

Emission data – a mission for statistics!

Fritzi Köhler-Geib, Deutsche Bundesbank, Member of the Executive Board

2025 conference of the European Statistical Forum: Closing the data gaps on climate change - joint efforts between the European System of Central Banks and the European Statistical System

Brussels, 16 January 2025 - Opening session

In the news

Los Angeles Times

'LIKE A THOUSAND FIRES'

WIND-DRIVEN BLAZES DESTROY HOMES: AT LEAST 5 DEAD

PALISADES FIRE: Some residents who fled are anxious to see if houses survived

EATON FIRE: 32,500 told to evacuate as 10,600 acres burn in Altadena, Pasadena



"All the News That's Fit to Print"

VOL. CLXXIV No. 60,324 Deate the New York Interest Company

The New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Today same, bross, or with the New Hork Times Times Today same, bross, or with the New Hork Times Times

THURSDAY, OCTOBER 31, 2024

Significance besides \$4.00



Sudden Deluge Kills Scores in Spain

06:05

Flash flooding from a devestating storm across Spain's east and south left vehicles dogging a Valencia street Wednesday Page A11.

Biden Misstep **Delivers Grist** To Harris Foes

Trump Goes on Attack as She Stresses Unity

This article is by Nicholns Ne-homas, Reid J. Epstein, Jonathan Suna und Felwardo Mediae

MADISON, Wis. - With air daya left in the 202; presidential rape, vice President Kamala Har ris and farmer President Donald 2 Toump hopscotched the battleenound states on Wednesday as they sought to wring support from an electorate already in the full throes of early voting.

Forh candidates began their day with callies in North Carolina and plan to end it with events in Piscensin, with Ms. Harris aciding a stop in between in Pennsylvania, a signal about which states remain most competitive as Flortion Day nears.

Walle Ms. Harris offered a messe ed and pledged to be "a age of unity and pledged to be "a ing military contractor that had resident for all Americana," blo military ports of the new system: hump sought to amplify a muci. Elon Mask's SpaceX. president for all Americans," Mc dled remark from President Bilden in which he appeared to call Mc

packed into a rather pureent agri-cultural exposition corner in Harrisburg, Ps., Ms. Harris offered and Northrop Gramman as well horself as a me-inen, what would be considered to be a Second

MUSK EXPANDING SPACEX INTO ROLE FOR THE MILITARY

SPY SATELLITE DEALS

U.S. Relying on Him as It

Pours Billions Into a Race With China

By ERIC LIPTON

WASHINGTON - The breeddrough came last month, about For the first time, the Pents-

gon's Space Development Agency transmit data at ligh, speed between military satellites, making it easier to truck enemy missiks and if necessary shoot them down. It was a milestone not only for

the Pentagon. This was a defining moment for a certain up-and-con-

SpaceX over the last year started to move in a big way little Trumps supporters 'earbage' he business of building military Before a crowd of thousands and spy sarolitos, an industry that has long been cominated by major contractors like Raytheon

2025 conference of the European Statistical Forum 16 January 2025

Three key questions



- Why do central banks care about climate change and how do official statistics play into this?
- What are the challenges and opportunities with regards to sustainability data going forward?
- How can the challenges be addressed?

IFirst question



- Why do central banks care about climate change and how do official statistics play into this?
- What are the challenges and opportunities with regards to sustainability data going forward?
- How can the challenges be addressed?

Our mandate is price stability and financial stability



- Climate change imposes stability risks:
 - physical risks and
 - transition risks

Both may affect inflation

We need reliable data

Macro statistics: A story of success





Complementing work of the Central Banking Community









To summarize...



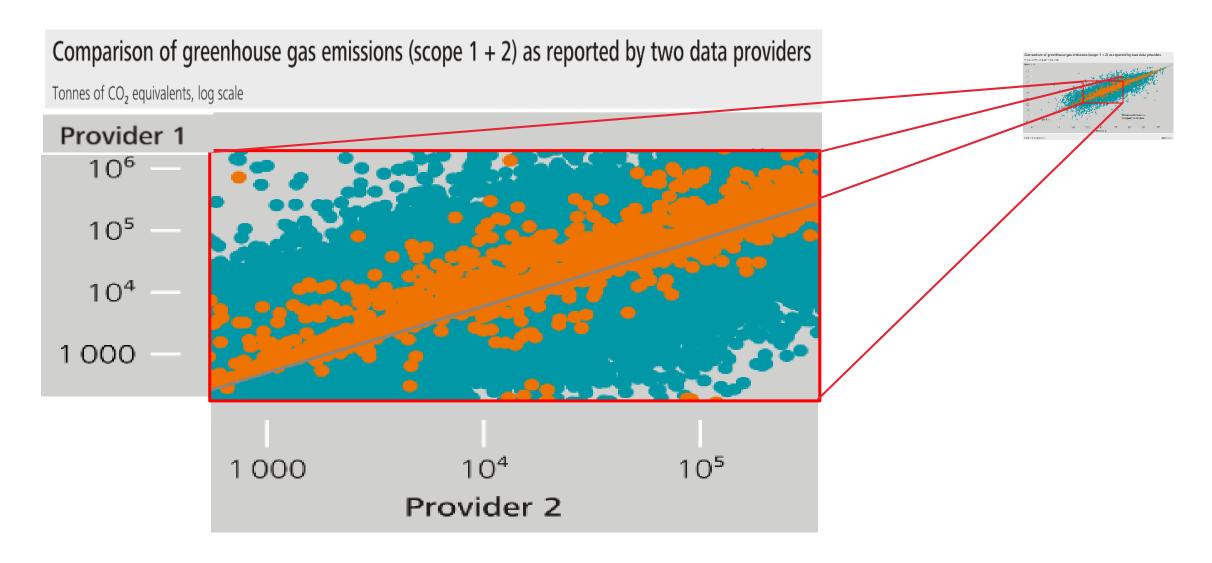
CBs care about climate change as part of their mandate of price stability and therefore need high-quality data.

Second question

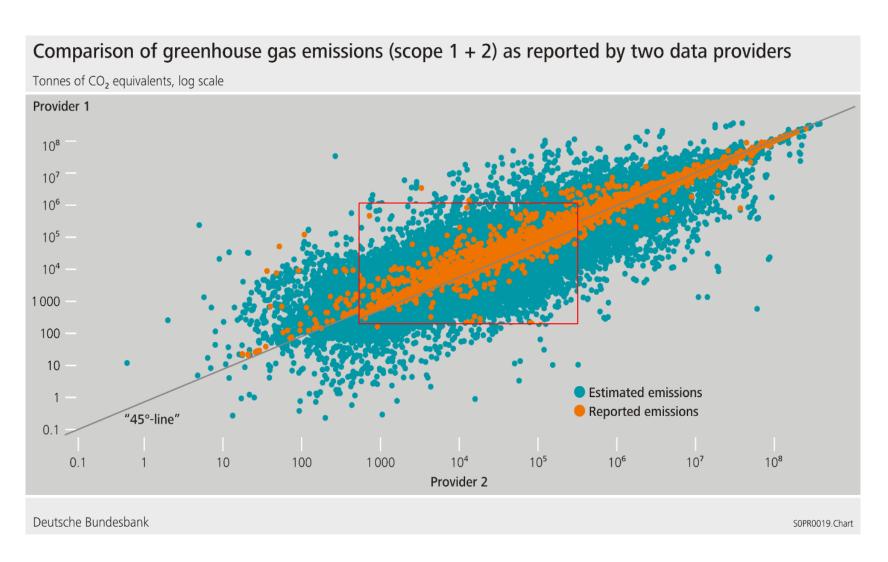


- Why do central banks care about climate change and how do official statistics play into this?
- What are the challenges and opportunities with regards to sustainability data going forward?
- How can the challenges be addressed?

Micro level: There is clear need for improvement

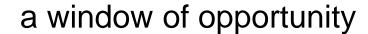


The whole picture shows even bigger discrepancies



Disclosed corporate data from financial accounting could help

The **CSRD**







2025 conference of the European Statistical Forum 16 January 2025

CSRD looks different from a statistician's and a corporate's perspective

For statisticians

the CSRD will lead to rich and high quality micro data for climate related and emission statistics

Joint ECCBSO-CMFB
Task Force on
Environmental Data
(JECED)



For corporates

the CSRD ...

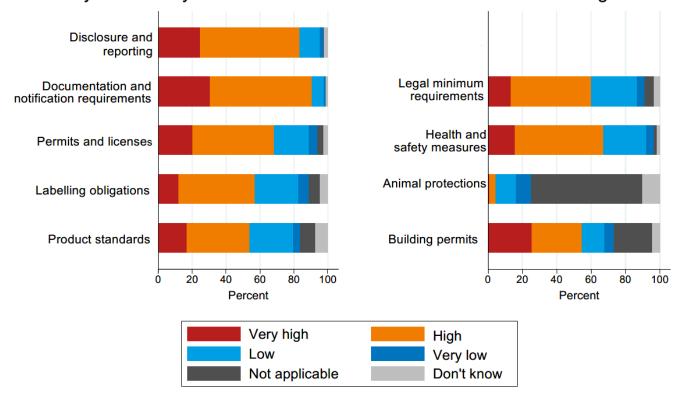
... will produce an information tool, making firms aware of environmental consequences of own decisions

... is costly

Bureaucracy, including disclosure and reporting, is costly for companies

In Germany, different dimensions of bureaucracy sum up to 22% of the working time of white-collar employees

How would you assess your additional work load that is due to the following issues?



Source: Demmelhuber et al, "Firmenbefragung zum Thema Bürokratie in Deutschland", ifo Forschungsbericht 148/2024, p. 9, Graph 4. The ifo management panel is a survey of 766 decision makers / firms (May 2024).

To summarize...



Firm-level data challenges persist regarding availability and quality and CSRD offers an opportunity to address them. Yet, the burden for companies to fulfil the reporting requirements need to be lowered from a competitiveness perspective.

Third question



- Why do central banks care about climate change and how do official statistics play into this?
- What are the challenges and opportunities with regards to sustainability data going forward?
- How can the challenges be addressed?

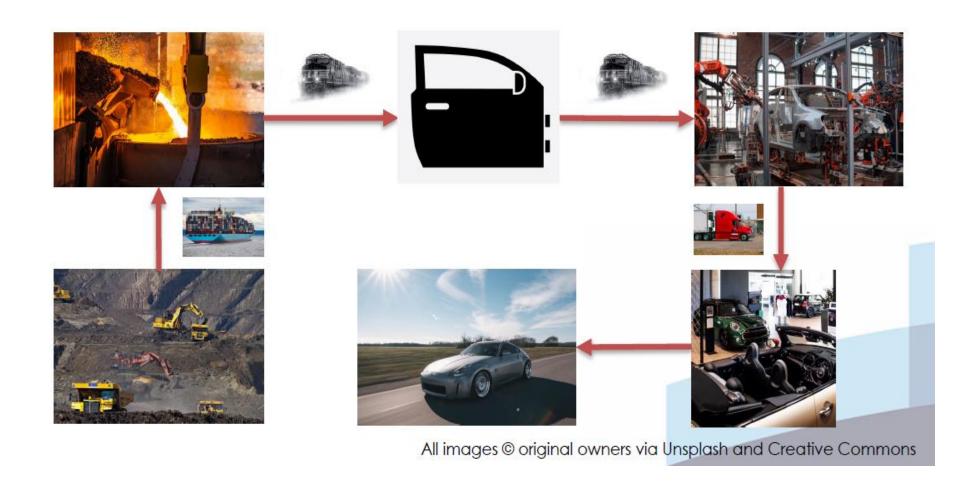
What does this have to do with us at this conference?

From the 10 UN Fundamental Principles of Official Statistics

1. Official statistics are an indispensable part of the information system of a democratic society and provide the government, the **economy** and the public with data on the economic and social situation, demographic trends and the **environment**. To this end, official statistics of practical use must be compiled and made available on an impartial basis by official statistical offices in order to comply with citizens' right to public information.

. . .

A big challenge is the reporting of indirect emissions



2025 conference of the European Statistical Forum 16 January 2025

Learning from each other

High quality statistics and indicators



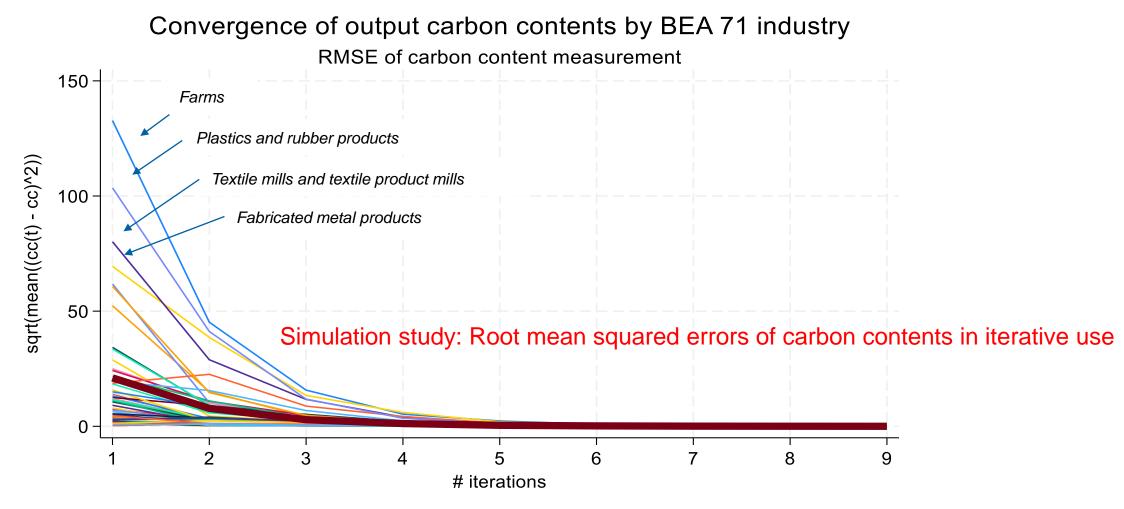
Official Statistics

Corporations



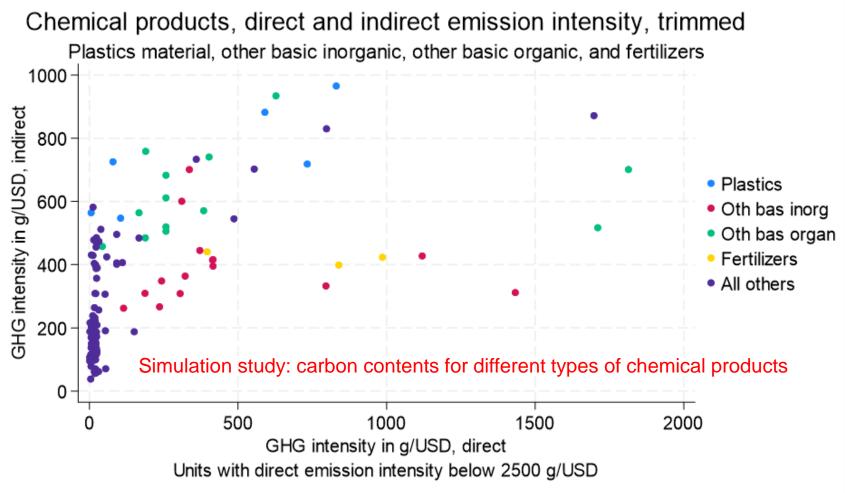
Environmental statistical information from annual financial statements (eg. via European Single Access Point)

Iterative learning from corporate data and statistics would converge to truth



2025 conference of the ស្រៀសនៃប្រជុំ នៅខ្សាទនៅព្រះ the power of Input-Output analysis for sustainability, IFC Working Papers No. 24, December 2024 16 January 2025

Reflecting dispersion is essential to set incentives right



Source: von Kalckreuth, U, Harnessing the power of Input-Output analysis for sustainability, IFC Working Papers No. 24, December 2024

To summarize...



To address the remaining challenges, statistical agencies, CBs, policy makers and corporations need to get into an iterative learning process which can substantially lower the corporations CSRD reporting burden on emissions and increase the competitiveness of Europe as a business location. A process has to be initiated and to be set in motion!