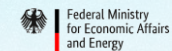


Supported by:



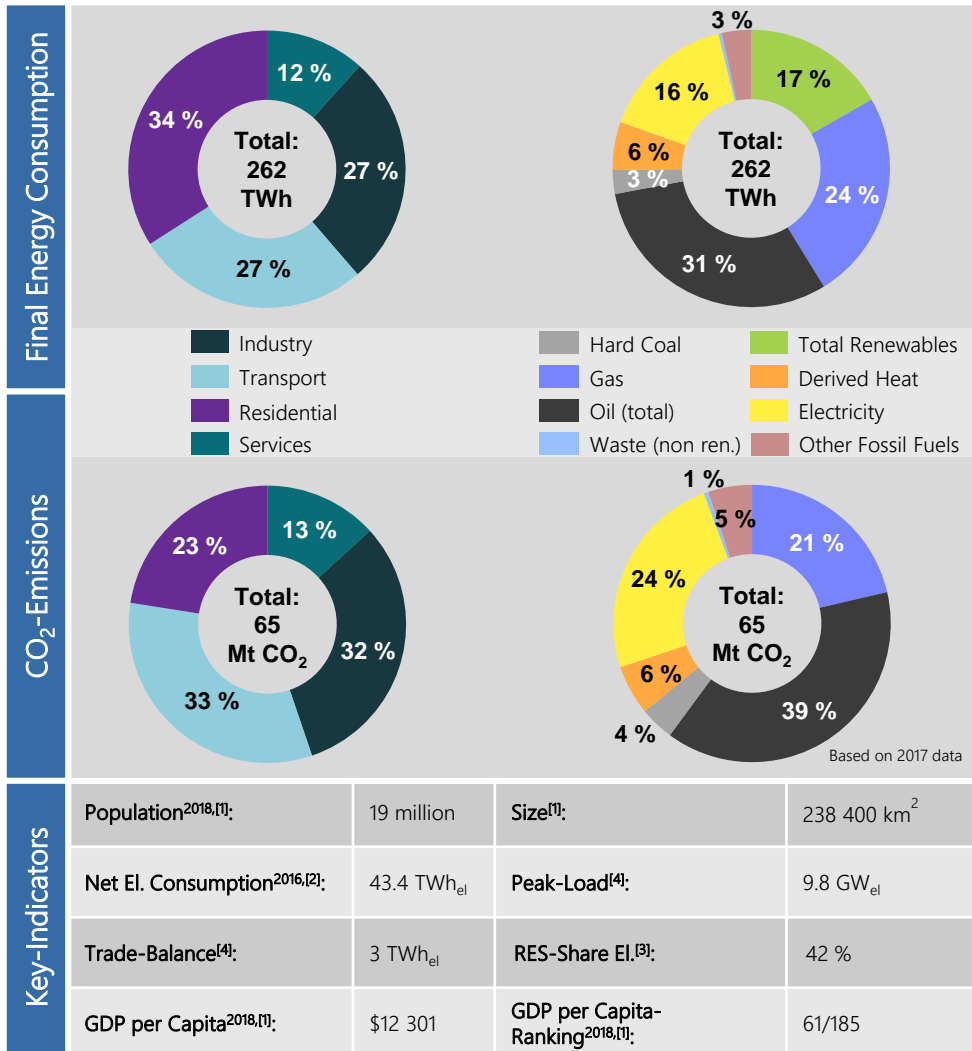
on the basis of a decision by the German Bundestag



Energy Country Profile Romania

2020

Romania at a Glance

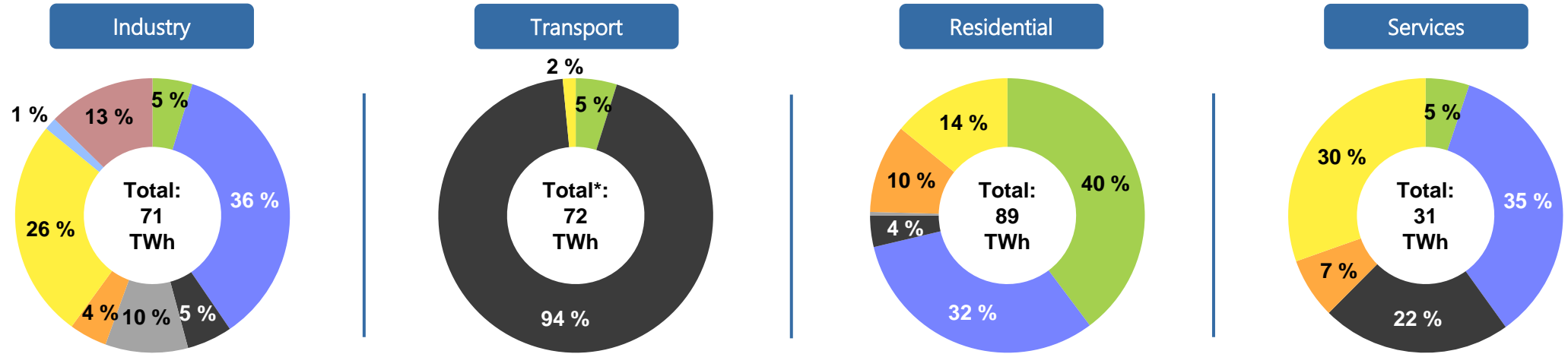


Romania's Electricity Sector

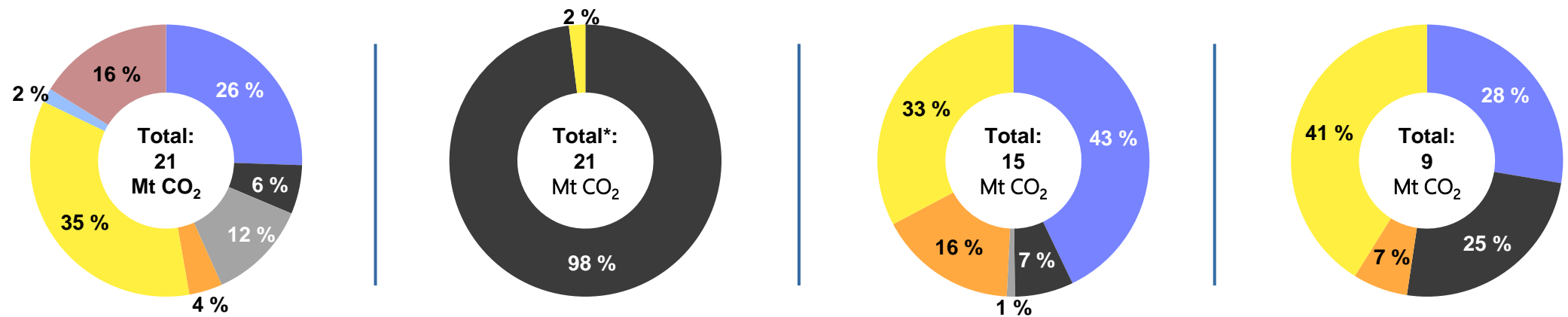


Romania's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017

Final Energy Consumption



CO₂ - Emissions

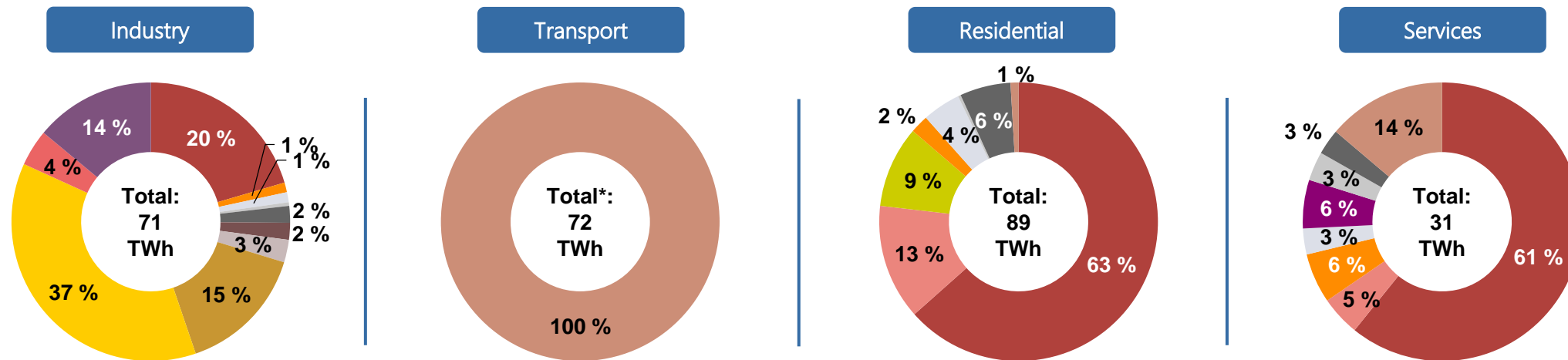


Hard Coal
 Oil (total)
 Gas
 Total Renewables
 Waste (non. ren.)
 Derived Heat
 Electricity
 Other Fossil Fuels

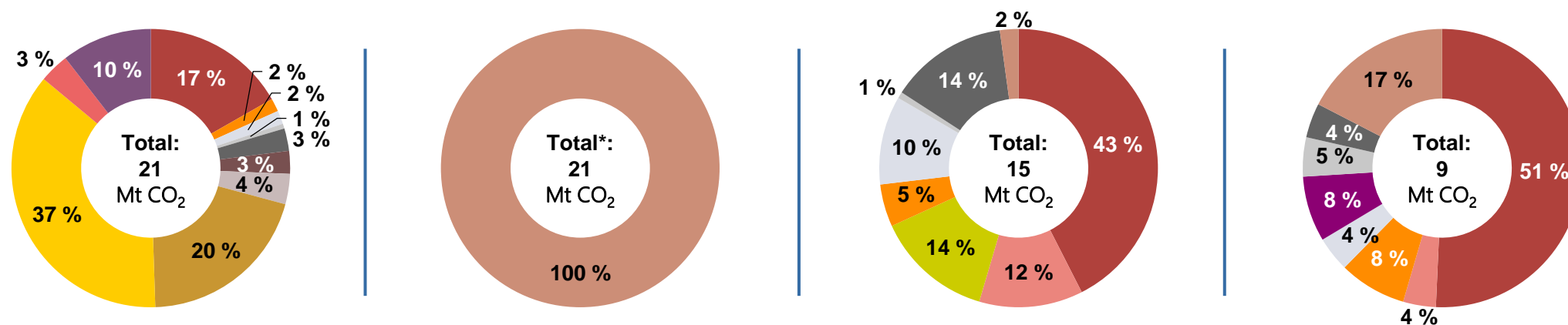
*excluding international aviation

Romania's Energy Consumption & Emissions by Application & Sector - 2017

Final Energy Consumption



CO₂ - Emissions



- Space Heating
- Process Heat 100 - 500 °C
- Process Heating < 100 °C
- Other Process Cold
- ICT
- Process Heating
- Cooking
- Pumps
- Warm Water
- Process Heat > 500 °C
- Other Mechanical Energy
- Mechanical Energy
- Lighting
- Compressed Air
- Climate Cold

*excluding international aviation

Romania: Sources

Institutions		
Ministry of Energy		http://energie.gov.ro/
TSO	Transelectrica	http://www.transelectrica.ro/en/web/tel/home
Regulator	Romanian Energy Regulatory Authority (ANRE)	https://www.anre.ro/en/
Sources	Main Studies	
<p>[1] World Development Indicators, The World Bank https://data.worldbank.org/</p> <p>[2] Eurostat Database, http://ec.europa.eu/eurostat/de/data/database</p> <p>[3] Eurostat, https://ec.europa.eu/eurostat/de/web/energy/data/shares</p> <p>[4] ENTSO-E Transparency Platform, https://transparency.entsoe.eu/</p> <p>[5] European Environment Agency https://www.eea.europa.eu/publications/trends-and-projections-in-europe-2018-climate-and-energy</p> <p>[6] Eurostat, http://ec.europa.eu/eurostat/statistics-explained/images/b/b7/Table_2-Share_of_energy_from_renewable_sources_in_gross_final_consumption_of_energy_2004-2016.png</p> <p>[7] OPCOM S.A., https://www.opcom.ro/opcom/uploads/doc/rapoarte/Anual/RS_2018_EN.pdf</p> <p>[8] World Nuclear Association, http://world-nuclear-news.org/Articles/CGN-agrees-to-invest-in-completion-of-Romanian-rea</p> <p>[9] Umweltschutzorganisation GLOBAL 2000/Friends of the Earth Austria, https://www.global2000.at/atomkraft-rum%C3%A4nien</p> <p>[10] Industry Media Vector, https://energyindustryreview.com/power/accelerated-negotiations-for-building-a-new-energy-group-at-rovinari-power-plant/</p> <p>[11] Thomson Reuters, https://www.reuters.com/article/us-romania-energy-blacksea/romania-parliament-clears-legal-framework-for-black-sea-offshore-gas-idUSKCN1MY257</p> <p>[12] CEE Bankwatch Network, https://bankwatch.org/beyond-coal/the-energy-sector-in-romania</p> <p>[13] Thomson Reuters, https://www.reuters.com/article/us-romania-energy-offshore-analysis/romaniyas-black-sea-gas-projects-hanging-by-a-thread-idUSKCN1RD2HS</p> <p>[14] Narodowy Bank Polski, https://financialobserver.eu/cse-and-cis/romanian-gas-problems/</p> <p>[15] European Commission, https://ec.europa.eu/commission/sites/beta-political/files/energy-union-factsheet-romania_en.pdf</p> <p>[16] European Commission, https://ec.europa.eu/commission/news/investment-plan-europe-eib-supports-extension-romania-natural-gas-transmission-infrastructure-2018-dec-17_en</p> <p>[17] S.C. AGRI LNG Project Company SRL, http://www.agriling.com/Home/EUProjectOfCommonInterest</p> <p>[18] RES Legal, http://www.res-legal.eu/search-by-country/romania/single/s/res-e/t/promotion/aid/subsidy-financing-pv-installations/lastp/183/</p> <p>[19] SeeNews EOOD, https://renewablesnow.com/news/romania-a-second-chance-for-the-renewables-sector-650293/</p> <p>[20] National Flag, https://www.nationalflaggen.de</p> <p>[21] S&P Global, https://www.spglobal.com/platts/en/products-services/electric-power/world-electric-power-plants-database</p> <p>[22] International Renewable Energy Agency, https://www.irena.org/statistics</p> <p>[23] European Union, https://eur-lex.europa.eu/legal-content/DE/TXT/PDF/?uri=CELEX:32018R0842</p> <p>[24] Own Calculation, www.ffe.de/xos/laendersteckbriefe/methodik</p>		
	Abbreviations	
RES	Renewable Energy Source	
EFR	Effort Sharing Regulation	
PEC	Primary Energy Consumption	
GHG	Greenhouse Gases	
ESD	Effort Sharing Decision	
EU ETS	European Union Emissions Trading System	
EL	Electricity	
EU	European Union	
TSO	Transmission System Operator	