

# INTERNATIONAL STATISTICAL RESPONSE TO CLIMATE CHANGE-RELATED DATA POLICY NEEDS

Paul SCHREYER, OECD Chief Statistician on behalf of Eurostat, IMF,  
OECD

Conference of European Statisticians Plenary Session  
23-25 June, 2021



# Climate change is a priority issue for policy

---

- **OECD:** longstanding work by EPOC
  - **Eurostat:** European Union *Green Deal*
  - **IMF:** Focus on climate change and policies
  - **Evidence and data is needed to assess:**
    - Impact of economic activity on the climate
    - Economic and social consequences of climate policies
- ➔ **Broad scope for climate change related statistics**



# Key ongoing international initiatives

---

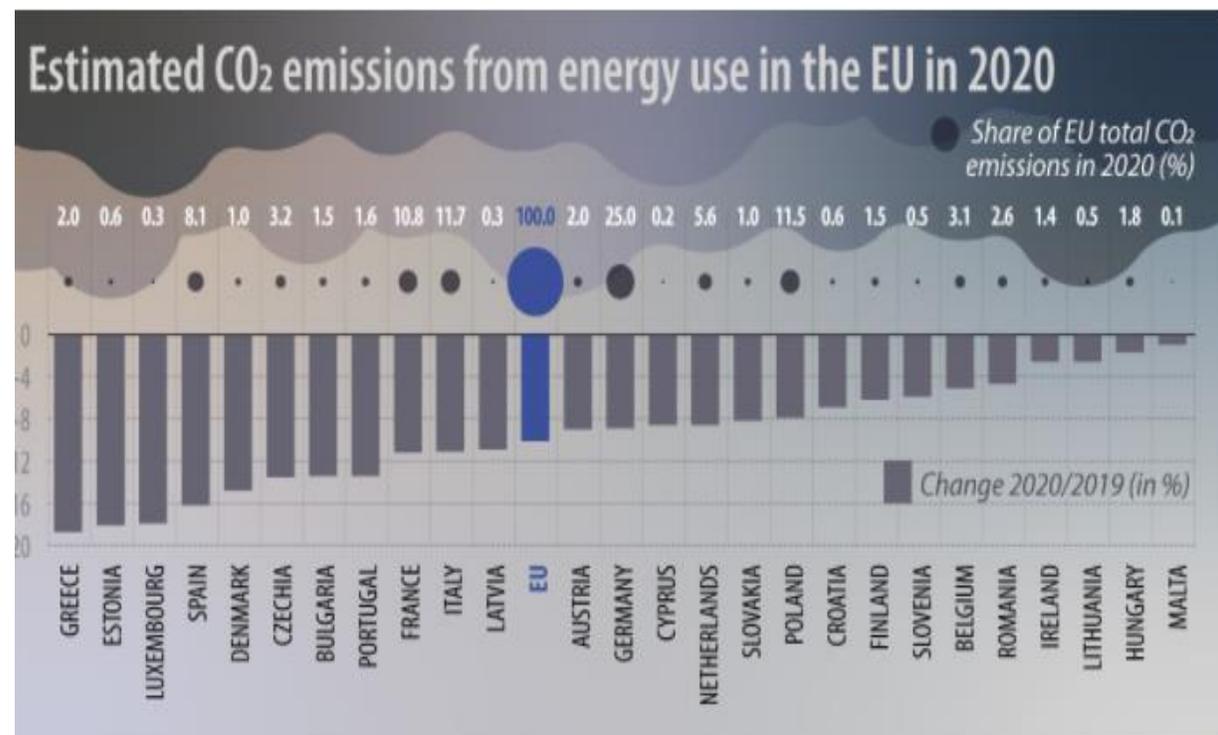
- SEEA Central Framework
- SEEA Ecosystem Accounting
- Central Banks' *Network for Greening of Finance*—Bridging the Data Gaps
- UNECE CES Recommendations on Climate Change-Related Statistics
- Specific data initiatives (see below)
- Data sharing among I/Os



# Ongoing initiatives



- **SEEA based accounts**
  - Air emissions accounts, energy accounts and environmental taxes
- **Expansion of the set of climate change-related statistics**
  - On green investment, forest accounts
- **Early estimates of annual estimates**
  - CO2 emissions from energy use
- Review of climate-change related stats to identify **new user needs**
- Climate change **dedicated website**



Sweden: data under revision

# Ongoing initiatives



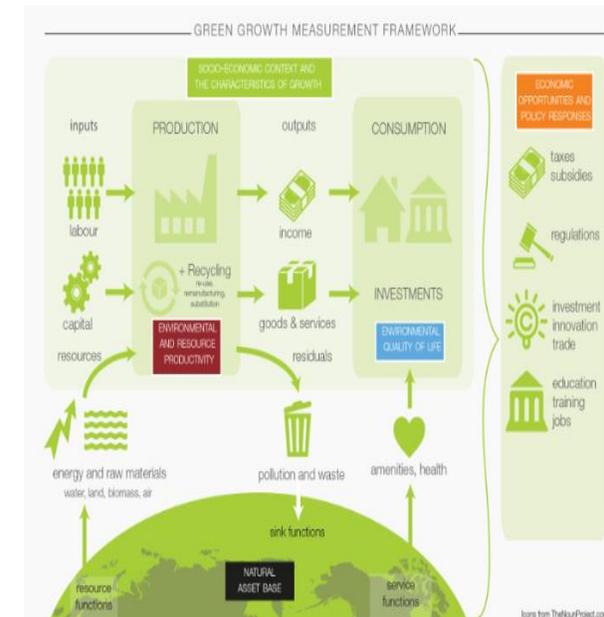
- **Key areas of immediate need for climate-change related data**
  - Economic activity related (greenhouse gas emission & CO<sub>2</sub> emission/\$ output)
  - Cross-border activities
  - Financial & risk indicators;
  - Government policy
- **Climate change dashboard**
  - Improve the timelines and frequency of climate-change indicators
  - Ensure standardized and comparable data
- **Support members** to develop, compile and disseminate climate-change related statistics
- **9<sup>th</sup> Statistical Forum**
  - Measuring Climate Change:  
The Economic and Financial Dimensions
- **New G-20 sponsored Data Gaps Initiative**



# Ongoing initiatives



- **SEEA accounts: GHG emissions data**
  - Building on Eurostat data plus other OECD countries
  - Emission estimates from air & maritime transport
- **Embodied CO<sub>2</sub>** (used by IMF, coordinated with FIGARO)
- **Environmental expenditure** (since 1970, now in SEEA)
- **Climate-related policy instruments and financing**
  - Paris Collaborative on Green Budgeting
  - Research Collaborative on Tracking Finance for Climate Action and Climate finance monitoring (DAC)
  - Policy Instruments for the Environment (PINE) database
  - Inventory of government support to fossil fuels
  - Environment-related technologies (ENVTECH) in global patent databases
- **International Programme for Action on Climate**



# Going forward: opportunities (1)

---

## Frequency, timeliness, geographical coverage

- Quarterly air emission accounts (IMF, OECD, IEA, Eurostat & UNSD cooperation in place)
- Early estimates of annual air emissions
- Extension to broader number of countries and world database



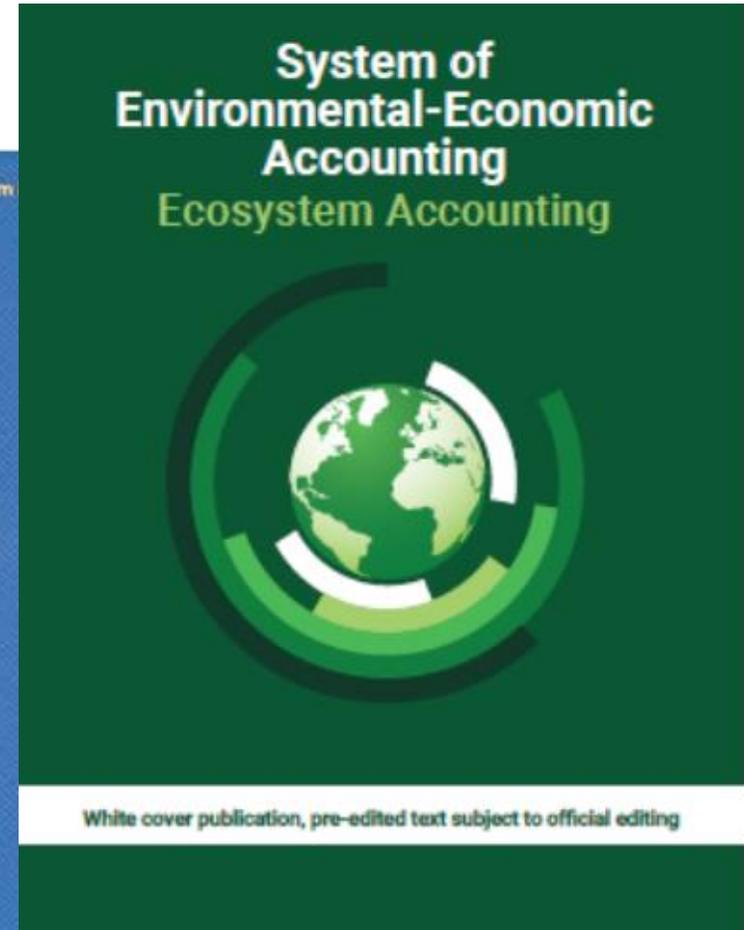
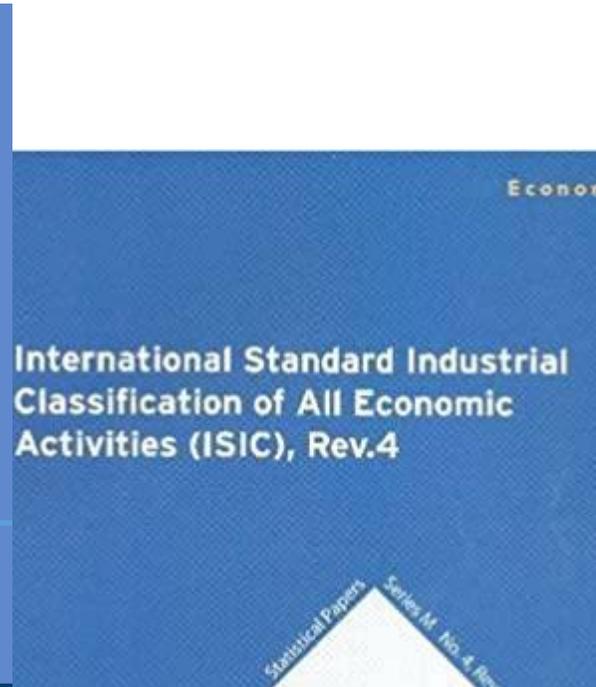
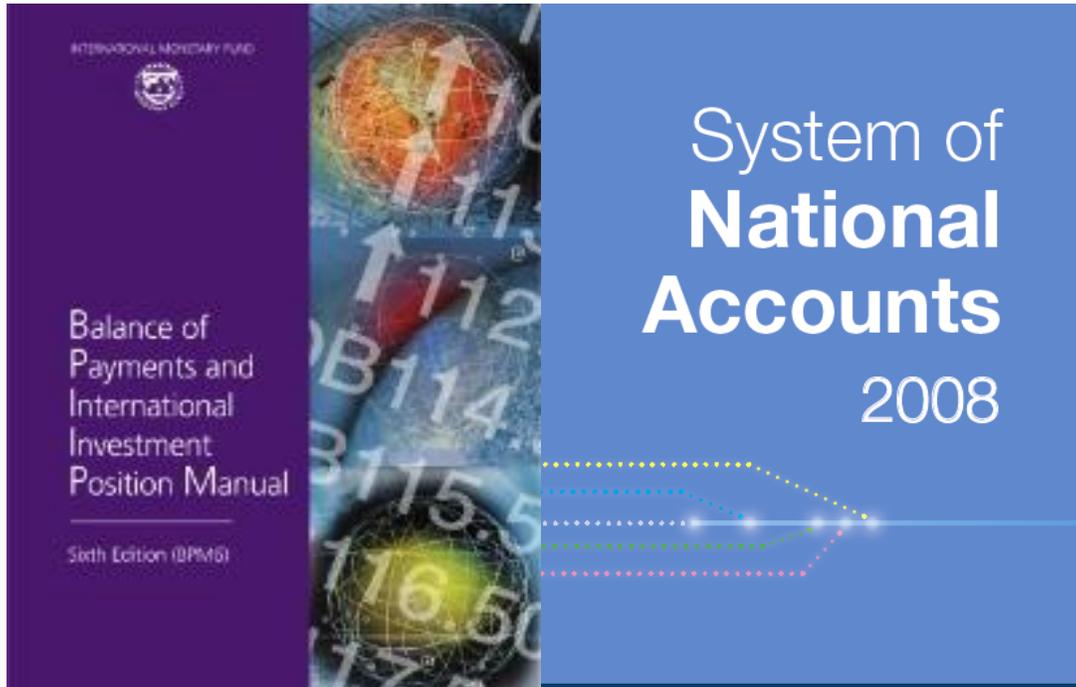
## Going forward: opportunities (2)

---

- Reporting national emissions targets in a consistent manner (i.e. using the same reporting units)
- And operationalise targets for **harmonized measurement** (added by OECD)
- **Co-investment** in relevant tools, platforms and data sources, including with countries (added by OECD)



# Ensure consistency across International Statistical Standards



# Further promote the use of climate-related data

## DASHBOARD of climate-related indicators



**STATISTICAL Dashboard** eurostat

... a selection of COVID-related indicators. ... indicators, please read the [Eurostat.com](#)

Next update: 20 July 2021  
Edition:

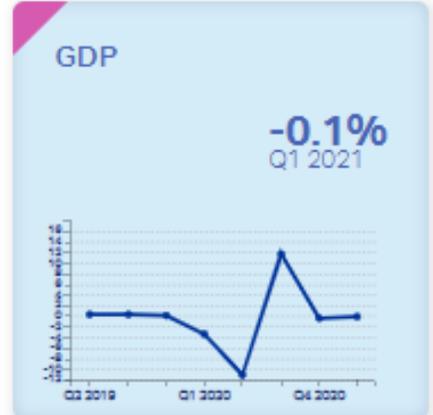
**TOPICS** ECONOMY & PRICES

**IMF** | CLIMATE CHANGE DASHBOARD

**INDICATORS** | **COUNTRIES** | **GLOSSARY** | **ACCESS DATA** | **ABOUT**

### Climate Change Indicators Dashboard

A statistical tool linking climate considerations and global economic indicators



# Conclusions

---

- Several **joint international statistical initiatives** up and running
- Opportunities for **new collaboration** (frequency, timeliness, granularity, geographical coverage, co-investment)
- Integrating the climate-related statistics in the next **International Statistical Standards Update**
- **Engagement and communication**
  - promote use of climate-change related data in policy implementation and evaluation.
  - Public at large