

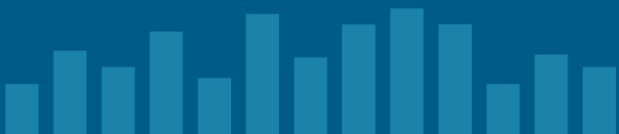


Food and Agriculture Organization
of the United Nations

>> **FAO Statistics Division**

Data Collection, Analysis and Dissemination at FAO Environment and Climate Change Statistics

Oct 14th 2024



Data to monitor sustainable food and agriculture



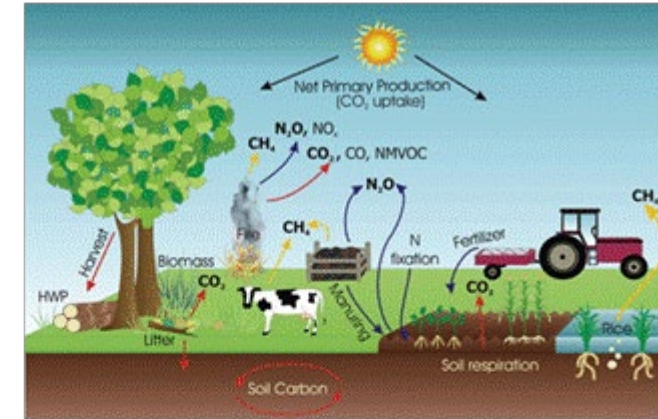
FAO leads an international reporting process on food and agriculture



Repeat all the pages This Questionnaire contains 10 pages Please complete all pages	 FAO Food and Agriculture Organization of the United Nations	Reference Number: 298	
	Questionnaire on Agricultural Resources Land use and irrigation		
National Reporting Office and Contact name			
Register name Type Administrative and Office Address City State Country Postal code Telephone Fax E-mail Web site	Register name Type Administrative and Office Address City State Country Postal code Telephone Fax E-mail Web site		
The Land and Irrigation Questionnaire has two major sections: Land use and irrigation, Land use: plantations and forests and Irrigation			
We have included detailed concepts and definitions of the land use categories in the Explanatory Notes sheet.			
Please include notes on any deviation from the concepts and definitions regarding the specific data requested.			
If your organization is not responsible for the data collection of one or more variables, we kindly ask you to indicate the contact details of the organization responsible for the sector. Land use: plantations and forests If you have any queries regarding the questionnaire please contact: Dr. Francesco Tubiello Tel: +39 0583 7345 e-mail: Francesco.Tubiello@fao.org Web: http://www.fao.org/landuse			
We kindly ask you to provide a reply by: 05/04/2018			

SDG Indicators

IPCC 2006 Guidelines



Mapping IPCC categories to agrifood systems

Food Systems View



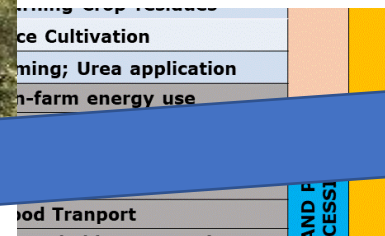
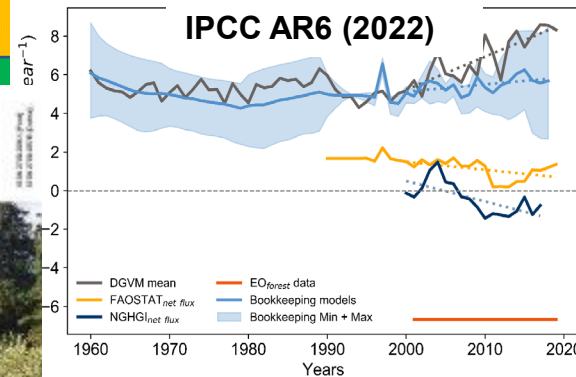
Food and Agriculture
Organization of the
United Nations



Agrifood systems and
land-related emissions

Global, regional and country trends
2001–2021

IPCC	PROCESSES	FAO
LULUCF	Wetlands, Settlements and Other Land	OTHER
	Forest Land	FOREST LAND
	Burning Biomass	LAND USE CHANGE
	Forest land converted to cropland and grassland	



Climate Policy View



Land Use, Land
Use Change and
Forestry (LULUCF)



Agriculture



Energy



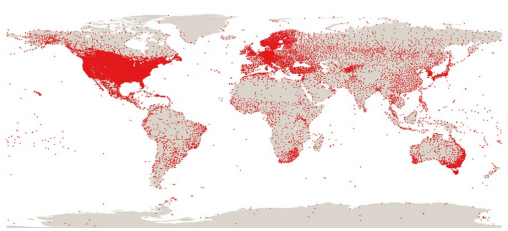
Industry



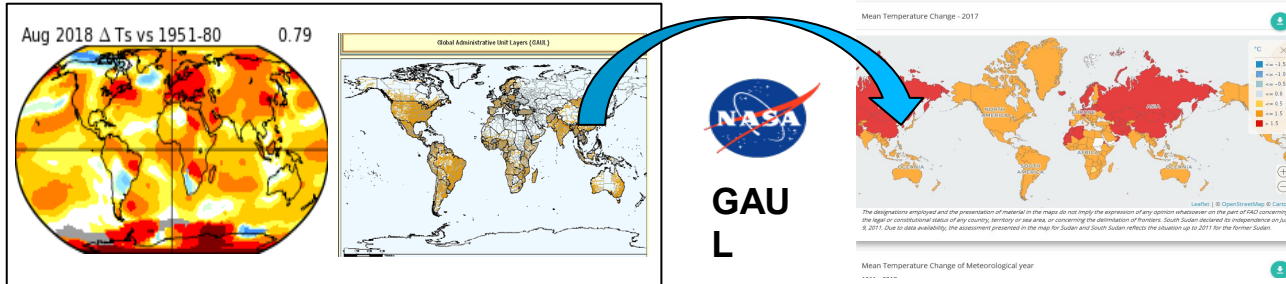
Waste

Pre-a

Temperature Change

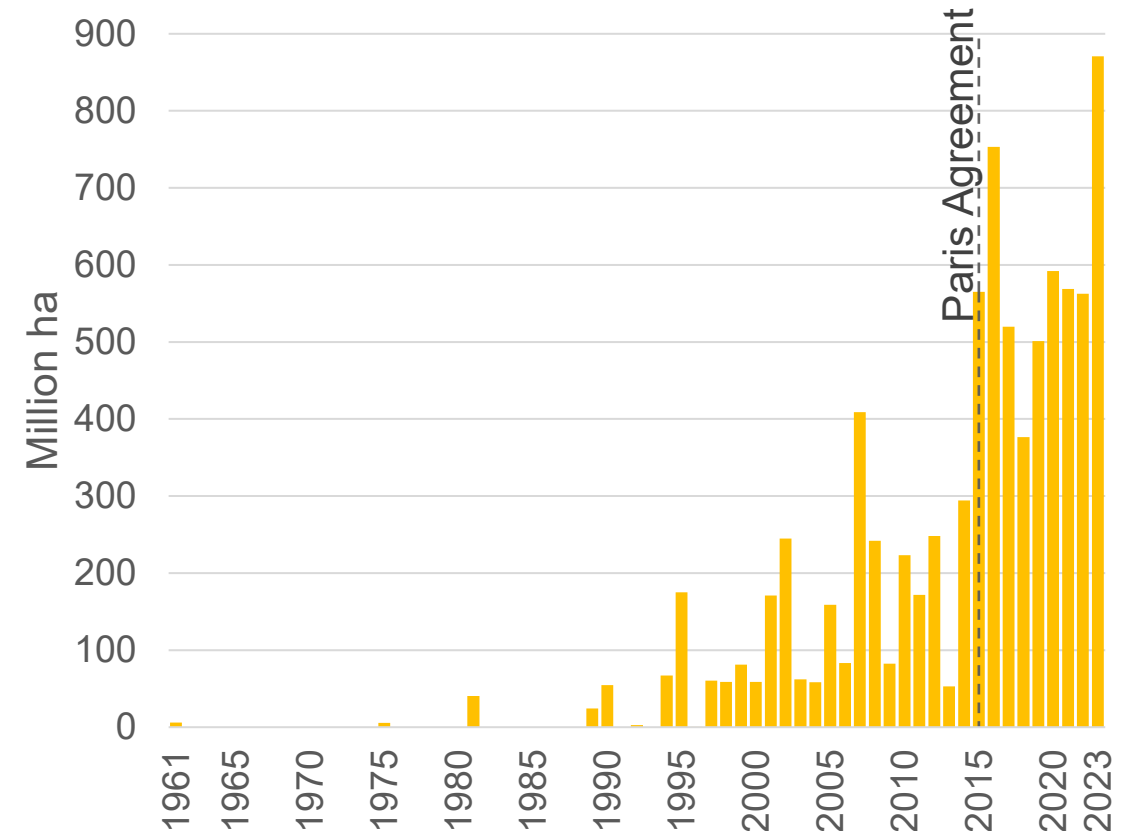


Raw data: 26,000 meteorological stations on land



- Finer 250km grid produced for FAOSTAT
- Complete data sent mid-February, 1 880 to T-1

World total cropland area exposed to $T > 1.5^{\circ}\text{C}$



SDG 241 Productive and Sustainable Agriculture





Conclusions

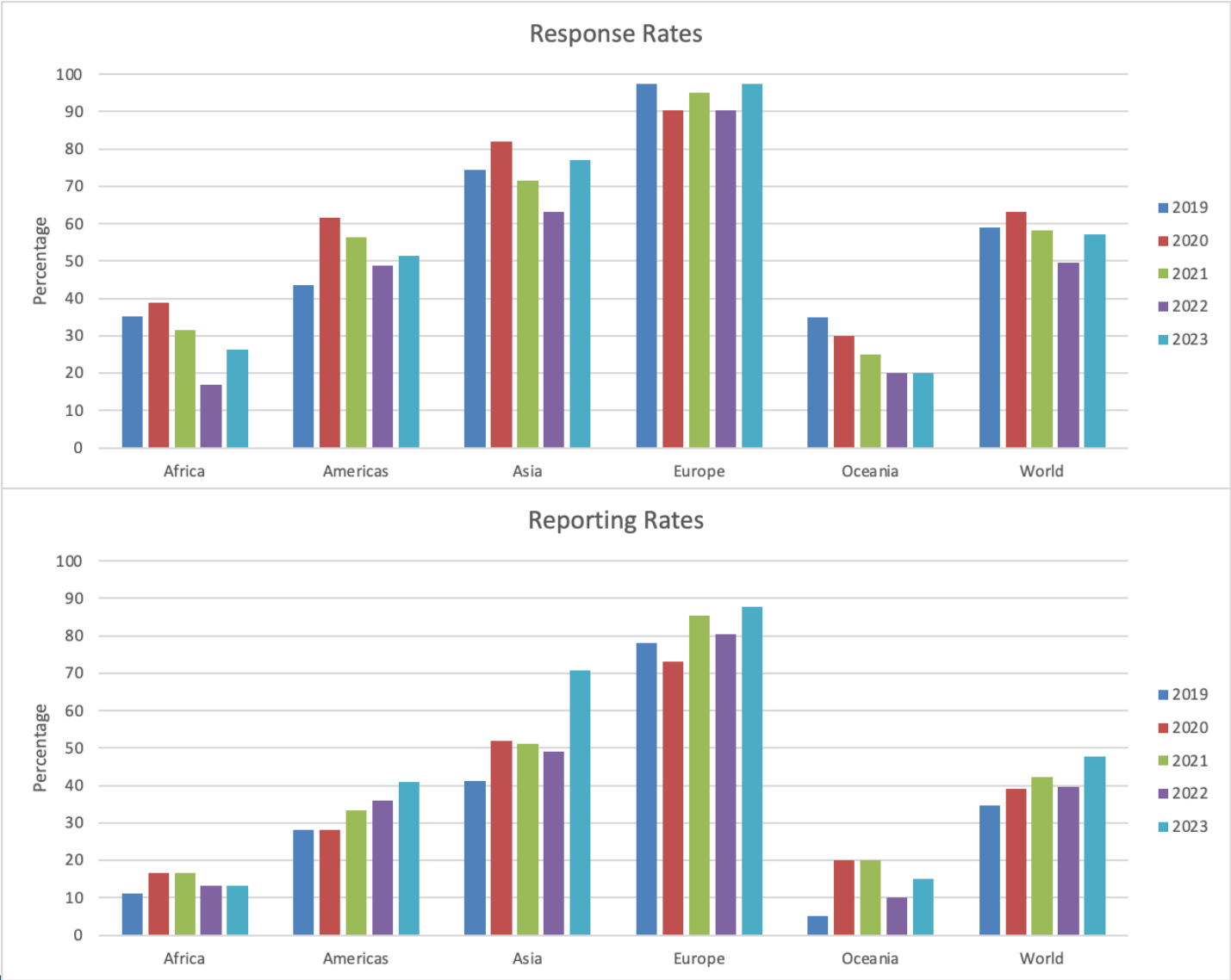
- FAOSTAT agrifood systems data contribute to global reporting assessments on climate change, including recent IPCC (2019; 2022), FAO (2023) and World Bank (2024) reports
- FAO works actively with partners to improve definitions and methods on climate change statistics, e.g., allocation to agrifood systems components; disasters in agriculture; support to NDC, NAPs.
- Eager to mobilize community for more effective capacity development work on climate change, consistently with SDG processes



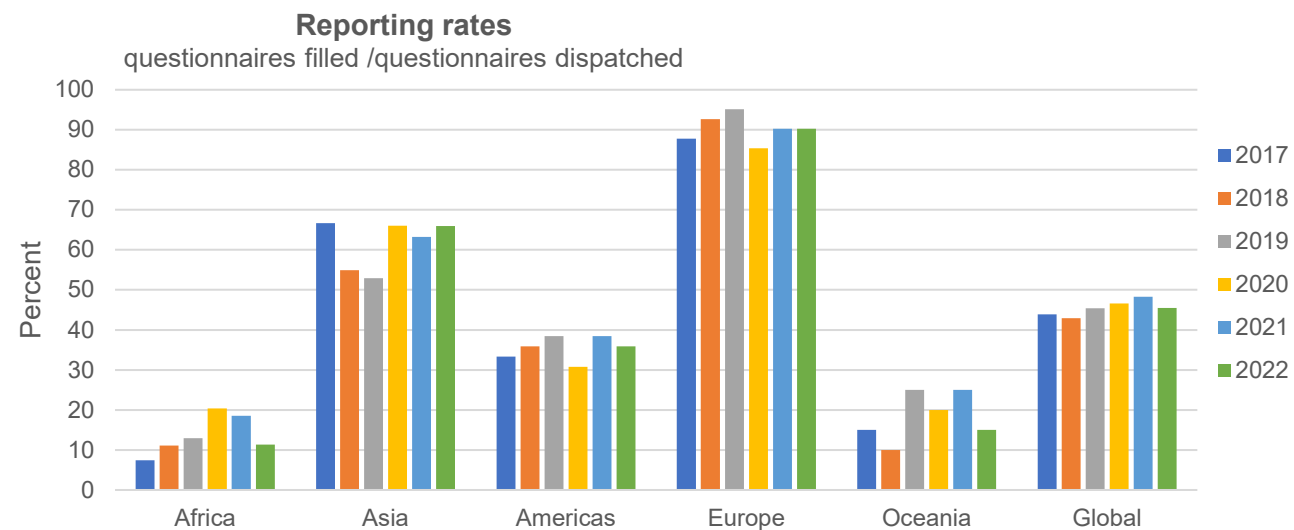
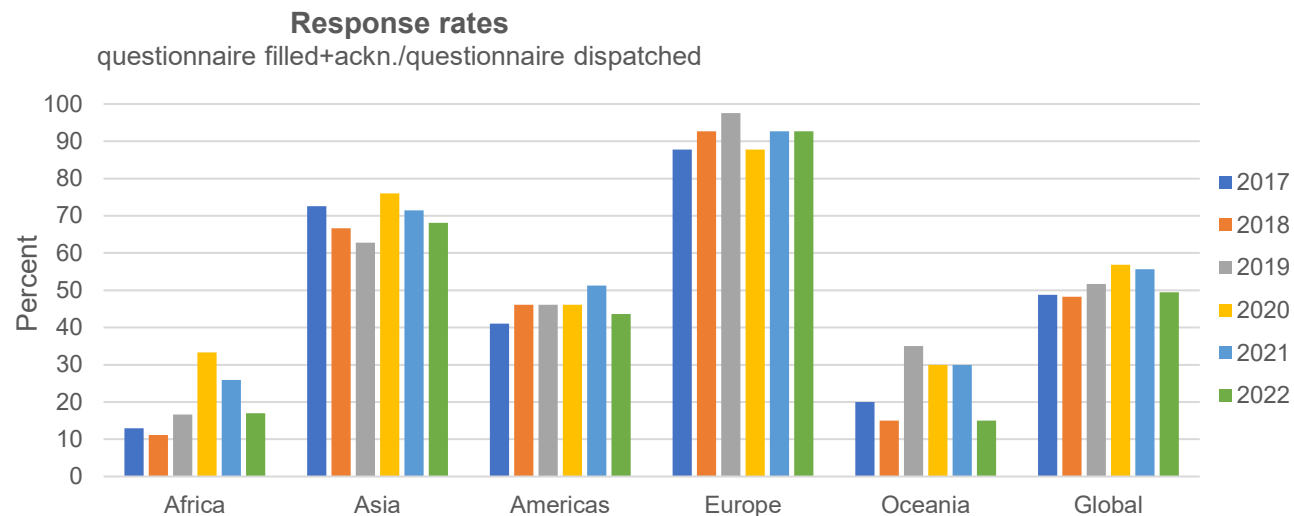
Thank you

francesco.tubiello@fao.org

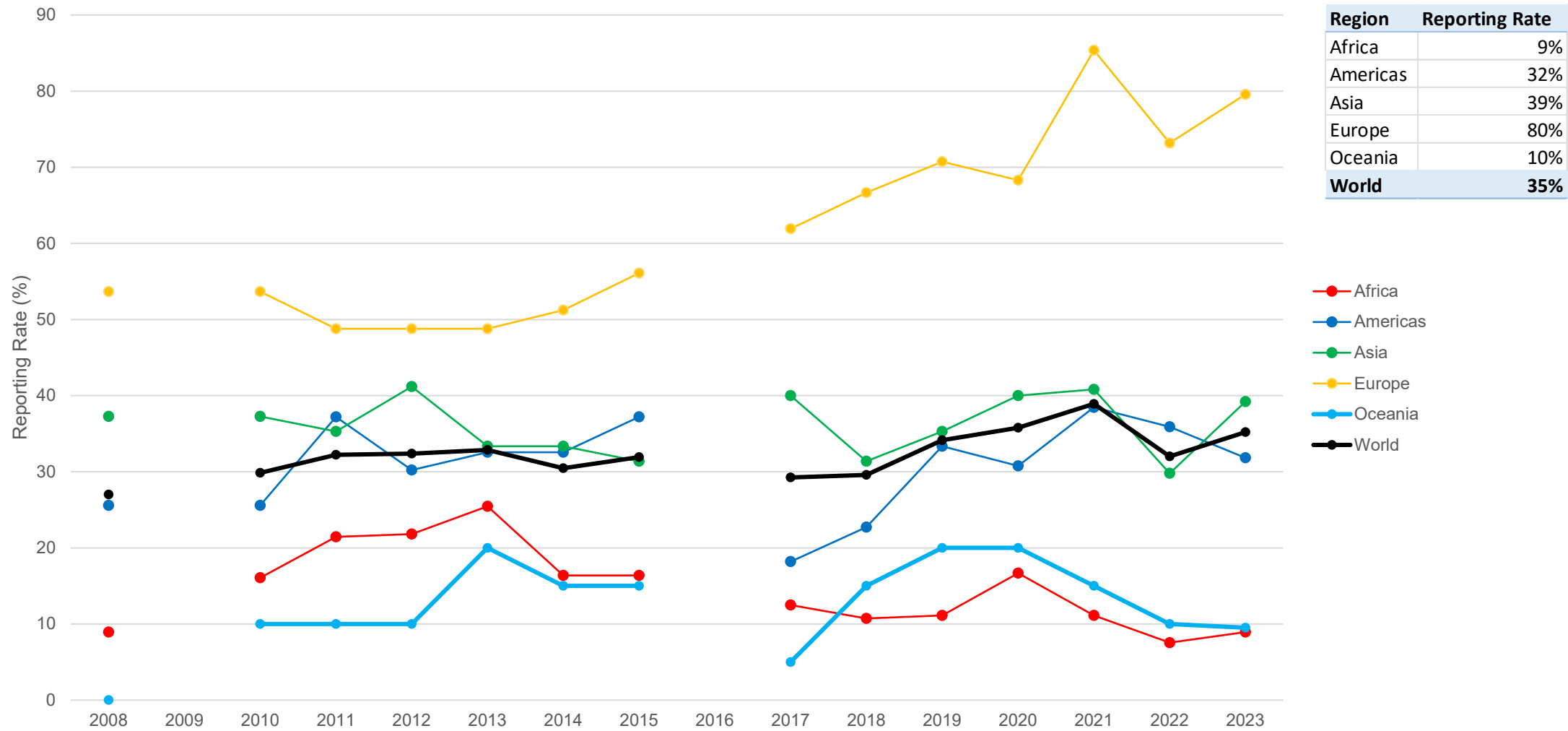
Fertilizer: Response and reporting rates by regions



Land Use: response and reporting rates



Pesticides Use Questionnaire Reporting Rate



Thank you

francesco.tubiello@fao.org

Resource-statistics@fao.org