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Measuring e-commerce through postal trade

WORKING GROUP ON MEASURING
E-COMMERCE AND THE DIGITAL ECONOMY

3 May 2021



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“[...] to stimulate the lasting development of efficient and accessible universal postal services of quality in order to facilitate communication between the inhabitants of the world”.

Preamble of the UPU Constitution





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Through the International Bureau the UPU fulfils three functions

- **It is a unique forum** that builds consensus and convergence, bringing together governments, regulators, and other stakeholders from 192 countries with a view to sharing experiences and identifying multilateral solutions to global and regional challenges.
- **It is a provider of affordable technical solutions** that can support postal operators and other market players in their efforts to increase operational efficiency.
- **It is a knowledge center** capable of fostering capacity development and knowledge and information sharing, and of providing high-value added research and analytics to all stakeholders interested in using big data on 192 countries to seize the opportunities offered by global trends, such as the growth of e-commerce.



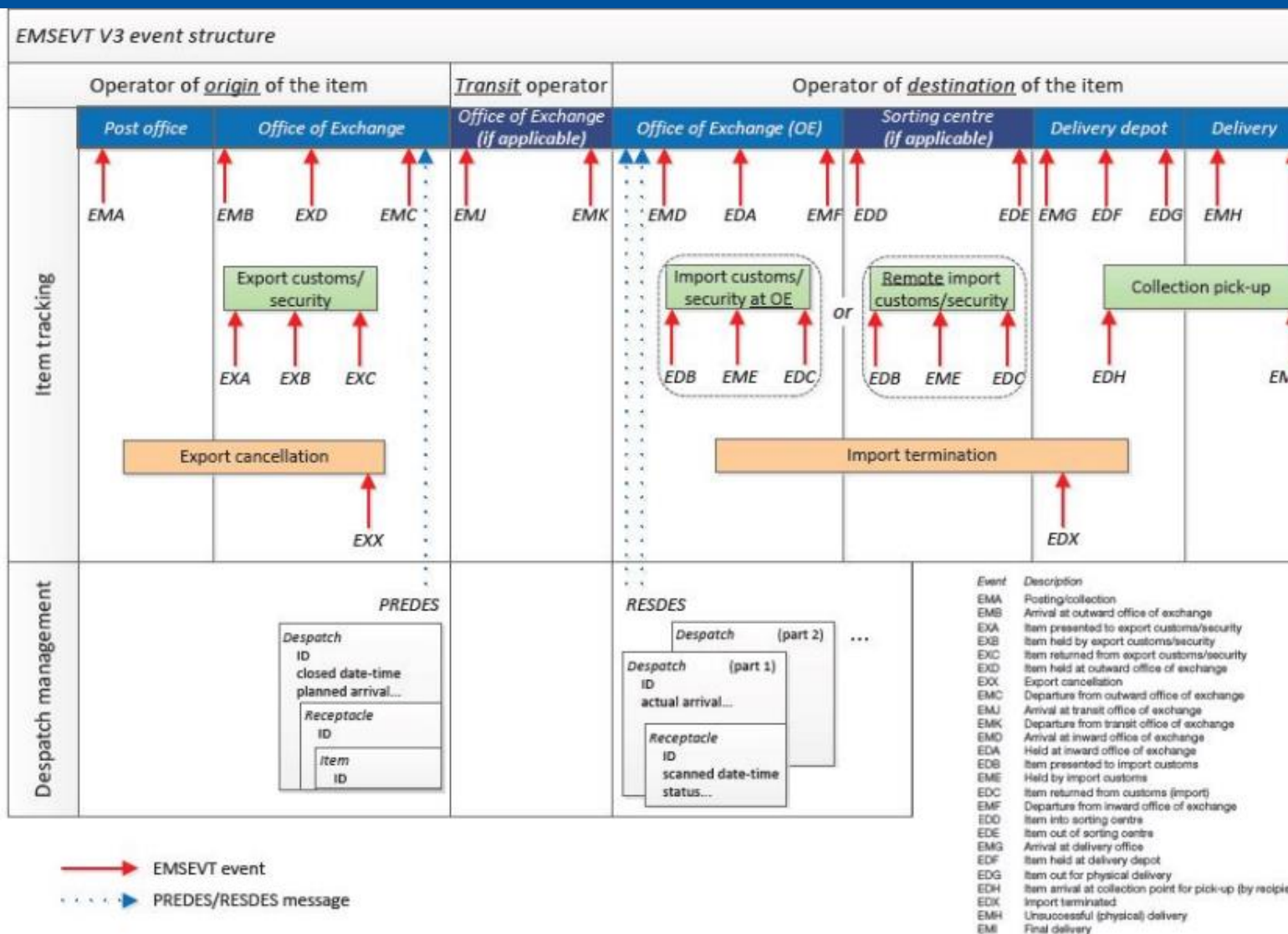
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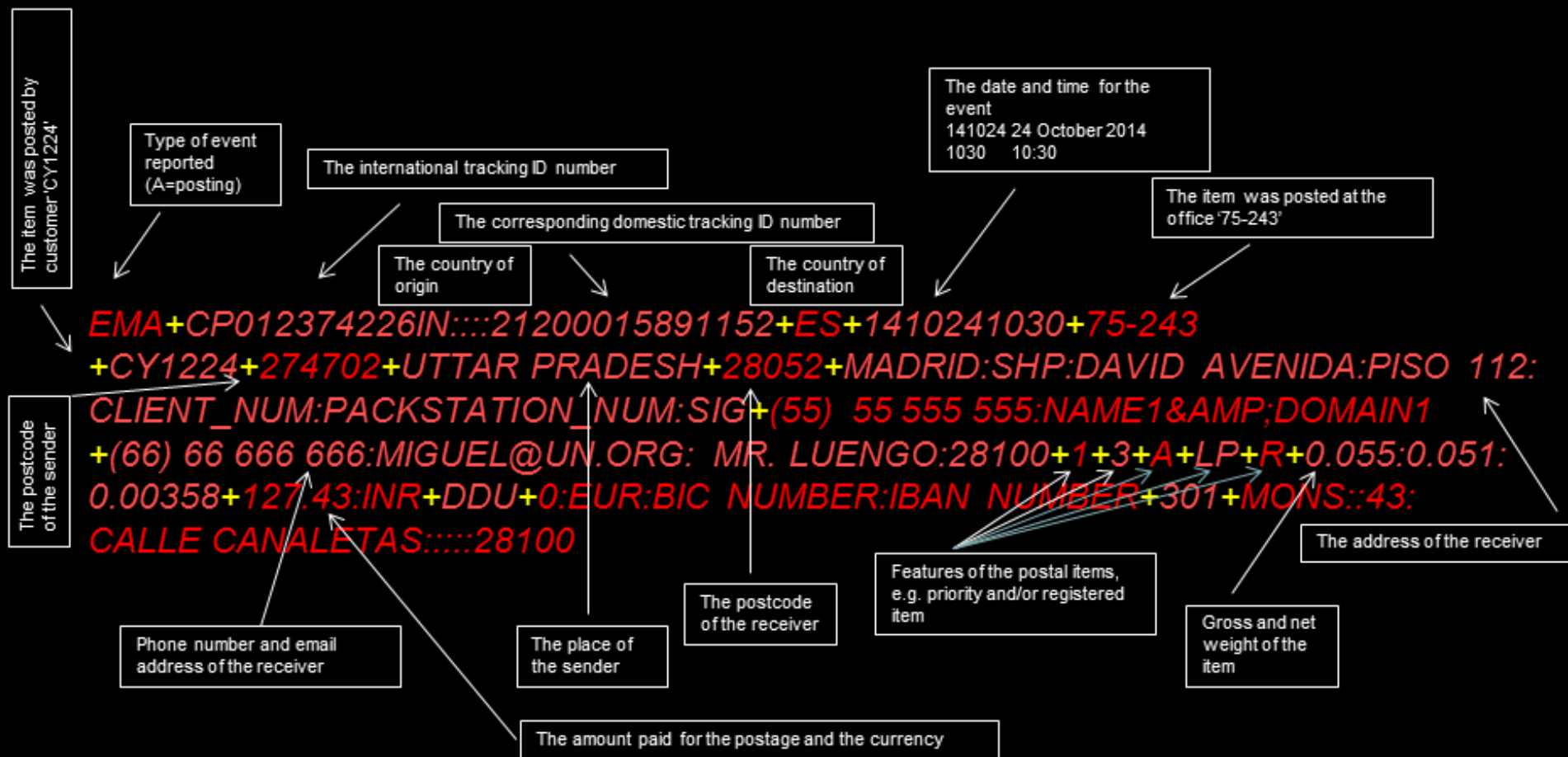
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The efforts in measuring e-commerce (domestic and international) are concentrated around:

- **Postal statistics** contain data from over 200 countries or territories and include approximately 100 indicators of postal development. The data is collected annually from all UPU member countries.
- **High-frequency data** extracted from EDI messages are sent between postal operators with operation information about mail items. They contain data on mail type, tonnage, nature of transaction, value of shipment, postage and delivery times.

These are proxies of physically delivered e-commerce purchases.





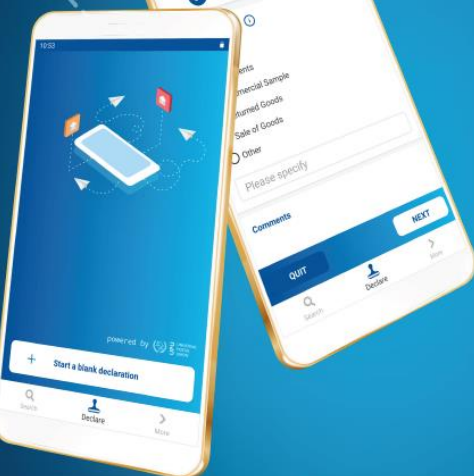


EAD Mobile App

Electronic Advanced Data

The easiest way to prepare your Customs declarations
Development financed by the QSF Common Fund

- Speed up Customs clearance and distribution
- Facilitate e-commerce
- Control prohibited and restricted goods
- Improve product safety



Test the EAD Mobile App
www.upu.int/eadapp



Contact your local postal operator to start using the app

(Designated Operator)		CUSTOMS DECLARATION			CN23	
From	Name	Sender's customs reference (if any)	No. of item (barcode, if any)	May be opened officially	Important! See instructions on the back.	
	Business					
	Address					
	Postcode					Tel. No.
	Country					
To	Name	Importer/addressee reference (if any) (tax code/VAT No./importer code) (optional)	Importer/addressee fax/e-mail (if known)			
	Business					
	Address					
	Postcode					Tel. No.
	Country					
Detailed description of contents (1)		Quantity (2)	Net weight(in kg) (3)	Value (5)	For commercial items only	
					HS tariff number (7)	Country of origin of goods(8)
			Total gross weight (4)	Total value (6)	Postal charges/Fees(9)	
Category of item (10)		Commercial sample		Other (please specify) :		Office of origin/Date of posting
<input type="checkbox"/> Gift		<input type="checkbox"/> Returned goods		Explanation :		
<input type="checkbox"/> Documents		<input type="checkbox"/> Sale of goods				
Comments (11): (e. g.:goods subject to quarantine, sanitary/phytosanitary inspection or other restrictions)						I certify that the particulars given in this customs declaration are correct and that this item does not contain any dangerous article or articles prohibited by legislation or by postal or customs regulations.
<input type="checkbox"/> Licence (12)		<input type="checkbox"/> Certificate (13)		<input type="checkbox"/> Invoice (14)		Date and sender's signature (15)
No(s). of licence(s)		No(s). of certificate(s)		No. of invoice		



Challenges remain in achieving full coverage, which differs across EDIs

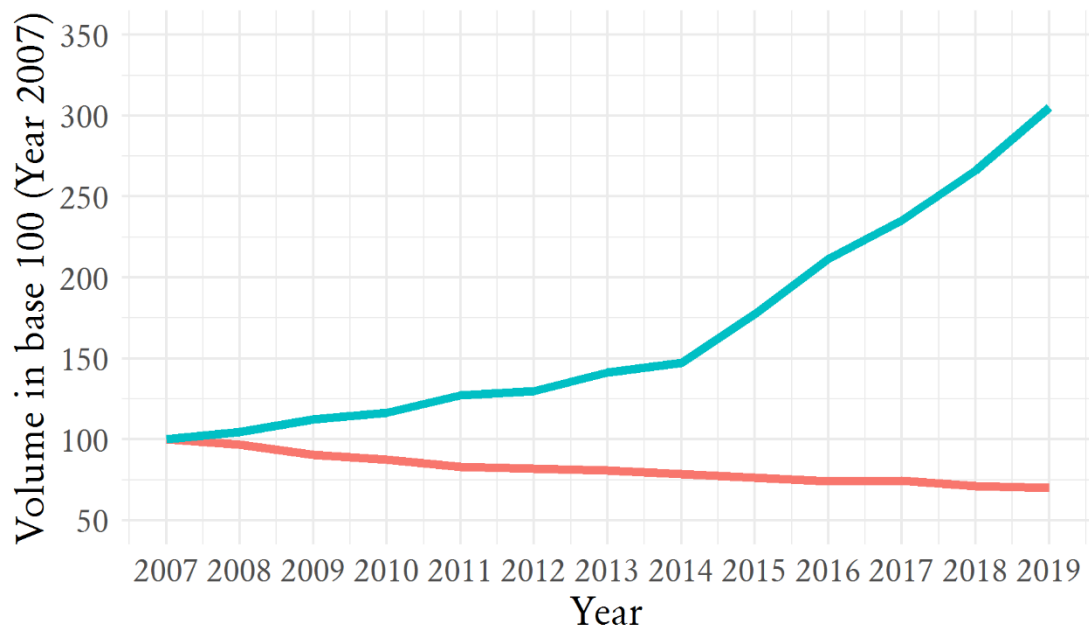
- **Bilateral delivery times**, a proxy for trade costs, are accurately estimated (170 operators with an average of 69 partners).
- **Cross-border postal tonnage** and volumes are well known (170 operators with an average of 48 partners).
- **The value of cross-border items** is known only for some countries and territories (170 operators with an average of 25 partners). However, identifying HS-codes remains challenging.
- For now, the network covers **only designated postal operators**.



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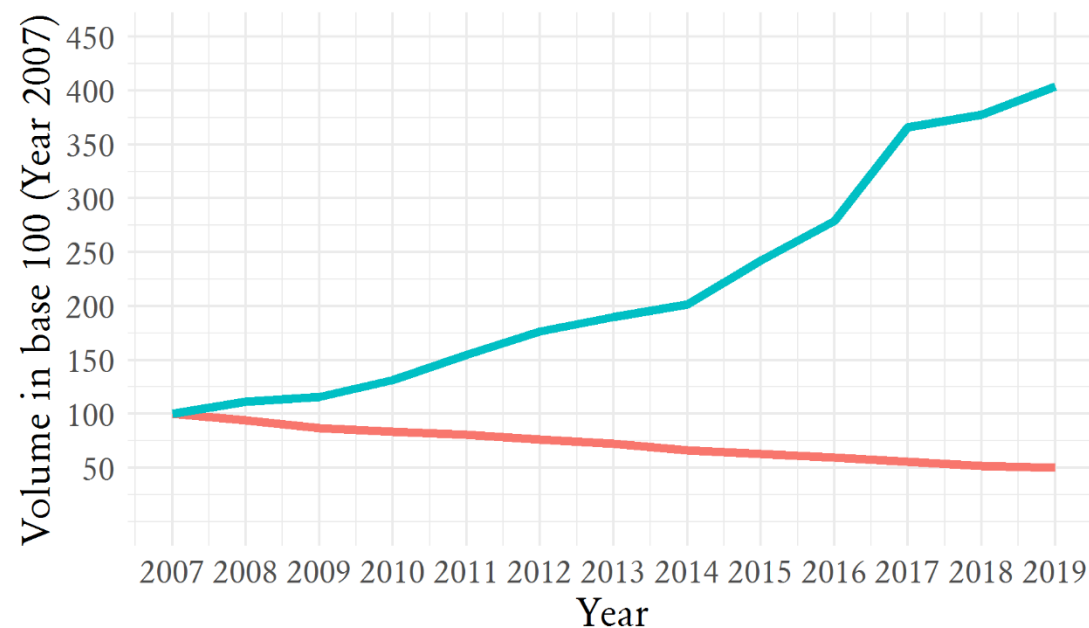
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- Latest publications: <https://www.upu.int/en/Universal-Postal-Union/Activities/Research-Publications>
- UPU standards: <https://www.upu.int/en/Postal-Solutions/Programmes-Services/Standards>
- UPU postal statistics: <https://www.upu.int/en/Universal-Postal-Union/Activities/Research-Publications/Postal-Statistics>
- UPU Monthly Postal Trade dashboard: <https://marketplace.officialstatistics.org/upu-monthly-postal-trade>



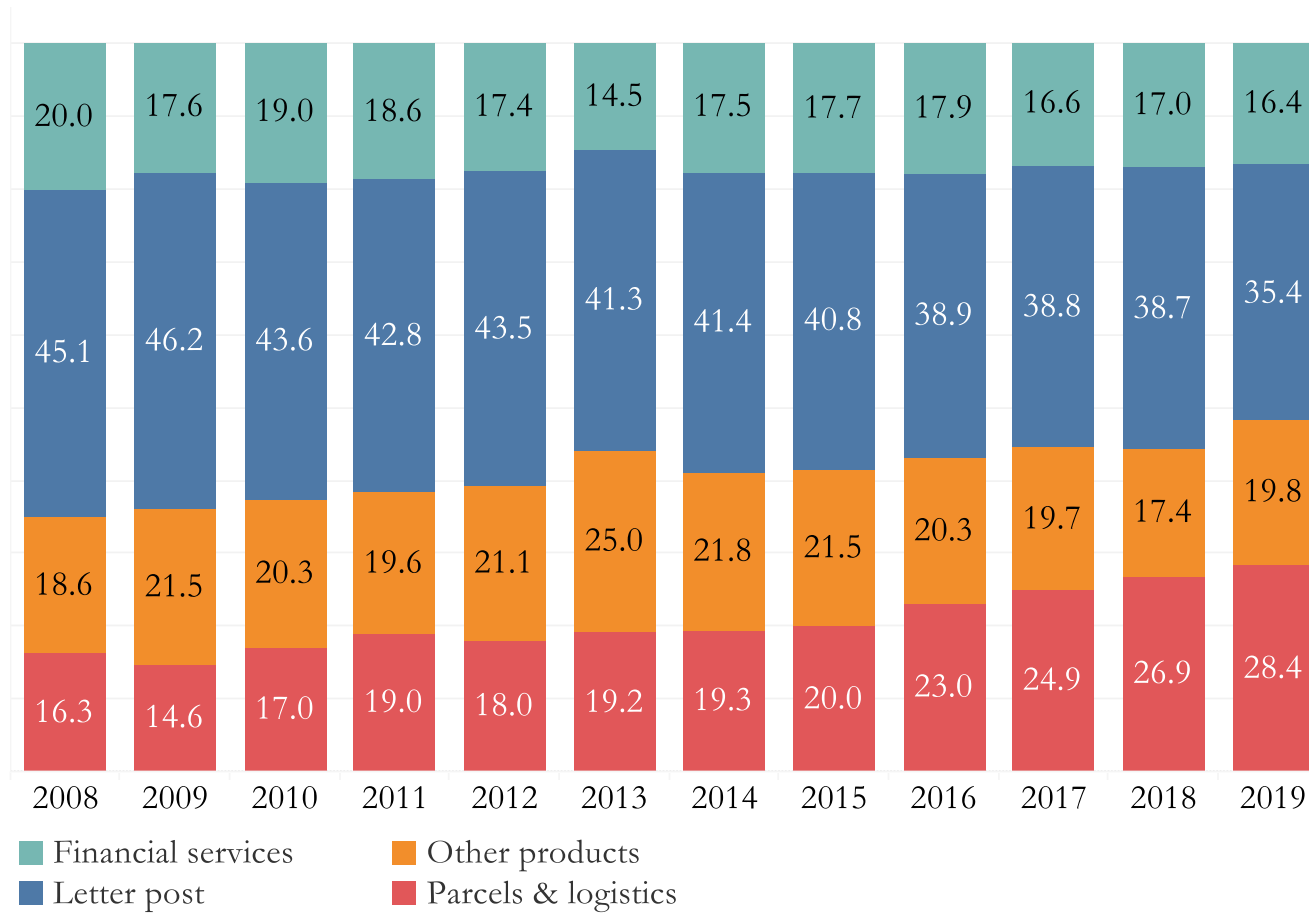
- Letter-post items, domestic service
- Parcel-post items, domestic service

Source: Global estimates based on UPU official statistics.
Notes: Items normalized to 100 in 2007 to allow for trend comparison.



- Letter-post items, international
- Parcel-post items, international

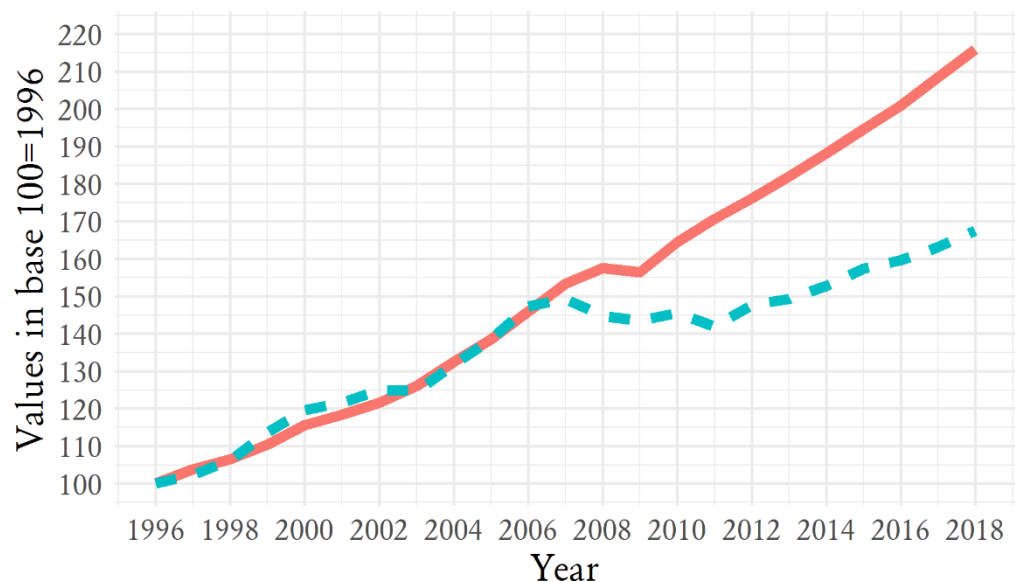
Source: Global estimates based on UPU official statistics.
Notes: Items normalized to 100 in 2007 to allow for trend comparison.



Source: UPU official statistics (2020).



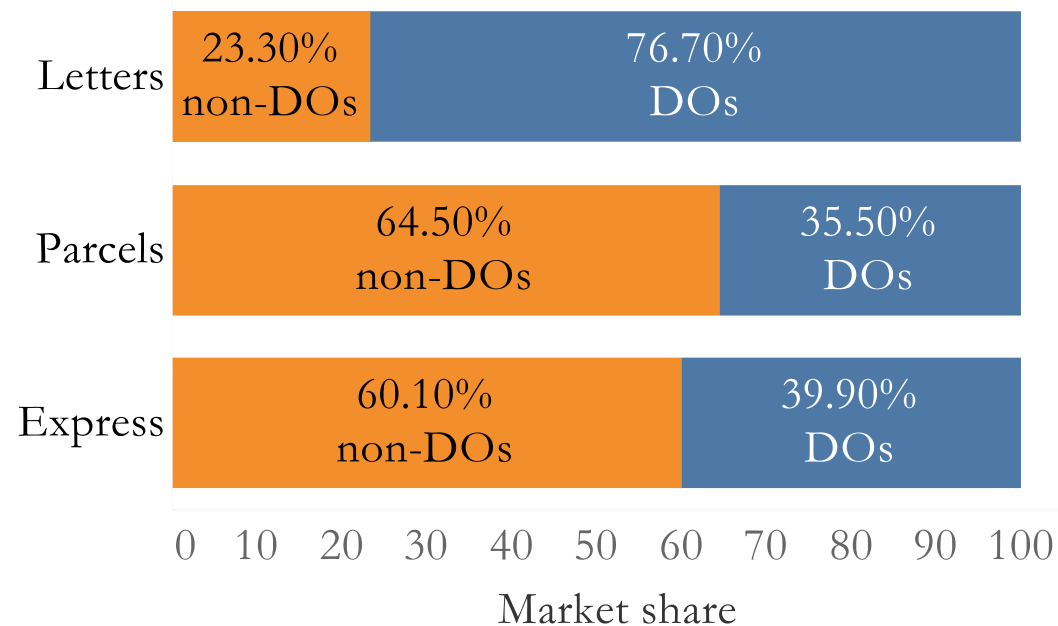
"Postal decoupling"



- GDP, PPP (base 100=1996)
- - - Postal operating revenues, PPP (base 100=1996)

Source: World Bank WDI and estimates based on UPU official statistics.
 Notes: Values normalized to 100 in 1996 to allow for trend comparison.

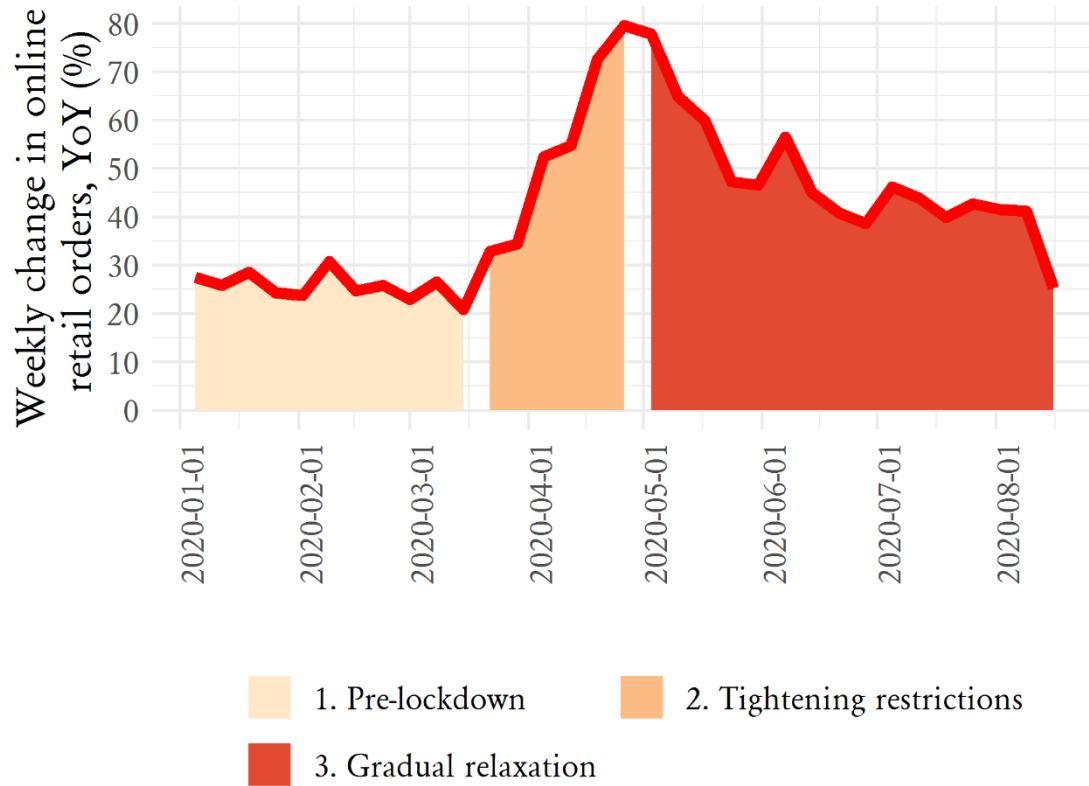
Evolving competitive arena



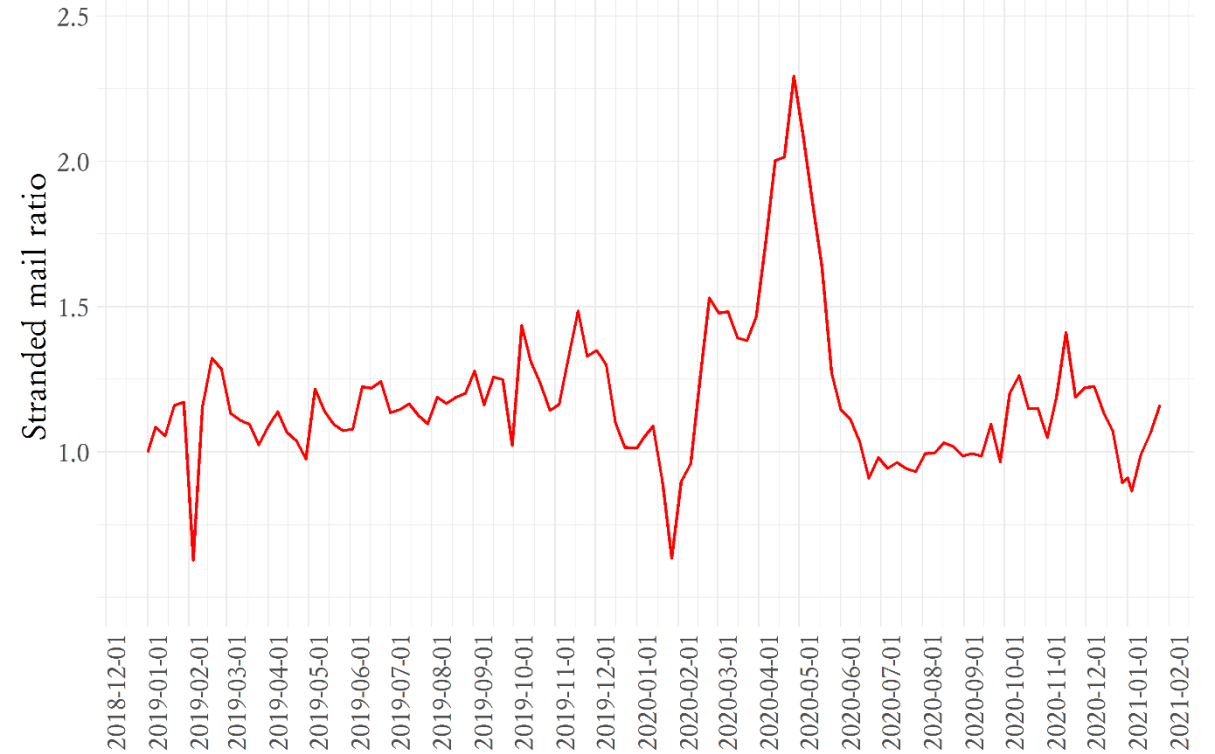
Source: global estimates based on UPU official statistics (2016-2018).



Trends in the postal sector



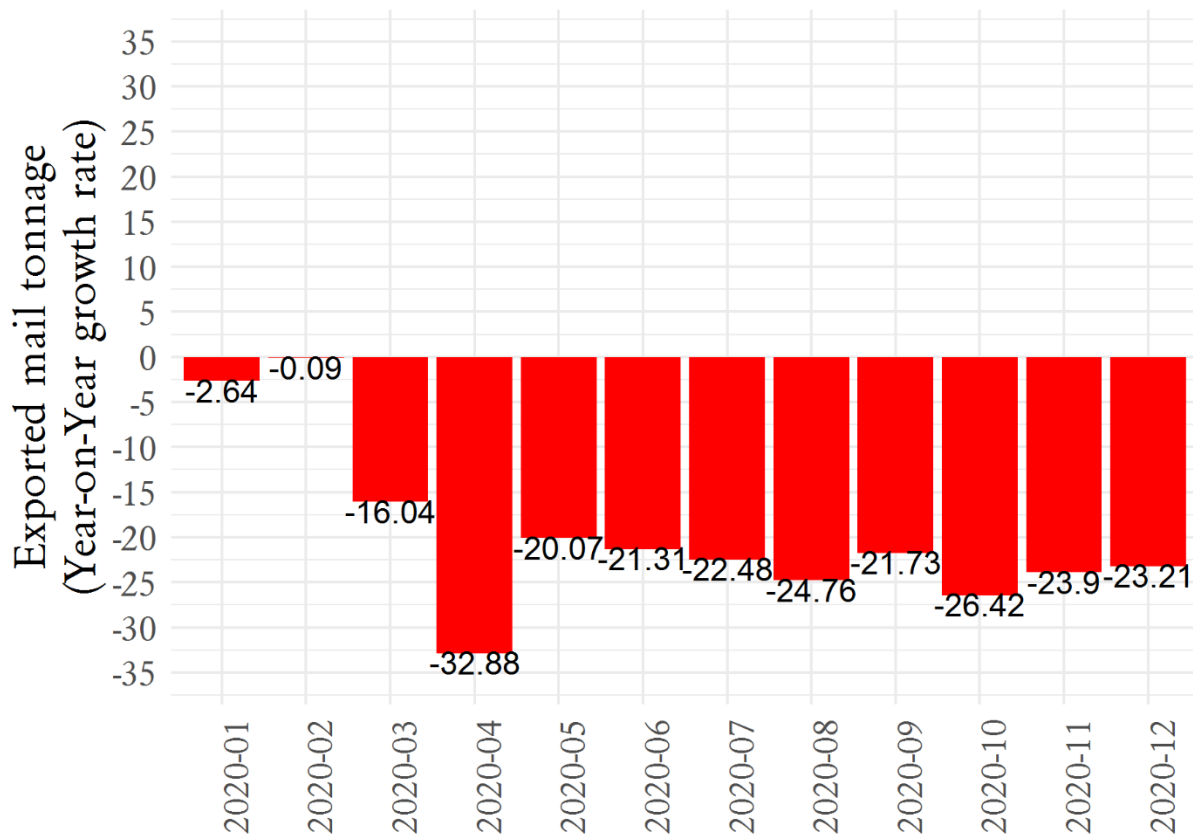
Source: Emarsys, COVID-19 Commerce Insight. Note: Simple average at the global level.



Source: UPU big-data platform, EMSEVT3 messages. Notes: Weekly ratio between announced despatch and reception of mail. Electronic Data Interchange (EDI) messages at the office of exchange level.

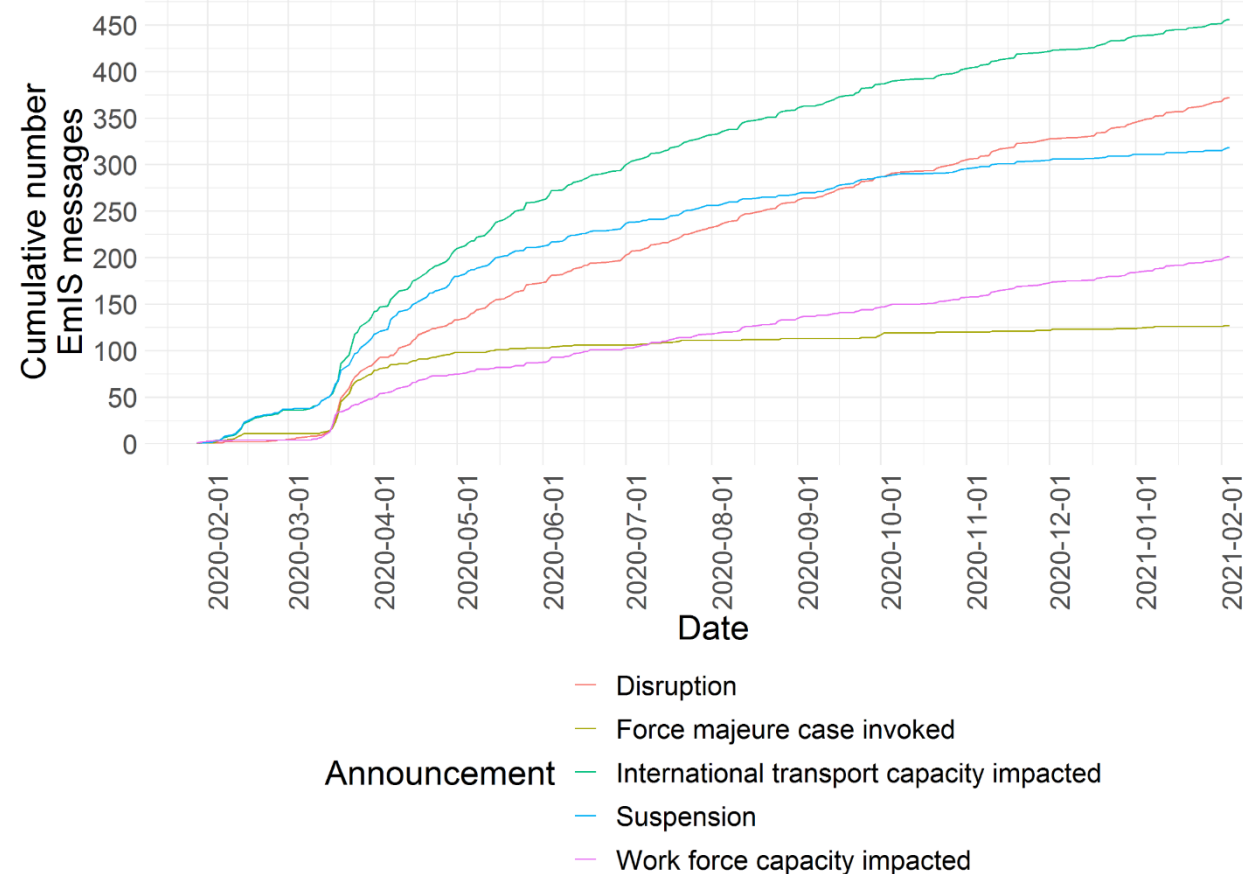


Trends in the postal sector



Source: UPU big-data platform.

Notes: Global monthly tonnage of letters, parcels and express mail.



Source: UPU Emergency Information System (EmlS) messages.

Notes: Daily cumulative sum of announcements at the global level.



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THANK YOU!