from Engineering in University College Dublin and completed an MBA in Trinity before becoming a management consultant for KPMG. In 2000, Donal O'Riain created Ecocem and built it into the European market leader in the production of low carbon cements based on GGBS (Ground Granulated Blastfurnace Slag) technology. Ecocem currently has a production capacity of 2.4 Mt and 115 employees in four plants, two of which are operated as part of a JV with ArcelorMittal.

# Session 3

## Social Implications of the green transition

**Marianne Fay**  
*Chief Economist for Sustainable Development,  
The World Bank*



Marianne Fay is currently the Chief Economist of the Sustainable Development Vice-Presidency at the World Bank. She previously served as the Chief Economist for Climate Change. She contributed to a number of World Development Reports, notably the *World Development Report 2010* on Development and Climate Change which she co-directed, and led a number of recent World Bank reports, such as *Inclusive Green Growth: the Pathway to Sustainable Development* and *Decarbonizing Development: Three Steps to a Zero-Carbon Future*. She has held positions in different regions of the World Bank (Eastern Europe and Central Asia, Latin America and the Caribbean, Africa), working on infrastructure, urbanization, and climate change. She is the author of a number of articles and books on these topics. Marianne Fay is a founding member of the Green Growth Knowledge Platform. Marianne Fay holds a PhD in Economics from Columbia University.

**Ian Parry**  
*Principal Environmental Fiscal Policy Expert,  
International Monetary Fund (IMF)*



Ian Parry leads the environment, climate, and energy program in the Fiscal Affairs Department of the IMF. Prior to joining the IMF in 2010, Parry was at Resources for the Future for 15 years, where he was first appointee to the Allen V. Kneese Chair in Environmental Economics. He holds a PhD in economics from the University of Chicago. Parry's research focuses on the development of analytical models to quantify the economic impacts and efficient levels of a wide range of environmental, energy, and transportation policies. His work emphasizes the critical role of fiscal instruments to address externalities and raise revenue. Parry has published over 60 papers in professional journals and has written numerous other scholarly articles. His recent (co-authored or co-edited) books include *Fiscal Policy to Mitigate Climate Change: A Guide for Policymakers*; *Issues of the Day: 100 Commentaries on Environmental, Energy, Transportation, and Public Health Policy*; *Getting Energy Prices Right: From Principle to Practice*; and *Implementing a US Carbon Tax: Challenges and Debates*.

**Theresa Griffin**  
*MEP for the North West of England;  
EU Observatory on Energy Poverty*



Theresa Griffin joined the European Parliament in May 2014, representing the North West England as top candidate. Theresa is a full member of the Committee on Industry, Research and Energy (ITRE) and is Chair of the European Parliamentary Labour Party. Currently the Vice President of EUFORES, she has been tackling energy poverty and campaigning for a 'just transition' to a carbon neutral Energy Union since joining the Parliament. Theresa has since gone on to win the Energy MEP of the Year in 2017, testament to her dedication in this field.

From fuel poverty, regional funding, health research and the promotion of the digital single market, her commitment to equality is shown throughout her work in the European Parliament. She is also actively involved in the Parliament's Intergroups on LGBTI, Trade Unions and Children's Rights, to name a few.

Born to Irish immigrant parents, Theresa grew up in Coventry, she has a First Class BA Honours and a Masters Degree from Lancaster University. Theresa's early career was in community theatre, later becoming Director of Communications and Research at Arts Council North West.

In 1994, Theresa was elected to Liverpool City Council, where she chaired the Economic Development and European Affairs Committees. Theresa was instrumental in bringing millions of pounds of European investment to the North West region.

Theresa is a committed trade unionist and has campaigned closely with unions on rights for workers and young people as well as against the far right.





**Benjamin Gestin**  
*Director General, Eau de Paris,*  
*City of Paris*

Benjamin Gestin is General Director of Eau de Paris, a public operator in drinking water service for the City of Paris, since 2016. As a former student from l'Ecole Normale Supérieure de Paris, the Institut des Etudes Politiques, and l'Ecole Nationale d'Administration (Simone Veil promotion), he notably worked at the Musées de France department (Ministry of Culture and Communication), at the French Embassy in India, and at the National Monument Center.



**Nicholas Howarth**  
*Energy Transitions & Environment, KAPSARC, Saudi Arabia*

Nicholas Howarth is a Research Fellow at the King Abdullah Petroleum Studies and Research Center (KAPSARC) leading work on energy productivity, or how greater economic, social and environmental value can be gained from energy use. His current research focuses on the possible energy transition pathways associated with Saudi Arabia's Vision 2030 economic transformation plans, particularly the roles of energy price reform, energy efficiency and economic diversification. In addition to advising government stakeholders, this research has been undertaken in partnership with the United Nations Economic and Social Commission for West Asia (UNESCWA) and leading international research centers including the Energy Research Institute (ERI) in China. It has been featured in G20 and other international energy fora in support of achieving the UN's Sustainable Development Goals. Nicholas is a former advisor to the Australian Environment Minister and holds a doctorate in Economic Geography from Oxford University as well as an honors degree in Economics from the University of Adelaide. His co-authored book *Carbon Markets: An International Business Guide* was placed in the top 25 academic publications for 2010 in the category of economics by the American benchmarking journal *Choice*.



**Kevin Chika Urama**  
*Professor,*  
*Senior Advisor to the President of the African Development Bank (AFDB)*

Professor Kevin Chika Urama holds a First Class Honors degree and a Master of Science in Agricultural Economics from the University of Nigeria, Nsukka, a Master of Philosophy degree with distinction, and a Ph.D. in Land Economy from the University of Cambridge, United Kingdom. A 2002-3 winner of the James Claydon Prize for the most outstanding PhD thesis in economics or related subjects while studying at St. Edmund's College, University of Cambridge, Prof. Urama was recently named the Technology Executive of the Year by the Africa Technology Awards in 2012, adding to many international prizes he has received for academic excellence and science policy leadership.

He is currently Senior Advisor to the President of the African Development Bank (AFDB), and formerly the Inaugural Managing Director of the Quantum Global Research Lab. He was the Executive Director of the African Technology Policy Studies Network (ATPS) and also the inaugural President of the African Society for Ecological Economics (ASEE), a Senior Consultant on Sustainable Development and Green Growth for the African Development Bank (AfDB), and a Consultant for the preparation of the Comprehensive Climate Change Strategy of the African Union Commission (AUC). An Extra-Ordinary Professor in the School of Public Leadership, Stellenbosch University, South Africa; Professor Urama is also an Adjunct Professor at the Sir Walter Murdoch School of Public Policy and International Affairs, Murdoch University, Western Australia; a Fellow of the African Academy of Sciences (AAS); and Visiting Professor at the University College London (UCL).

# Session 4

## Special Panel Discussion Green transition in a post-truth world: How to close the gap between perception and empirical evidence?

**Roger Dungan**

*Deputy Permanent Representative to the OECD, New Zealand*

Roger Dungan is New Zealand's Deputy Permanent Representative to the OECD, and his work for the New Zealand Ministry of Foreign Affairs and Trade has had a strong trade and economic focus. Before coming to Paris in 2016 he was New Zealand's lead negotiator on climate finance and climate adaptation at COP21, and was a member of the UNFCCC Standing Committee on Finance. Before joining the foreign service Roger was an award-winning environmental scientist, focusing on the carbon dynamics of New Zealand's indigenous forest ecosystems.



**Cameron Hepburn**

*Professor of Environmental Economics, SSEE, Oxford University, UK*

Professor Cameron Hepburn is the Director of the Economics of Sustainability Programme at the Institute for New Economic Thinking and Co-Director of the Net Zero Carbon Investment Initiative at the Oxford Martin School. He has degrees in law and engineering, a doctorate in economics, and over 30 peer-reviewed publications in economics, public policy, law, engineering, philosophy, and biology.



Cameron has advised governments (e.g. China, India, UK and Australia) and international institutions (e.g. OECD, UN organisations) on energy, resources and environmental policy. He is a member of the Economics Advisory Group (with Lord Stern and Professor Helm) to the UK Secretary of State for Energy & Climate Change. He served for almost a decade as a member of the Academic Panel, in the UK Department of Environment, Food and Rural Affairs and the Department of Energy and Climate Change.

Cameron began his business career with work at oil multinational Shell, law firm Mallesons and then management consultancy McKinsey & Co. Cameron is now a founder-investor in the social enterprise and clean energy sectors. He has co-founded three successful businesses in environmental and energy finance and economics.

**Edgar Gutiérrez-Espeleta**

*former Minister of Environment and Energy of Costa Rica*

Edgar E. Gutiérrez-Espeleta, a Costa Rican by birth, obtained his B.Sc. in Statistics from the University of Costa Rica, and his M. Sc. and Ph. D. in Forest Biometry from Iowa State University, USA. He taught at University of Costa Rica (UCR) from 1982 until 2014 when he retired as a full professor. He founded, in 1997, the Development Observatory, a research unit at UCR dealing with sustainable development issues particularly, the development of indicators, indices and ways to present data for decision makers, and was its Director until 2005 when he became Chair of the School of Statistics at the same university. He has written more than 40 scientific articles in national and international peer reviewed journals and a book on Statistical Methods. Prof. Gutierrez-Espeleta collaborated with UNEP GEO projects in Latin America and the Caribbean and lead the first two GEO LACs and the regional environmental data portal to support the Forum of Ministers of Environment of Latin America and Caribbean, among others. He has lead projects, besides UNEP, for UNDP, IDB and UNSD. He was Minister of Environment and Energy for Costa Rica from 2014 to 2018. He was also the President of the Second and Third United Nations Environment Assembly in 2016 and 2017.





**Elke Weber**

*Professor of Energy and Environment; Professor of Psychology and Public Affairs, Princeton University, USA*

Elke Weber is the Gerhard R. Andlinger Professor in Energy and the Environment and Professor of Psychology and Public Affairs at Princeton University. Her research models decision-making under uncertainty and time delay in financial and environmental contexts from a psychological and neuroscience perspective. Her expertise in the behavioral decision sciences has been sought out by advisory committees of the National Academy of Sciences on Human Dimensions in Global Change, an American Psychological Association Task Force that issued a report on the Interface between Psychology and Global Climate Change, and Working Group III for the 5th Assessment Report of the U.N. Intergovernmental Panel on Climate Change (IPCC). She is past president of the Society for Neuroeconomics, the Society for Judgment and Decision Making, and the Society for Mathematical Psychology. She is a fellow of the American Psychological Association, the Association for Psychological Science, the Society for Risk Analysis, the Society for Experimental Psychology, and received the Distinguished Scientific Contribution Award from the Society for Risk Analysis. She was elected to the German National Academy of Sciences and the American Academy of Arts and Sciences.



**Simon Kuper**

*Journalist, Financial Times, UK*

Simon Kuper (born in Kampala, Uganda in 1969) was educated at Oxford University and Harvard. He has been working for the Financial Times since 1994, and now writes a general column for the newspaper. He is British but lives with his wife and three children in Paris. He is the author of several books including *Football Against the Enemy* (winner of the William Hill prize for Sports Book of the Year 1994), *Ajax, The Dutch*, *The War: Football in Europe During the Second World War* (2003), and – as co-author with Stefan Szymanski - *Soccernomics* (2009). He also writes for magazines in Japan, The Netherlands, Switzerland and other countries. He has won several awards for his journalism, ranging from the Manuel Vazquez Montalban prize for sportswriting in 2008 (sponsored by FC Barcelona) to the British Society of Magazine Editors' prize for Columnist of the Year in 2016.



**Anthony Cox**

*Deputy Director, Environment Directorate, OECD*

Anthony Cox is the Deputy Director of the Environment Directorate of the Organisation for Economic Co-operation and Development (OECD). Since joining the OECD in 2000, Mr Cox has led work on water, climate, fisheries, political economy of reform, green finance and fossil fuel subsidies. He has overall responsibility for the OECD's Horizontal Programme on Water, which pools the expertise from across the OECD to address economic and governance issues in water policy. Prior to joining the OECD, Mr Cox worked as Senior Economist in the Australian Public Service, including positions in the Productivity Commission and the Australian Bureau of Agricultural and Resource Economics.

# Closing Session:

## Future Collaboration under the GGKP

**Masamachi Kono**  
*Deputy Secretary-General, OECD*



Mr. Masamichi Kono was appointed Deputy Secretary-General of the OECD in August 2017. His portfolio includes the strategic direction of OECD policy on Environment, Development, Green Growth, Taxation, Science, Technology and Innovation, Financial and Enterprise Affairs & Anti-Corruption along with representing the OECD at the Financial Stability Board meetings.

Prior to joining the OECD, Mr. Kono was the Vice Minister for International Affairs, Financial Services Agency, Japan (JFSA) and President of the Asian Financial Partnership Center of the JFSA.

In that capacity, he represented the JFSA in various international bodies and meetings, and was responsible for coordinating policies relating to international affairs for the JFSA.

In relation to this work, he served as Chairman of the International Organization of Securities Commissions (IOSCO) Technical Committee from April 2011 until May 2012, and thereafter as Chairman of the IOSCO Board until the end of his term in March 2013. He was also the Co-chair of the Financial Stability Board Regional Consultative Group for Asia from July 2013 to June 2015, and Chairman of the IFRS Foundation Monitoring Board from February 2013 to June 2016.

He has had a long career in financial supervision and the regulation of financial services, both in Japan and in the international arena, since joining the public service in 1978.

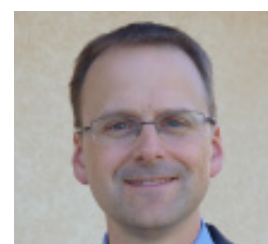
Before joining the Financial Services Agency, Mr Kono was Secretary to the WTO Financial Services Committee between 1994 and 1999, as Counsellor of the Trade in Services Division, World Trade Organisation.

He also served for 4 years at the OECD Secretariat in the Economics Department, at the beginning of his career.

From September 2005 to March 2017, he was a Visiting Professor at the University of Hiroshima, Graduate School of Social Sciences (Finance Program). He was also Research Scholar at Columbia University, School of International and Public Affairs (SIPA), USA from November 2016 to June 2017.

Mr Kono holds a B.A. in law from Tokyo University.

**Benjamin Simmons**  
*Head of Secretariat, Green Growth Knowledge Platform (GGKP)*



Benjamin Simmons is the founding head of the Green Growth Knowledge Platform office based in Geneva, Switzerland. Prior to his current role, Benjamin coordinated the establishment and implementation of the Economics of Ecosystems and Biodiversity (TEEB) initiative, a groundbreaking effort involving over 500 experts to draw attention to the global economic benefits of biodiversity and the costs associated with continued biodiversity loss. Benjamin was also Head of the UNEP Trade, Policy and Planning Unit where he managed UNEP's trade and environment program and served as the principal UNEP delegate to the World Trade Organization. Benjamin is the author of numerous articles, papers and book chapters examining the interface between environmental and economic policies. Prior to joining UNEP in 2003, Benjamin worked as an environmental lawyer for a private law firm in New York City and served for two years as a Peace Corps volunteer promoting sustainable agricultural systems in southern Senegal. He holds a Juris Doctorate from Columbia University School of Law and a Master in International Affairs from Columbia University School of International and Public Affairs.



**Stephan Sicars**  
*Director, Environment Branch,*  
*United Nations Industrial Development Organization (UNIDO)*

Mr. Sicars holds a Master's Degree in Mechanical Engineering from the University of Hanover, Germany, specialised in Energy- and Process Engineering.

He was working for, and subsequently managing, the Research Centre for Refrigeration and Heat Pumps (FKW) in Germany. Later, he worked as a consultant on environmental issues undertaking research projects for clients such as international industries, NGOs and governments. He implemented Montreal Protocol projects in India and China, and for eight years, he was part of delegations to the Executive Committee of the Multilateral Fund and to the Meeting of the Parties of the Montreal Protocol. He was a member of the Refrigeration Technical Option Committee and of the TEAP task forces, was also a coordinating lead author for IPCC, and received the US-EPA Ozone Award.

Subsequently, he worked as a Senior Programme Officer with the Multilateral Fund. In June 2014, he was appointed Director of the Montreal Protocol Branch, and in February 2015, Director of the newly created Department of Environment of UNIDO.



**Ligia Noronha**  
*Director, Economy Division,*  
*United Nations Environment Programme (UN Environment)*

Ligia Noronha was appointed Director of UN Environment's Economy Division in April 2014.

Before joining UN Environment, Dr Noronha was Executive Director (Research Coordination) at TERI and Director of the Resources, Regulation and Global Security Division.

She was Secretary, Asian Energy Institute - a network of Asian and non-Asian institutes, (2005-2011); Coordinator, Renewable Energy and Energy Efficiency Partnerships (REEEP) South Asia, (2005-2009); and Michael Hintze Energy Security Visiting Senior Fellow at the Centre for International Security Studies (CISS), University of Sydney, Australia, 2009-11. In 2004-2005, she was Team Leader, Ecosystem approaches to Human Health, at the International Development Research Centre of Canada.

She has served on the National Security Advisory Board of the Government of India, and on several expert committees and panels of the Government of India and the Government of Goa, including the Expert Committee on Climate Change, the Western Ghats Ecology Expert Panel, and the Task Force on Natural Resources of the Commission on Centre State Relations. She was also a member of the Planning Board of the Government of Goa and Member of the Goa Jubilee Development Council tasked to produce the Goa Vision 2035. She was Member of the External Review Committee, Sustainability Reporting, Shell International, and Member of the Global Assurance Group, Minerals, Metal and Sustainable Development (MMSD) Project.

Dr Noronha has published nationally and internationally on issues relating to energy and resource security, climate change, India's environmental and coastal policy, responsible mining, and resource federalism.

She has a Masters in Economics from the University of Bombay, a Masters in Sea Use Law, Economics, and Policy, and a PhD from the London School of Economics.

**Marianne Fay**  
*Chief Economist for Sustainable Development,  
The World Bank*



Marianne Fay is currently the Chief Economist of the Sustainable Development Vice-Presidency at the World Bank. She previously served as the Chief Economist for Climate Change. She contributed to a number of World Development Reports, notably the *World Development Report 2010* on Development and Climate Change which she co-directed, and led a number of recent World Bank reports, such as *Inclusive Green Growth: the Pathway to Sustainable Development and Decarbonizing Development: Three Steps to a Zero-Carbon Future*. She has held positions in different regions of the World Bank (Eastern Europe and Central Asia, Latin America and the Caribbean, Africa), working on infrastructure, urbanization, and climate change. She is the author of a number of articles and books on these topics. Marianne Fay is a founding member of the Green Growth Knowledge Platform. Marianne Fay holds a PhD in Economics from Columbia University.

**Orestes Anastasia**  
*Deputy Head, Office of Thought Leadership and Head of Knowledge Sharing,  
Global Green Growth Institute (GGGI)*



Orestes Anastasia is GGGI's Deputy Head of the Office of Thought Leadership and the Head of Knowledge Sharing. He oversees integrated knowledge development, management, and sharing in cooperation with GGGI's strategic international partners as well as across GGGI. Mr. Anastasia has worked for more than 20 years developing and overseeing programs and initiatives addressing global climate change and other environmental and economic development issues. His work includes 11 years based in the field focusing on Southeast Asia, South Asia, and China, as well as projects previous to that in the United States, Europe and Eurasia, and Latin America.

Prior to joining GGGI, Mr. Anastasia served as Senior Regional Climate Change Advisor and Regional Low Emission Development Strategies (LEDS) Advisor with the United States Agency for International Development (USAID) Regional Development Mission for Asia in Bangkok, Thailand. In that role, he oversaw a portfolio of programs promoting climate change mitigation in the region and supported bilateral LEDS and green growth partnerships between the US Government and Asian governments. In collaboration with the LEDS Global Partnership, he led efforts to launch and establish the Asia LEDS Partnership and served as its Co-Chair from September 2012 to January 2015. At USAID Mr. Anastasia also managed programs promoting clean energy financing and policy reform, green buildings, industrial environmental health and safety, low carbon cities, and the US Government's comprehensive support to developing tsunami and multi-hazard warning systems in the Indian Ocean region.

Previously, Mr. Anastasia supported the development of corporate reporting systems in California and with the US Department of Energy, strategic planning and global monitoring and evaluation systems for USAID's climate change activities worldwide, and environmental law and compliance initiatives within USAID.

Mr. Anastasia holds law and master degrees from Vermont Law School with an emphasis in environmental law and policy.

**Kumi Kitamori**  
*Head of Division  
Green Growth and Global Relations, Environment Directorate, OECD*



Ms. Kitamori oversees the mainstreaming of green growth in the work of various policy committees of the OECD, as well as member and other partner countries. This includes a dedicated programme that promotes green growth policies, finance and investment in the Eastern Europe, the Caucasus and Central Asia (EECCA) region. Prior to this, she worked in the OECD Environment Directorate on various issues including tradable permits and taxes, water pricing, climate change, biodiversity, health & environment, among others. She led the flagship project OECD Environmental Outlook to 2050, published in 2012. During 2005-2006, she served as Advisor to the OECD Secretary-General. Prior to joining the OECD in 2000, Ms Kitamori was at the World Bank where she worked extensively in South and Southeast Asia on urban and environmental infrastructure projects (green finance for urban infrastructure, water supply & sanitation, cleaner production, etc).

# OECD Background Publications, Databases and Websites

## Publications

Chateau, J., R. Bibas and E. Lanzi (2018), “Impacts of Green Growth Policies on Labour Markets and Wage Income Distribution: A General Equilibrium Application to Climate and Energy Policies”, *OECD Environment Working Papers*, No. 137, OECD Publishing, Paris, <https://doi.org/10.1787/ea3696f4-en>

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OECD (2018), *Effective Carbon Rates 2018: Pricing Carbon Emissions Through Taxes and Emissions Trading*, OECD Publishing, Paris, <https://doi.org/10.1787/9789264305304-en>

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OECD (2018), *Inclusive Growth in Seoul, Korea*, OECD Publishing, Paris, <https://doi.org/10.1787/9789264290198-en>

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OECD (2017), *Tackling Environmental Problems with the Help of Behavioural Insights*, OECD Publishing, Paris, <https://doi.org/10.1787/9789264273887-en>

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Durand-Lasserve, O., et al. (2015), “Modelling of distributional impacts of energy subsidy reforms: an illustration with Indonesia”, *OECD Environment Working Papers*, No. 86, OECD Publishing, Paris, <https://doi.org/10.1787/5js4k0scrqq5-en>

Albrizio, S., et al. (2014), “Do Environmental Policies Matter for Productivity Growth?: Insights from New Cross-Country Measures of Environmental Policies”, *OECD Economics Department Working Papers*, No. 1176, OECD Publishing, Paris, <https://doi.org/10.1787/5jxrjncjrcxp-en>

Koźluk, T. and V. Zipperer (2014), “Environmental policies and productivity growth: a critical review of empirical findings”, *OECD Journal: Economic Studies*, vol. 2014/1, [https://doi.org/10.1787/eco\\_studies-2014-5jz2drqml75j](https://doi.org/10.1787/eco_studies-2014-5jz2drqml75j)

Botta, E. and T. Koźluk (2014), "Measuring Environmental Policy Stringency in OECD Countries: A Composite Index Approach", *OECD Economics Department Working Papers*, No. 1177, OECD Publishing, Paris, <https://doi.org/10.1787/5jxrjnc45gvg-en>

Albrizio, S., T. Koźluk and V. Zipperer (2014), "Empirical Evidence on the Effects of Environmental Policy Stringency on Productivity Growth", *OECD Economics Department Working Papers*, No. 1179, OECD Publishing, Paris, <https://doi.org/10.1787/5jxrjnb36b40-en>

Koźluk, T. (2014), "The Indicators of the Economic Burdens of Environmental Policy Design: Results from the OECD Questionnaire", *OECD Economics Department Working Papers*, No. 1178, OECD Publishing, Paris, <https://doi.org/10.1787/5jxrjnbnbm8v-en>

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OECD (2011), *Greening Household Behaviour: The Role of Public Policy*, OECD Studies on Environmental Policy and Household Behaviour, OECD Publishing, Paris, <https://doi.org/10.1787/9789264096875-en>

Johnstone, N. and Y. Serret (eds.) (2006), *The Distributional Effects of Environmental Policy*, Edward Elgar Publishing, Cheltenham, <https://doi.org/10.1787/9789264066137-en>

## Databases

- "Green Growth Indicators"  
OECD Green Growth Statistics
- "Database on Policy Instruments for the Environment (PINE)"  
OECD TaxBase Statistics

## Websites

[www.oecd.org/greengrowth](http://www.oecd.org/greengrowth)

[www.oecd.org/employment/greeningjobsandskills.htm](http://www.oecd.org/employment/greeningjobsandskills.htm)





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