

# L'inventario delle emissioni. Focus sul settore industriale

Ernesto Taurino

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# Sommario

- IPCC
- Inquadramento inventario
- Energy & Industry
- Bilancio Energetico Nazionale
- ETS e altre fonti
- Risultati e obiettivi

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# IPCC Sixth Assessment Report (AR6)

During the sixth assessment cycle ( October 2015 to July 2023) the IPCC produced the Sixth Assessment Report (AR6) with contributions by its three Working Groups and a Synthesis Report, three Special Reports, and a refinement to its latest Methodology Report.

The Working Group I contribution to the Sixth Assessment Report, *Climate Change 2021: The Physical Science Basis* was released on 9 August 2021.

The Working Group II contribution, *Climate Change 2022: Impacts, Adaptation and Vulnerability* was released on 28 February 2022.

The Working Group III contribution , *Climate Change 2022: Mitigation of Climate Change* was released on 4 April 2022.

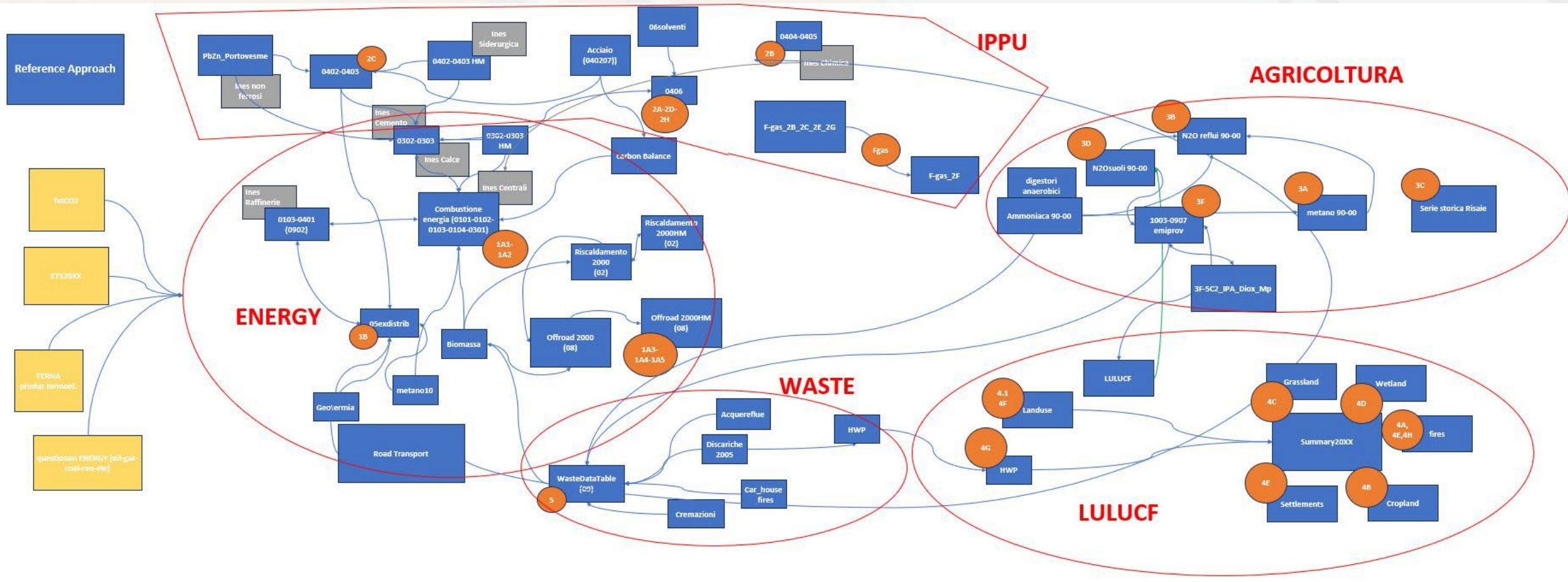
The *Synthesis Report* , *Climate Change 2023: Synthesis Report* was released on 20 March 2023 to inform the 2023 Global Stocktake under the United Nations Framework Convention on Climate Change.

More information on the Sixth Assessment Report is available [here](#).

## AR6 Synthesis Report Climate Change 2023

Summary for Policymakers	Longer Report	SYR (Full volume)	Figures
Headline Statements	Annexes and Index	Press Release	Presentation

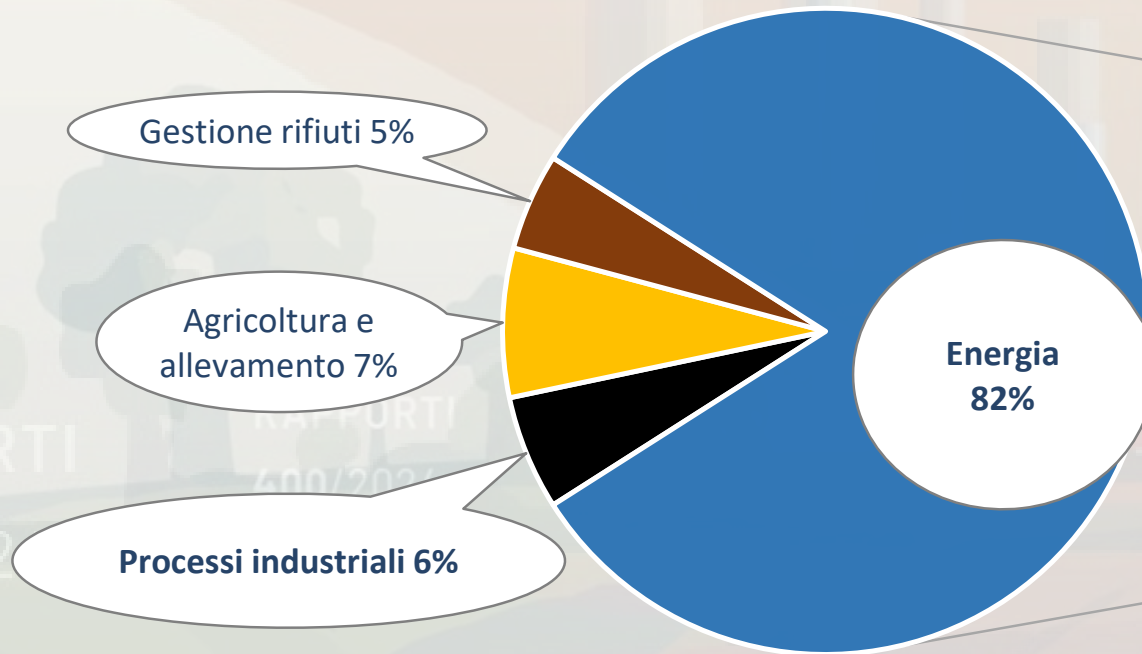
# Inventario delle emissioni



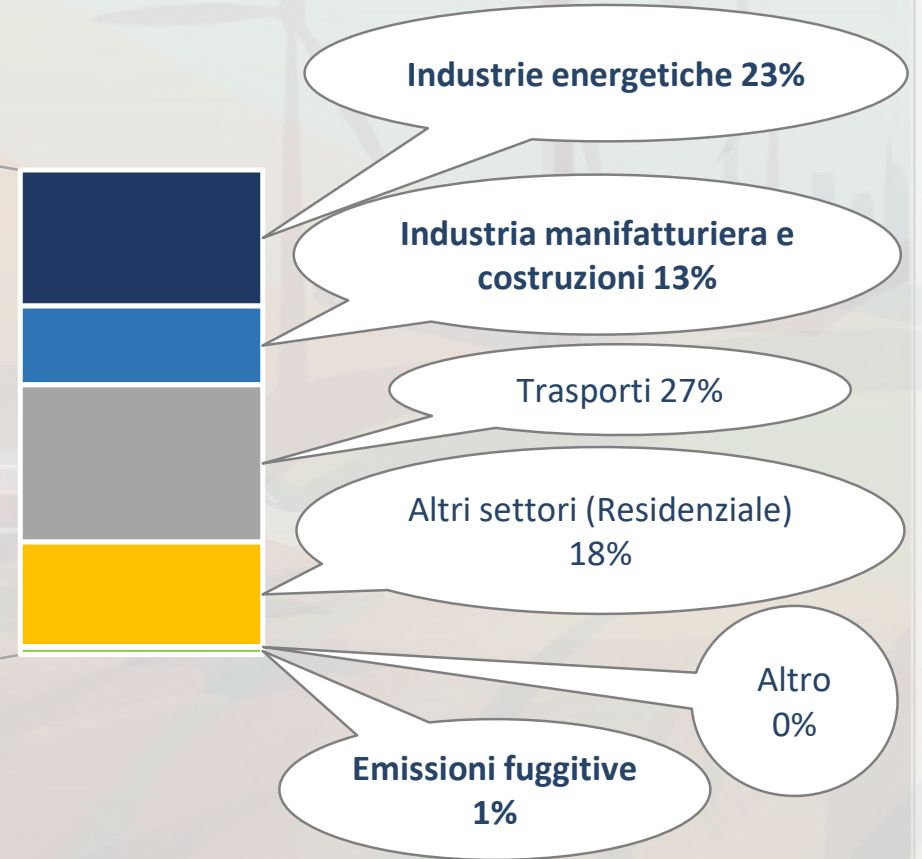
# Inventario delle emissioni

2022

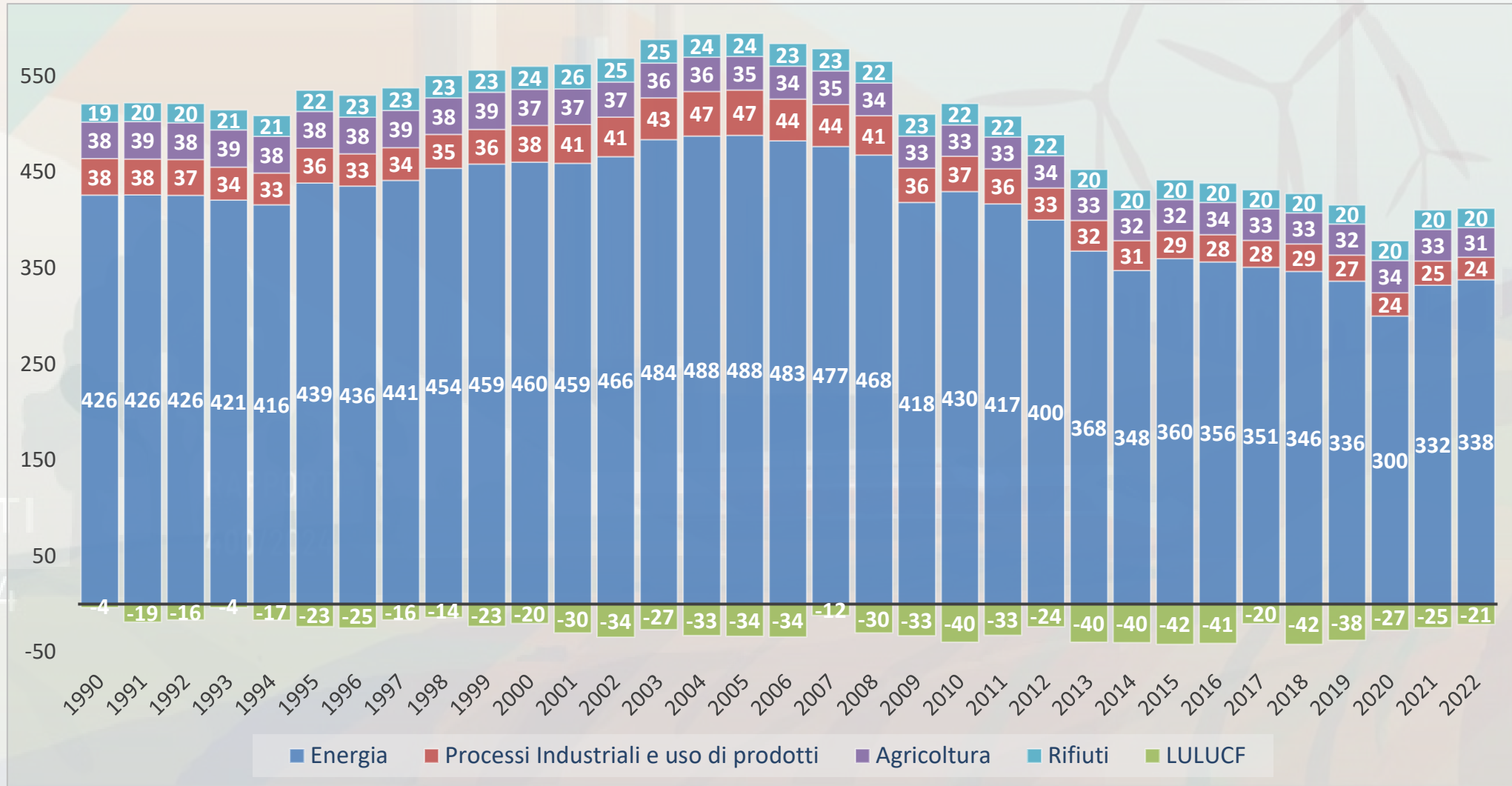
## Totale inventario - Ripartizione in settori



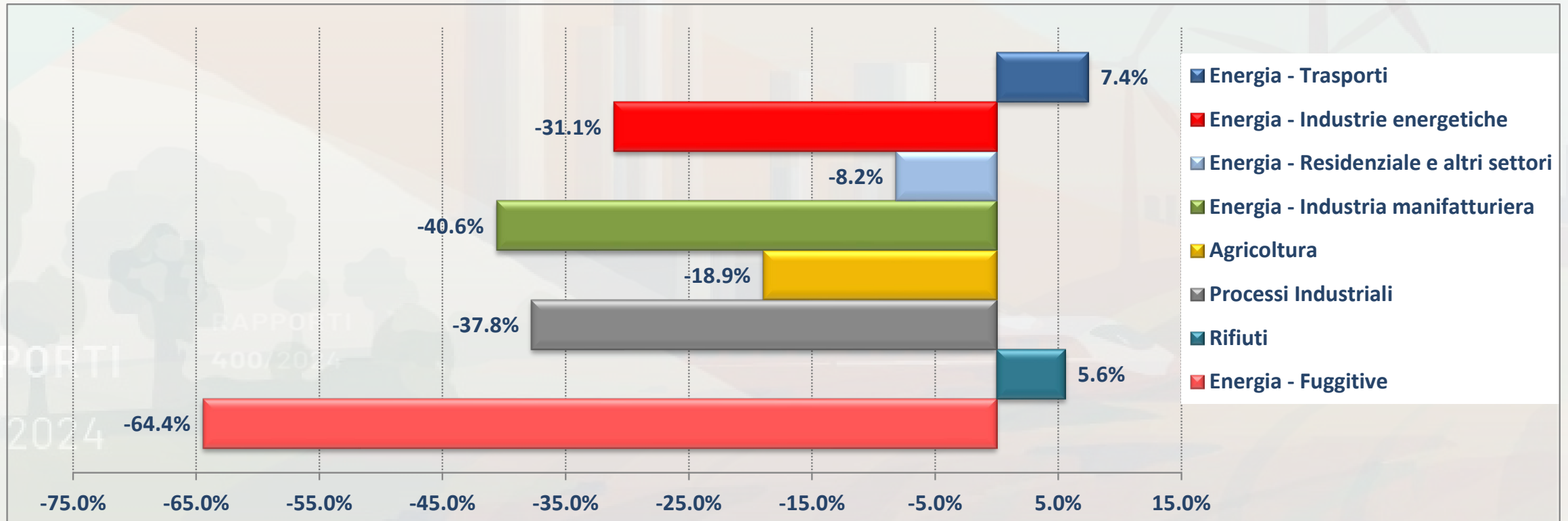
## Ripartizione del settore energia



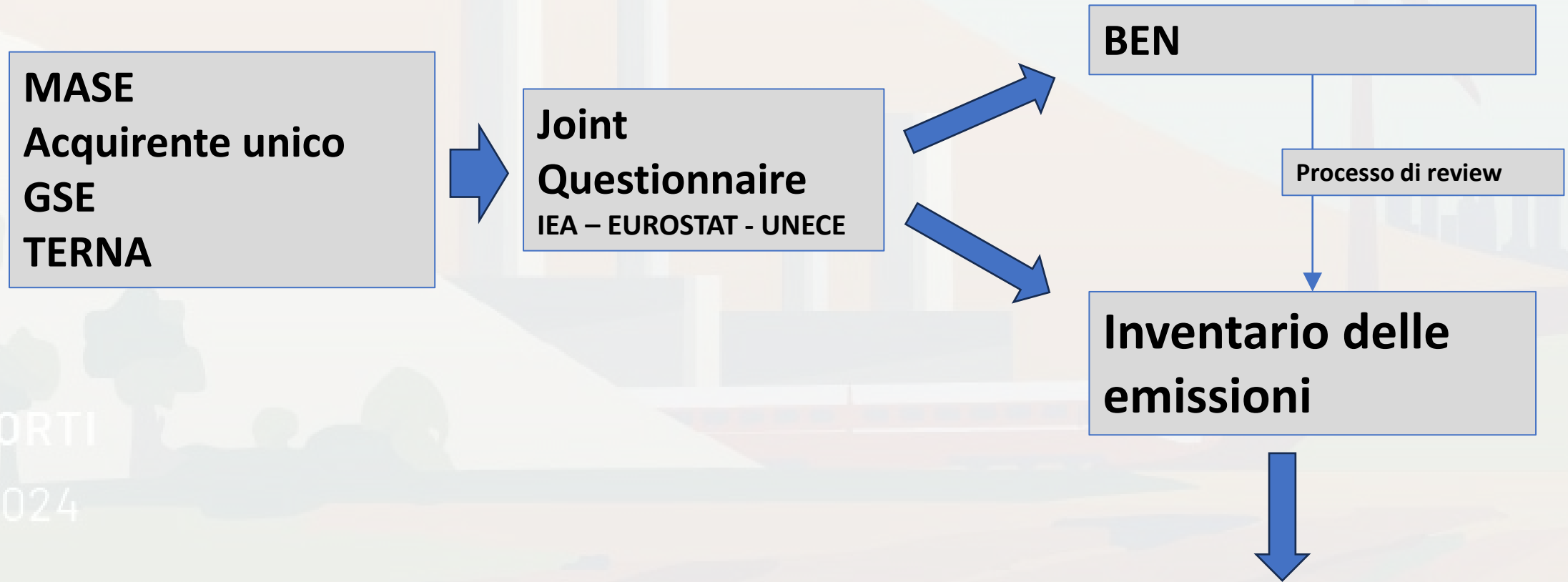
# Inventario delle emissioni



# Inventario delle emissioni



# Bilancio Energetico Nazionale



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# Bilancio Energetico Nazionale → Inventario Emissioni

L'Italia si è allineata per il 2021 e il 2022 alla definizione che Eurostat dà di *main activity producer* e *autoproducer*. Mentre in precedenza distingueva gli uni dagli altri a seconda del superamento o meno della soglia del 70% di energia autoconsumata, ora si definiscono:

- *main activity producer* si impegna a generare elettricità e/o calore per la vendita a terzi, come attività principale;
- *autoproducer* producono elettricità e/o calore, in tutto o in parte, per uso proprio come attività di supporto alla loro attività principale.

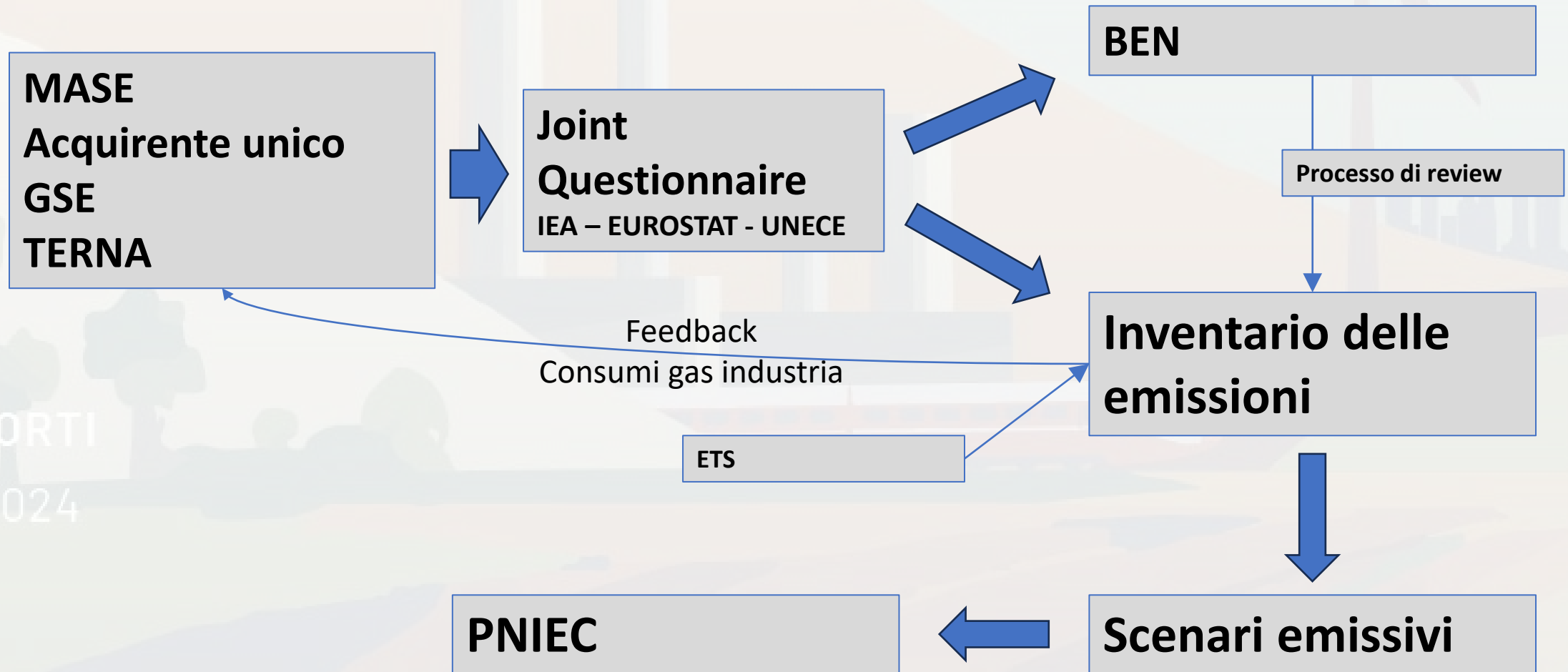
Questo cambio di metodologia ha provocato una rottura di serie per alcuni combustibili.

## Inventario Emissioni → Bilancio Energetico Nazionale

Consumi di gas naturale da impianti ETS → annual disaggregation del bilancio.

In modo da assicurare la coerenza con gli impegni successivi.

# Bilancio Energetico Nazionale



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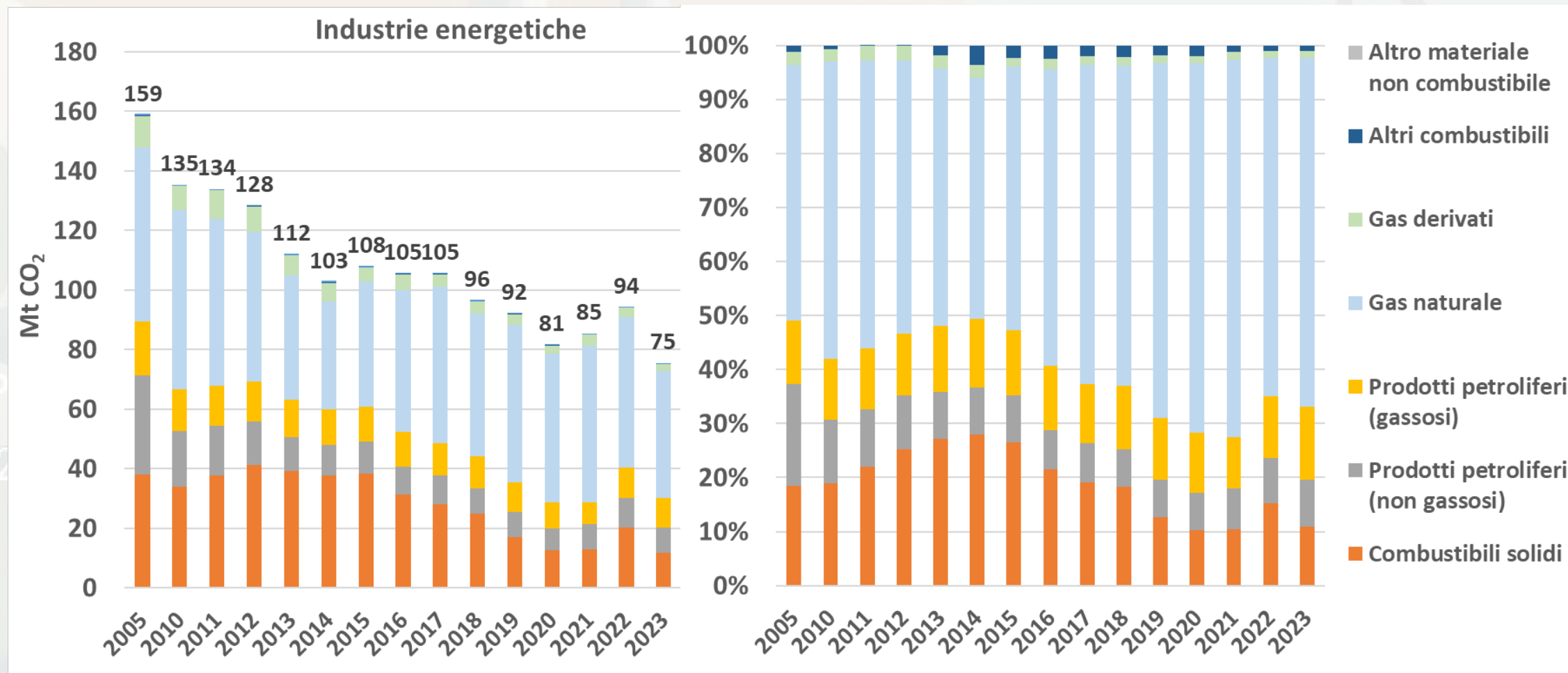
# Emissioni da ETS (Emissions Trading Scheme)

Le emissioni da ETS rappresentano nel 2022 il 33% delle emissioni nazionali (52% delle emissioni industriali e 98% delle emissioni da industrie energetiche).

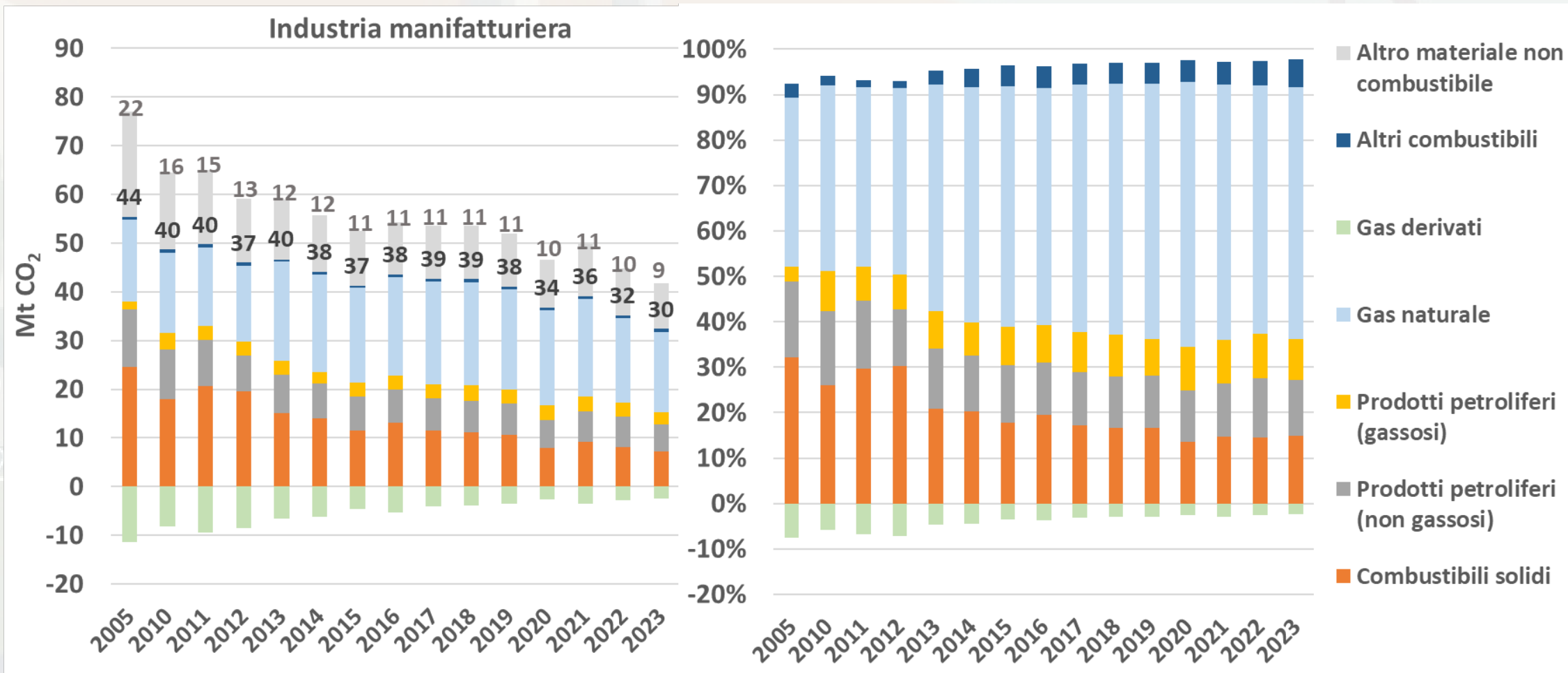
	Total emissions (CO <sub>2</sub> -eq)		
	Greenhouse gas inventory emissions [kt CO <sub>2</sub> eq] <sup>(3)</sup>	Verified emissions under Directive 2003/87/EC [kt CO <sub>2</sub> eq] (3)	Ratio in % (Verified emissions/inventory emissions) <sup>(3)</sup>
<b>Greenhouse gas emissions</b>	<b>409,828</b>	136,288	<b>33.3%</b>
	CO <sub>2</sub> emissions		
	Greenhouse gas inventory emissions [kt] <sup>(3)</sup>	Verified emissions under Directive 2003/87/EC [kt] (3)	Ratio in % (Verified emissions/inventory emissions) <sup>(3)</sup>
<b>1.A Fuel combustion activities, total</b>	325,611		
<b>1.A Fuel combustion activities, stationary combustion</b>	325,100	122,181	<b>37.6%</b>
<b>1.A.1 Energy industries</b>	94,410	92,828	<b>98.3%</b>
1.A.1.a Public electricity and heat production	71,388	69,806	97.8%
1.A.1.b Petroleum refining	19,035	19,035	100.0%
1.A.1.c Manufacture of solid fuels and other energy industries	3,986	3,986	100.0%
Iron and steel (for GHG inventory combined CRT categories 1.A.2.a + 2.C.1 + 1.A.1.c and other relevant)	14,136	12,517	88.5%
<b>1.A.2 Manufacturing industries and construction</b>	53,701	28,038	<b>52.2%</b>
1.A.2.a Iron and steel	8,758	7,139	81.5%
1.A.2.b Non-ferrous metals	1,133	457	40.3%
1.A.2.c Chemicals	10,080	4,624	45.9%
1.A.2.d Pulp, paper and print	4,535	3,499	77.1%
1.A.2.e Food processing, beverages and tobacco	3,377	1,645	48.7%
1.A.2.f Non-metallic minerals	11,389	8,850	77.7%
1.A.2.g Other	14,428	1,824	12.6%

# Emissioni da ETS (Emissions Trading Scheme)

Aumento sostenuto della quota di gas naturale e riduzione di solidi e petroliferi nel termoelettrico.

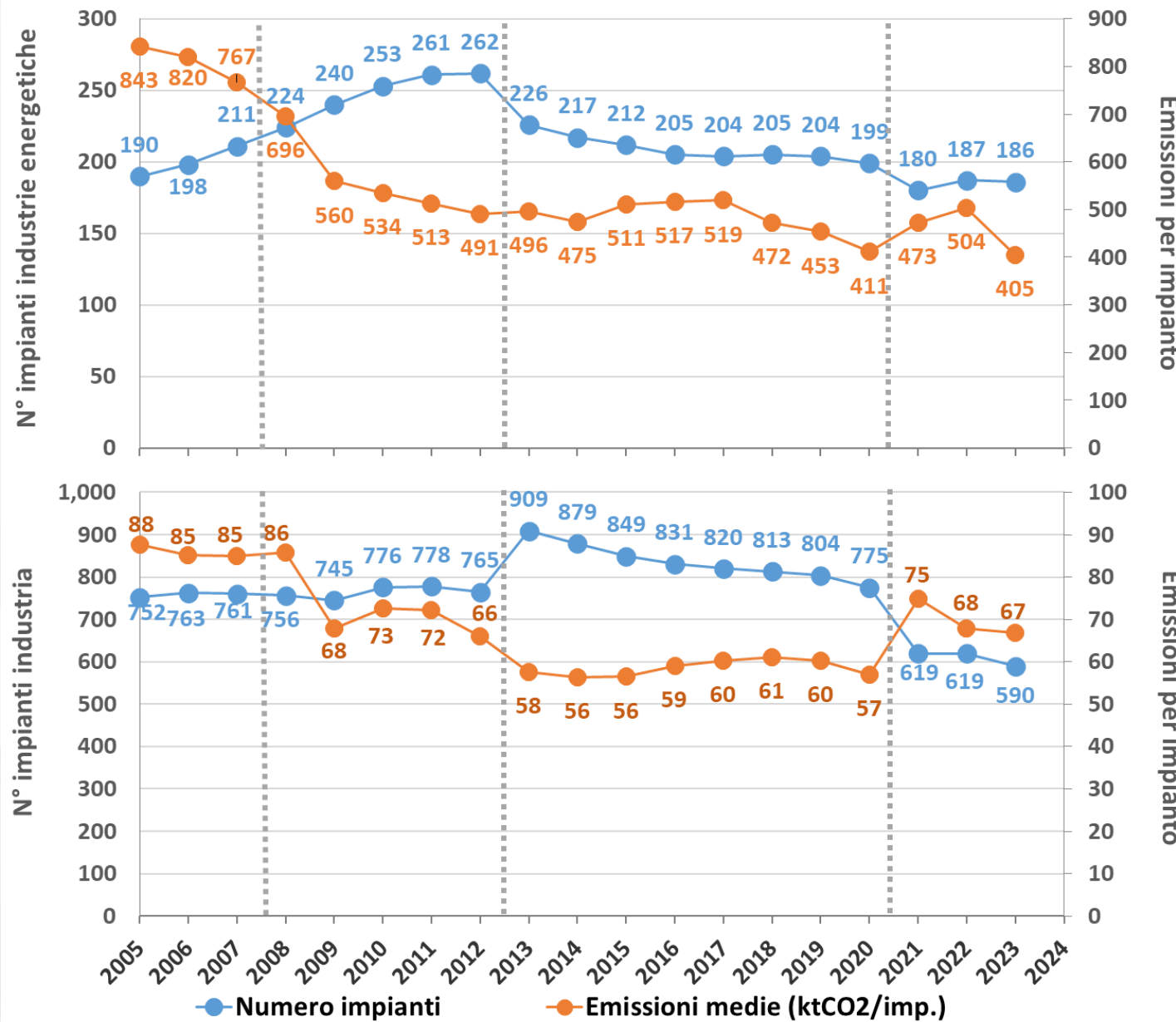


# Emissioni da ETS (Emissions Trading Scheme)

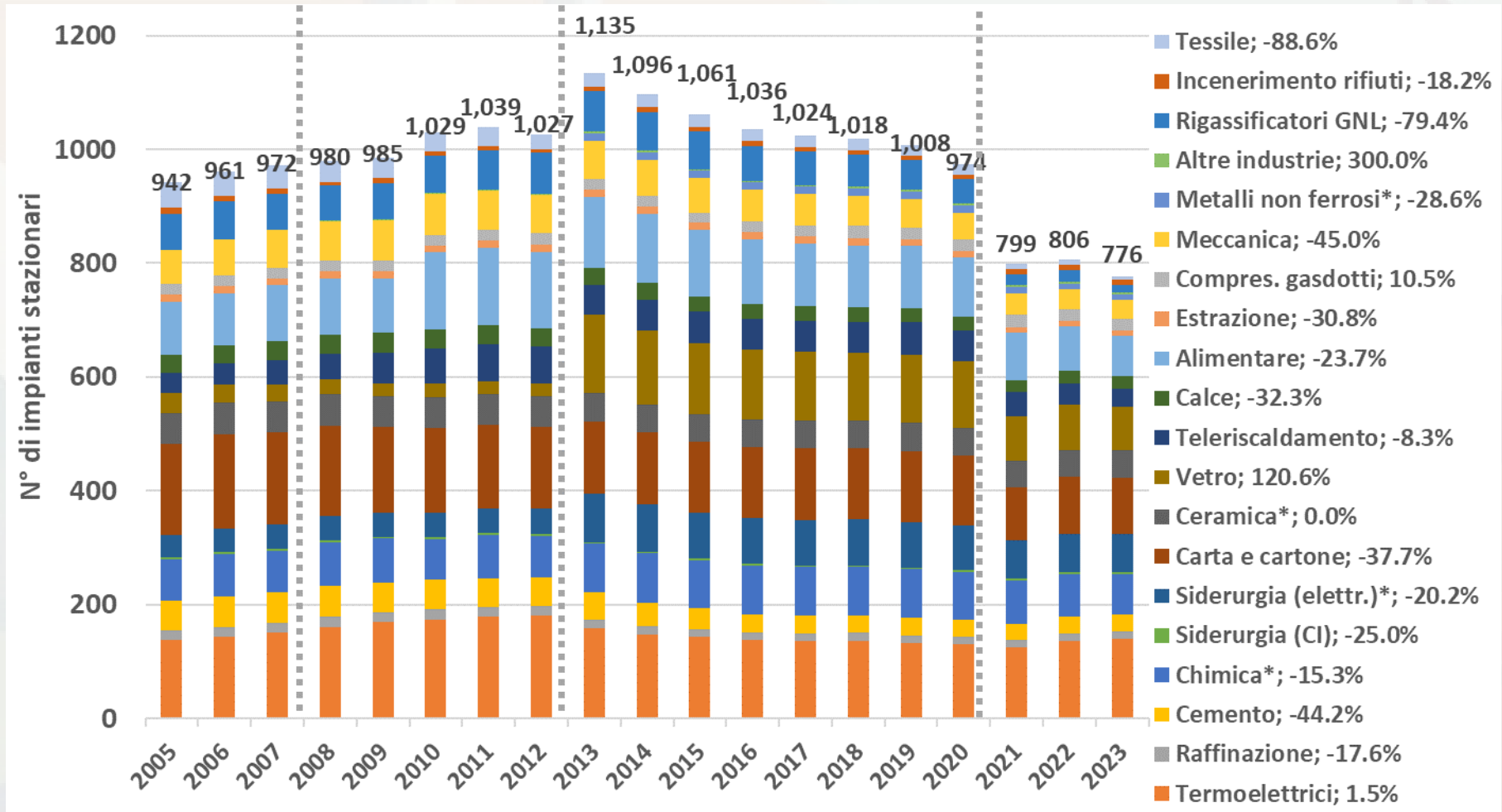


# ETS

Gli impianti industriali diminuiscono drasticamente dal 2021.

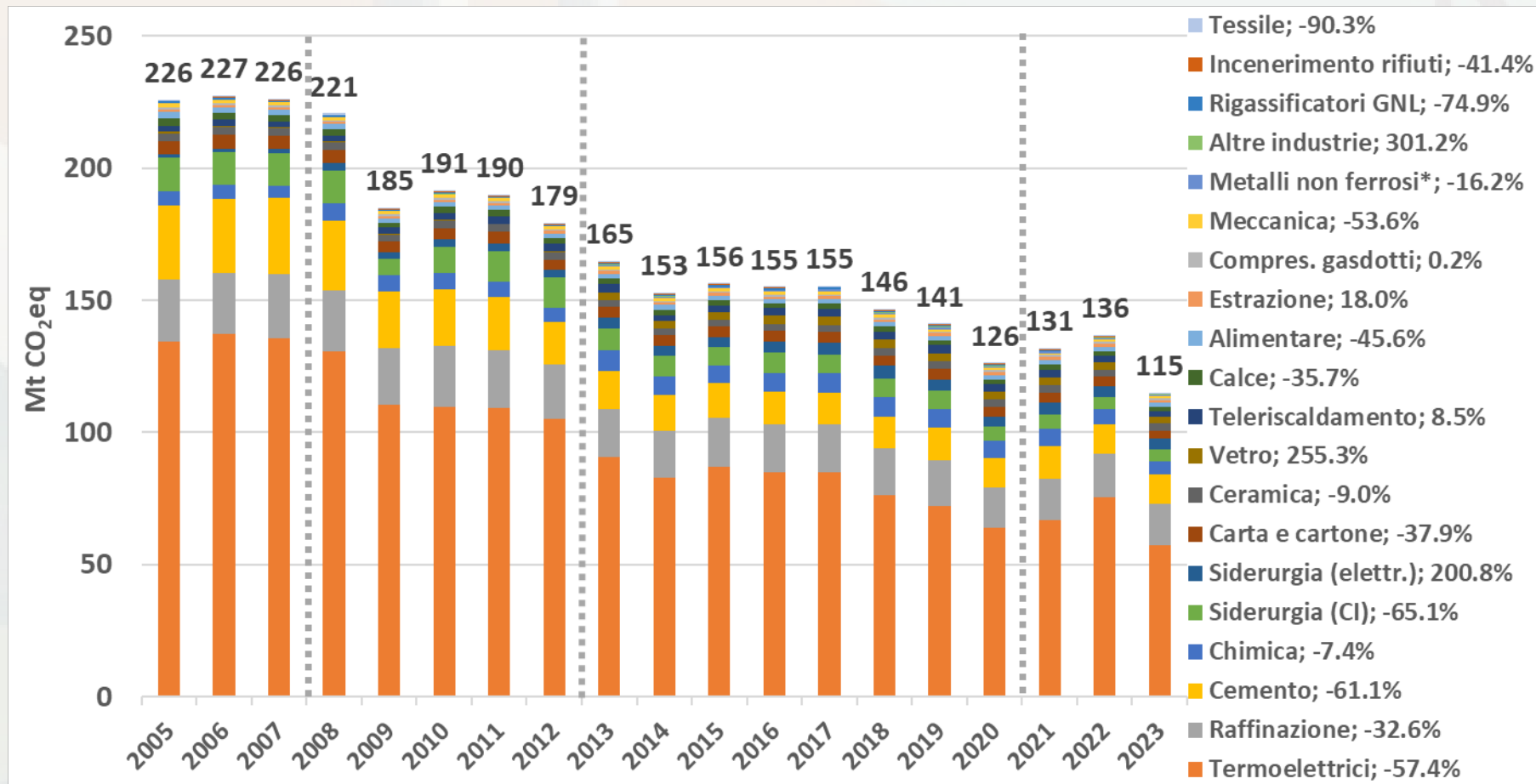


# ETS – numero di impianti



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# ETS - emissioni



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# Risultati

- Mantenuto coerenza tra BEN e inventario delle emissioni;
- ETS 98% emissioni industrie energetiche, 52% emissioni industriali;

## ... e obiettivi

- Attuale discontinuità 2021-2022 → ricostruzione serie storica;
- Mettere a sistema in maniera programmatica in base alle scadenze.

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# Grazie per l'attenzione

Ernesto Taurino [ernesto.taurino@isprambiente.it](mailto:ernesto.taurino@isprambiente.it)

[www.isprambiente.gov.it/it](http://www.isprambiente.gov.it/it)