



# Unlocking the power of cycling globally

*Presentation for the African Urban Cycling Organization workshop on “Cycling as a Tool for Unlocking Mobility in African Cities”*

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 @AmaralPhilip



ECF gratefully acknowledges financial support from the LIFE Programme of the European Union

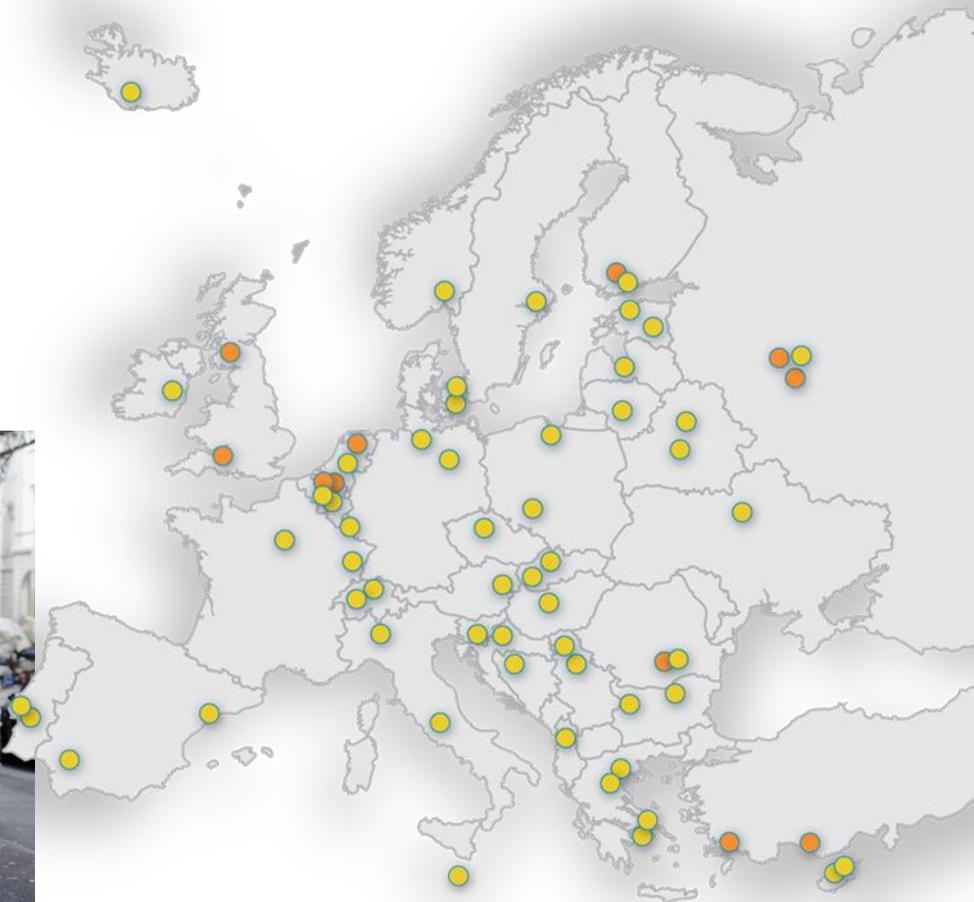


Cycling Industries Europe

ECF gratefully acknowledges financial support from the cycling industry via Cycling Industries Europe

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# About the European Cyclists' Federation



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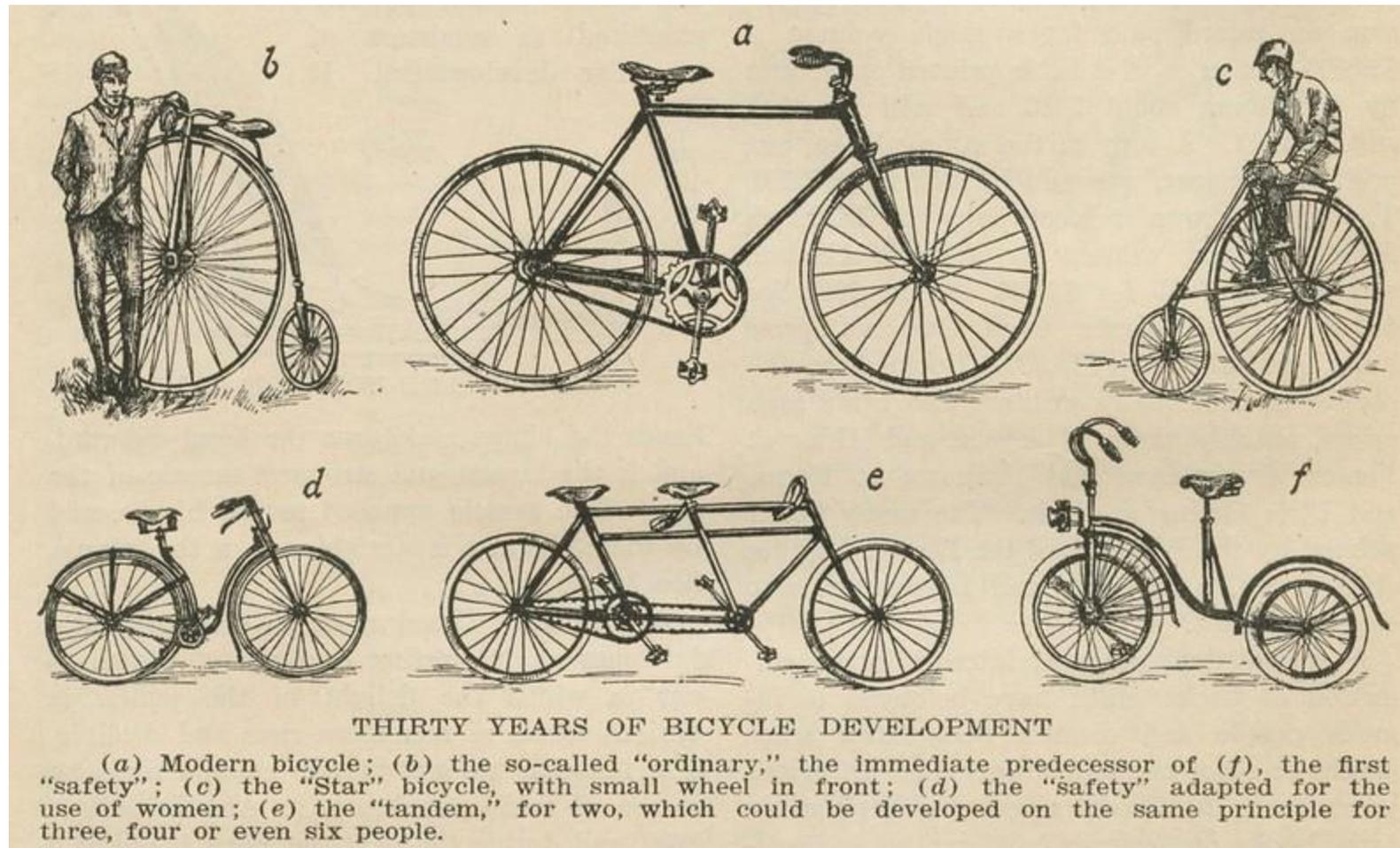


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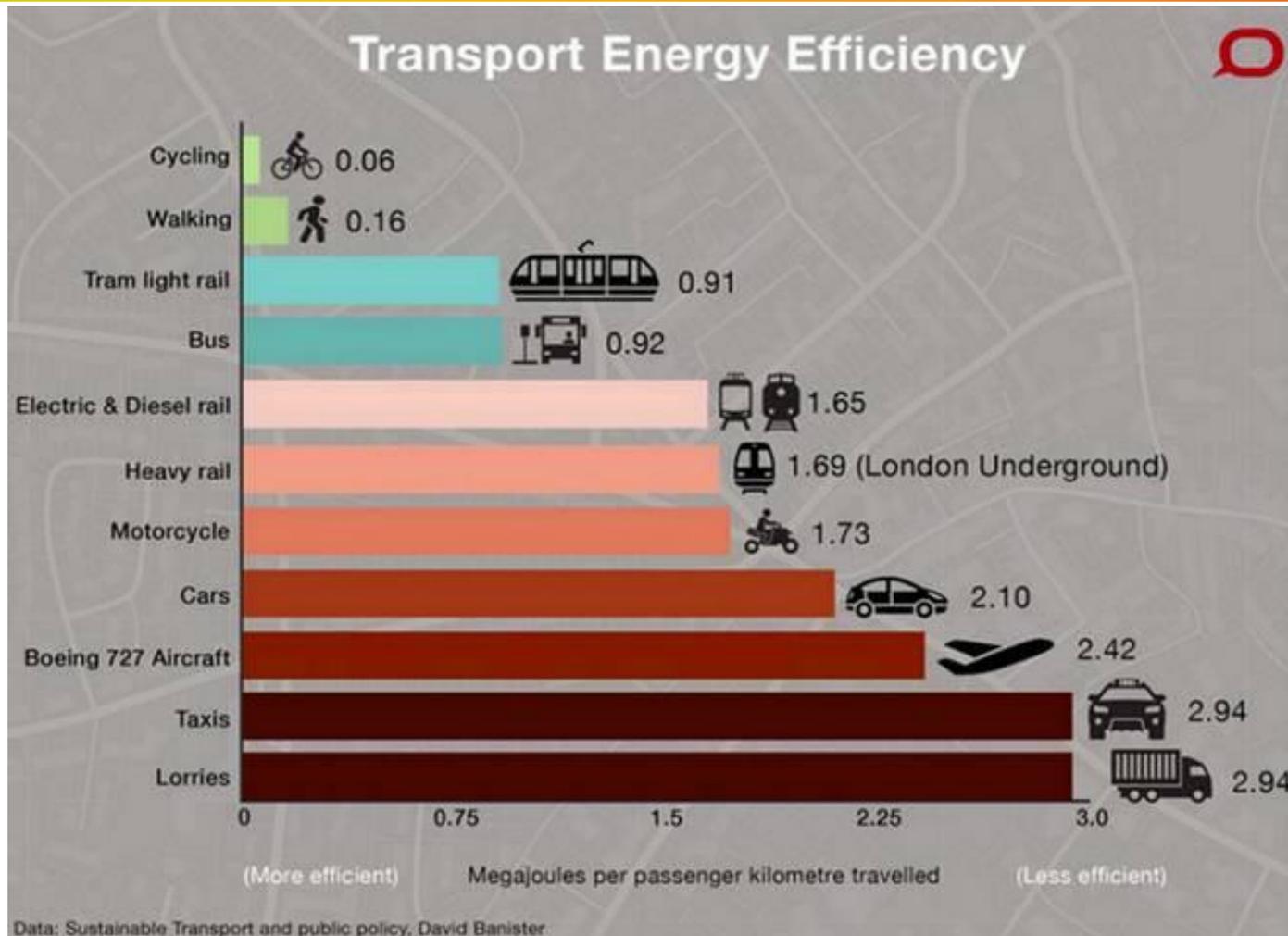
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A close-up, low-angle shot of a bicycle's front wheel and fork. The bicycle is dark-colored, possibly black or dark blue. The front wheel is the primary focus, showing the spokes and the fork. The background is blurred, showing a paved surface and some greenery. The text "Why cycling?" is overlaid in white, bold, sans-serif font in the center of the image.

**Why cycling?**



Attribution 2.0 Generic (CC by 2.0) / Erica Fischer, Thirty Years of Bicycle Development, from "Bicycle", *The World Book*, 1920



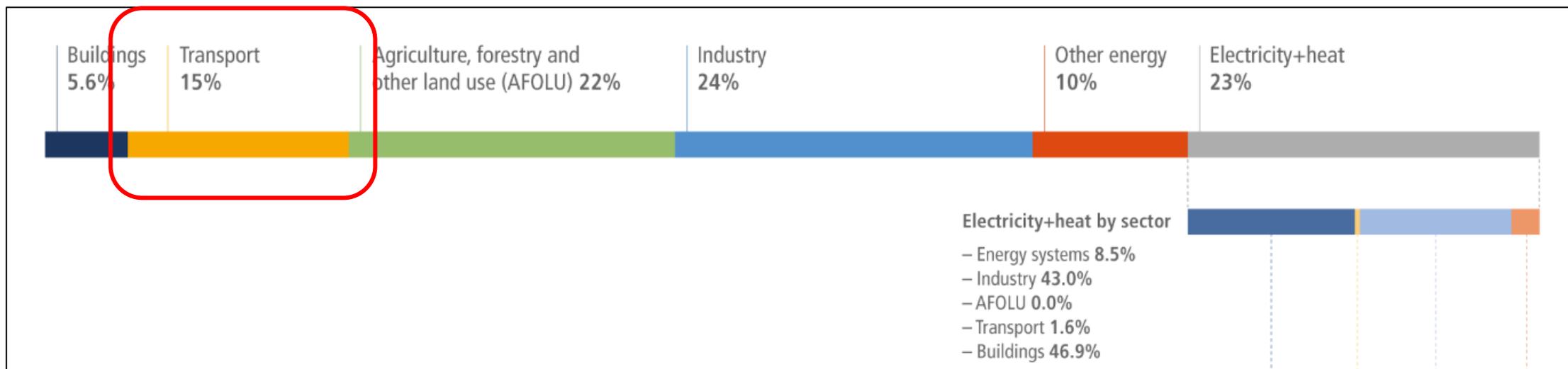
Source: [Taras-Grescoe-UA on Twitter](https://t.co/V7p9dbAENU): ""The bicycle is the perfect transducer to match man's metabolic energy to impedance of locomotion. Equipped with this tool, [a person] outstrips the efficiency of not only all machines but all other animals as well." —Ivan Illich Another (v. clear) transport efficiency graphic <https://t.co/V7p9dbAENU> / Twitter

A row of colorful bicycles parked on a cobblestone street. The bicycles are in various colors, including yellow, teal, red, and blue. The focus is on the front wheels and frames of the bikes in the foreground, which are slightly out of focus. The background shows more bicycles and a white van parked on the street. The overall scene is a close-up, low-angle shot of a bicycle rack.

**We need cycling  
more than ever**

**In 2019, approximately 15% of global anthropogenic net greenhouse gas emissions came from the transport sector**

**The average annual greenhouse gas emissions growth due to transports was roughly constant between 2010 and 2019 at about +2% per year**



IPCC AR6 WGIII SPM – Figure TS.6



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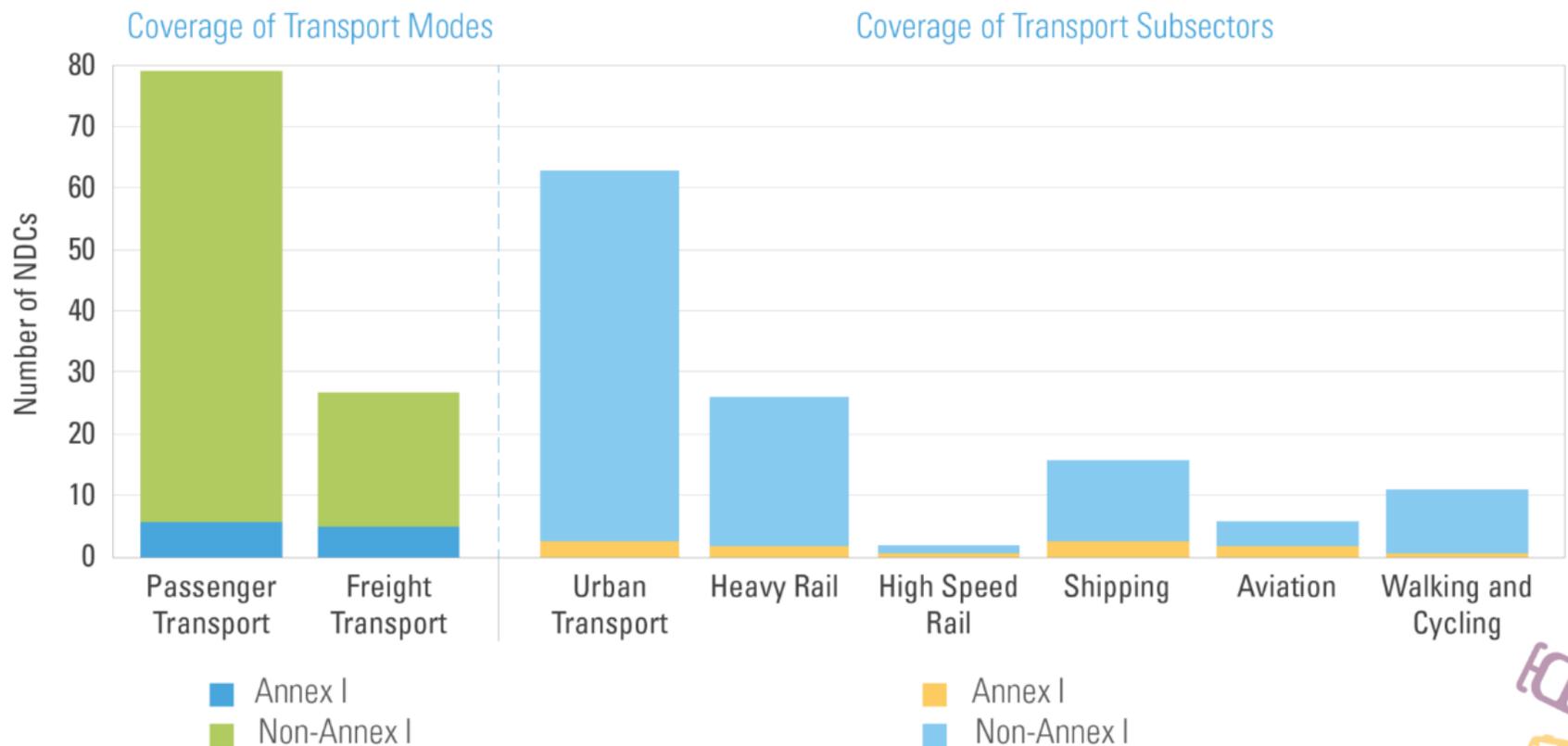
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A group of people are riding bicycles on a dedicated, reddish-brown paved bike path. The path is bordered by a dark metal railing on both sides. To the right of the path, there are railway tracks with overhead power lines and poles. In the background, there are modern buildings and trees under a cloudy sky. The overall scene is an urban environment promoting cycling.

**Cycling is an answer**

# Cycling in Nationally Determined Contributions



Transport modes and subsectors in NDCs (from the Transport and Climate Change Global Status Report 2018)

Source: [Transport in First Generation of NDCs - SLOCAT](#)

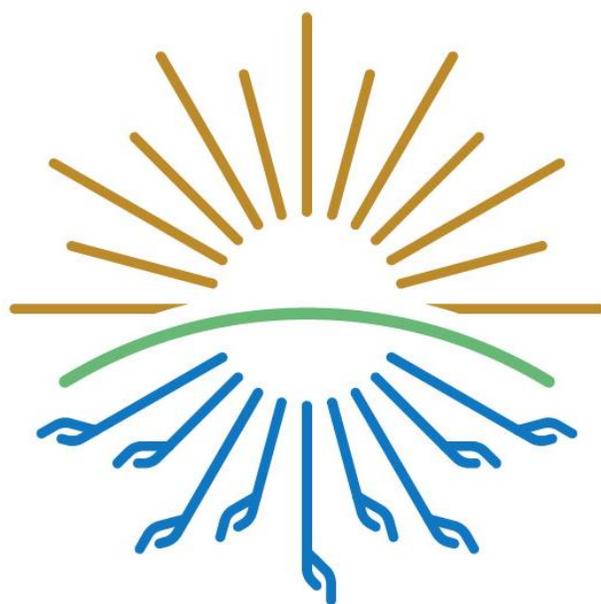
- Quantify the co-benefits of cycling, draw attention to the crucial role cycling has for achieving climate goals
- Leverage and amplify the work of coalitions
- Provide guidance, tools and expertise to catalyse action by governments
- Advocate for further change at subsequent COPs



An aerial view of a large group of cyclists riding on a road. The cyclists are wearing various colored jerseys and helmets. To the left of the cyclists is a multi-lane highway with several cars and a bus. The road is bordered by a concrete barrier on the right side. The overall scene suggests a cycling event or a group ride in an urban or suburban setting.

Cycling is on the cusp of  
major, transformational  
change





**COP27**  
SHARM EL-SHEIKH  
EGYPT 2022

**“We hope to see stakeholders come together and demonstrate genuine commitment to active mobility and electrification of buses across the world, and particularly for the Global South.”**

*H.E. Ambassador Ayman Tharwat Amin  
Deputy Director of the Department of Climate,  
Environment and Sustainable Development  
Ministry of Foreign Affairs, Egypt*

Source: [https://twitter.com/Rob\\_AQMobility/status/1568143805802598400?s=20&t=jQvClbDI3qE7R2J-C7c7Rg](https://twitter.com/Rob_AQMobility/status/1568143805802598400?s=20&t=jQvClbDI3qE7R2J-C7c7Rg)



**“... integrate cycling into public transportation, in urban and rural settings in developing and developed countries ...”**

**A/RES/76/255  
26 Jan 2022**



**“... a clear priority ... on the development of public transport, walking and cycling.”**

EU Urban Mobility Framework 2021

## Cycling towards energy independence



# The transformative effect of cycling

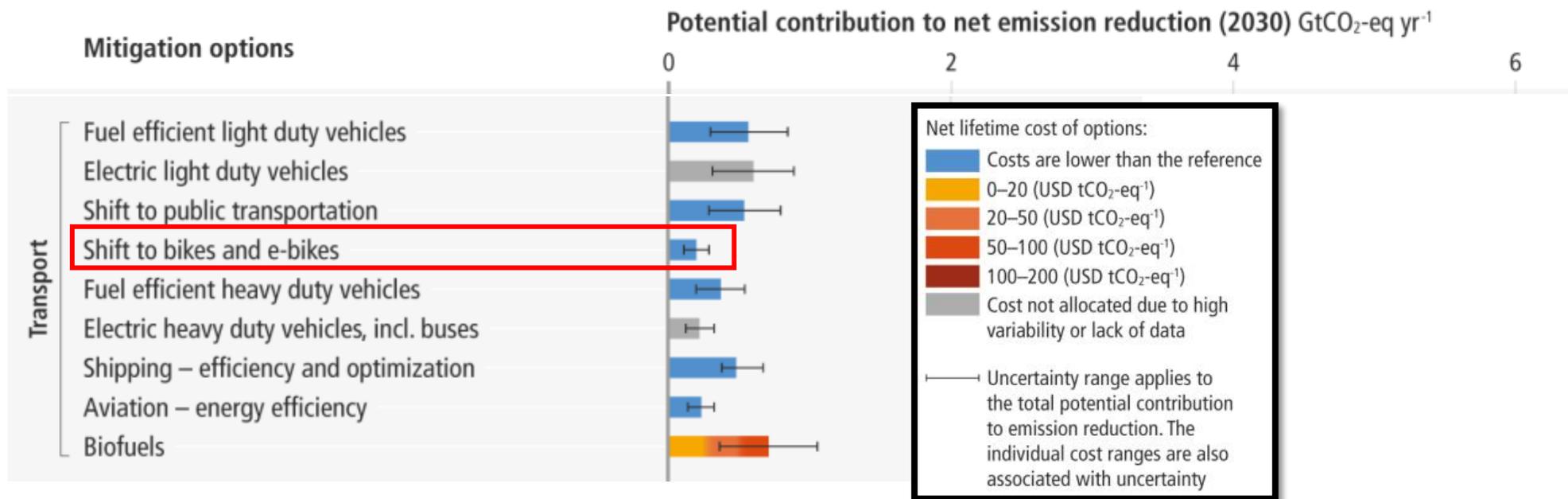




**We need more people to swap car journeys for bike journeys.**

- More cycling for**
- **Cleaner air**
  - **Safer roads**
  - **Better mobility**

## Shift to bikes and e-bikes is a modest, yet cheap, mitigation option



IPCC AR6 WGIII SPM

## Shift to bikes and e-bikes comes with many co-benefits

### Sectoral and system mitigation options

### Relation with Sustainable Development Goals

		1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	
Transport	Fuel efficiency – light duty vehicle	+		+				+	+			+					+	
	Electric light duty vehicles			•				•	+	+	•	+	•					
	Shift to public transport	+		+	+	+		+	+	•	+	+	+					
	Shift to bikes, ebikes and non motorized transport	+		•	+	+		+	+	+	+	+	+					+
	Fuel efficiency – heavy duty vehicle	+		+				+	+									+
	Fuel shift (including electricity) – heavy duty vehicle			+				+	+	+				•				
	Shipping efficiency, logistics optimization, new fuels							+	+	+								
	Aviation – energy efficiency, new fuels							+	+	+								
	Biofuels		•	•				+	+	+			+			•	•	

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# Cycling will make our future better

**SDG 11, sustainable cities & communities: more compact and livable cities, less need for motorised transport**



**SDG 1, no poverty: cycling less costly than motorised transport**

**SDG 3, health: improves people's fitness, cuts air pollution**

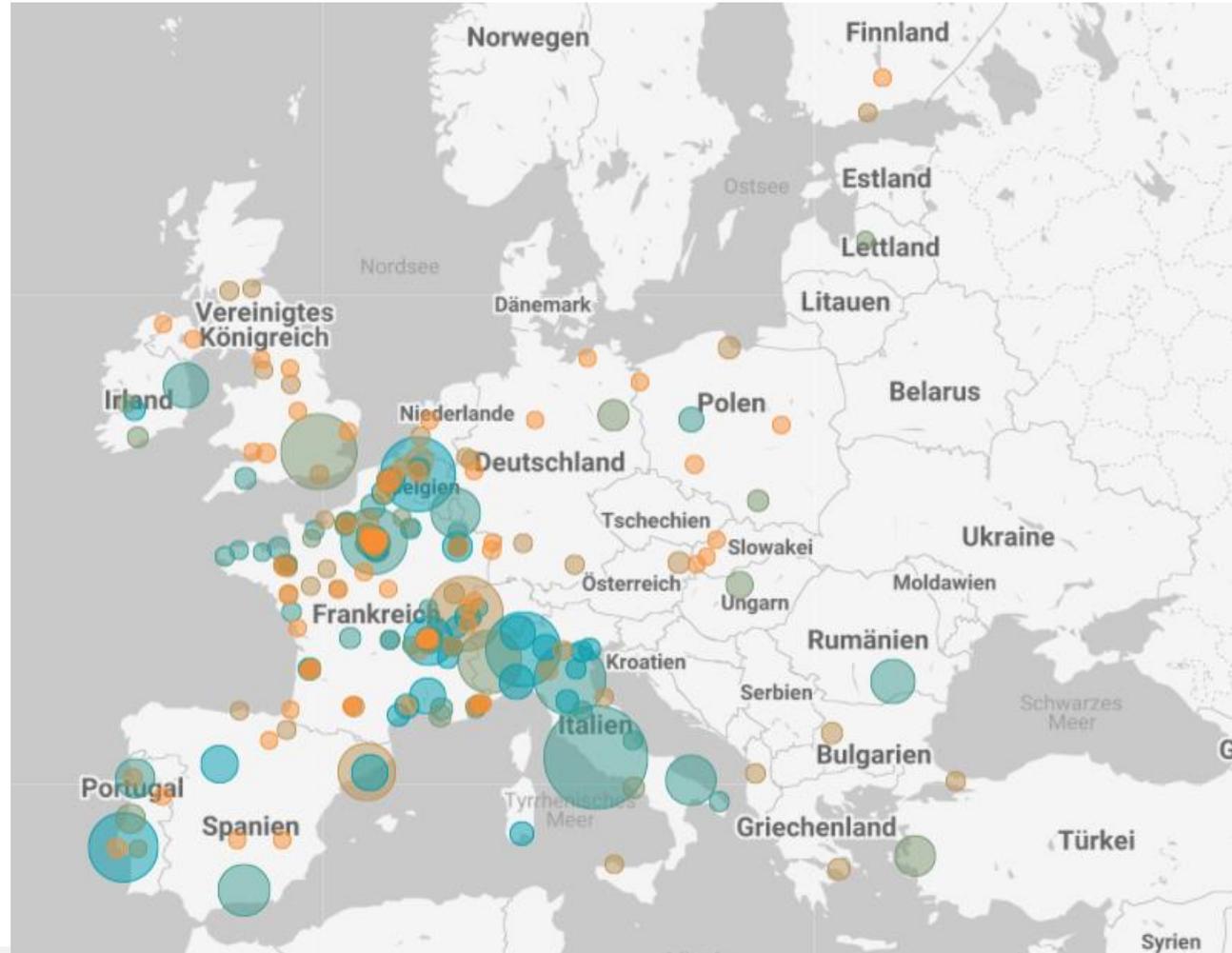
**SDG 5, gender equality: more mobility independence for women**

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A group of young people are riding bicycles on a city street. The street has tram tracks in the foreground. In the background, there are trees, a large stone gate, and a traffic light. The text "Cycling deserves a level playing field" is overlaid in white on the image.

Cycling deserves a level playing field

# COVID cycling measures: Standout cities and observations



## Rue de Rivoli, Paris



2012



Mayor  
Anne Hidalgo



2020

## Dublin



2020



Minister Eamon Ryan



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