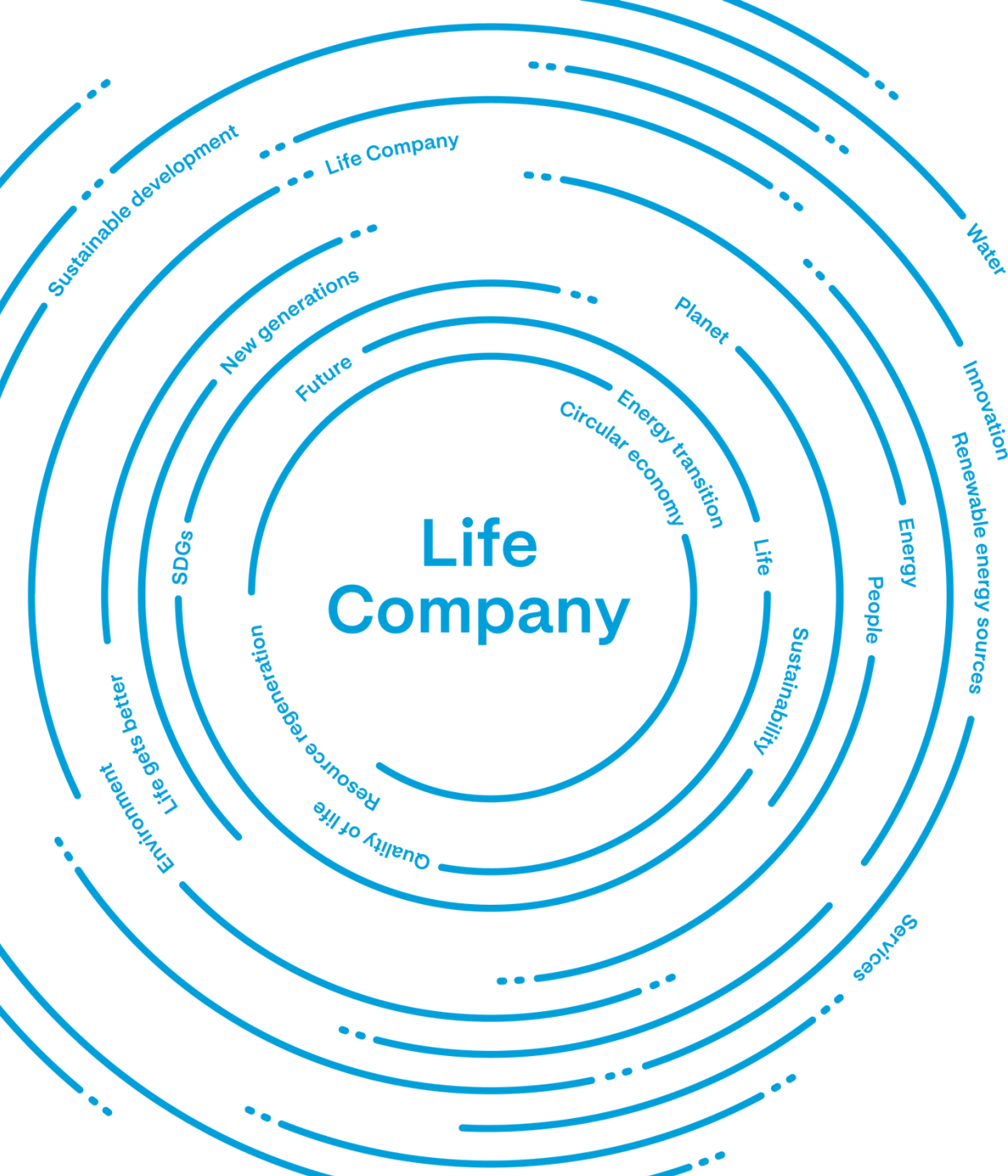




A2A Waste Business Unit

October 2nd, 2023

WASTE BUSINESS UNIT | OVERVIEW

KEY FIGURES

Employees	6,000+
Waste managed	5.2 Mt
Energy from waste	2.1 TWh _e , 1.5 TWh _t
People served (waste management and street cleansing services)	4.0 M
Revenues 2022	1.4 B€
EBITDA 2022	0.4 B€
Investments 2022	0.3 B€

MARKET POSITIONING



ENVIRONMENTAL
SECTOR



COLLECTION
SERVICES



MATERIALS & ENERGY
RECOVERY



COMMERCIAL &
HAZARDOUS WASTE

NATIONAL PRESENCE

Italian market Leader in material and energy recovery
through waste valorization
Main plants

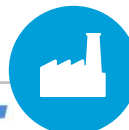


- 13 Material Recovery Plants
- 10 Waste-to-energy plants
- 10 MBT and SRF production plants
- 5 Multifunctional platforms
- 6 Organic waste treatment plants
- 2 Landfills
- 24 Biomass and bioenergy plants

WASTE BUSINESS UNIT | A2A COMPANIES OF ENVIRONMENTAL SECTOR



Plants



Collection



ASSET | OVERVIEW



WTE Plants

Energy & Heat from waste

Milano (MI), Como (CO), Bergamo (BG), Brescia (BS), Acerra (NA), Corteolona (PV), Parona (PV), Cremona (CR)



Organic fraction plants

From bio-waste to compost & biomethane

Novate M.se (MI), Lacchiarella (MI), Cavaglià (BI), Bedizzole, Castelleone (CR), Corteolona (PV), Corteolona (PV)



Industrial waste Plants

Inertization and WtE of industrial & hazardous waste

Sed, Electrometal, Giussago, Codignole, Crema, Filago (BG), Crotone (CR)



MBT Plants

From residual waste to secondary recovered fuel (SRF)

Lacchiarella (MI), Cavaglià (BI), Bergamo (BG), Villafalletto, Caivano (NA), Cedrasco (SO), Cavaglià (BI), Giussago (PV), Corteolona (PV), STIR Caivano (NA)



Sorting & Material recovery plants

From sorted waste to secondary raw material

Buccinasco (MI), Novate Milanese (MI), Cernusco S.N. (MI), Liscate (MI), Castenedolo (BS), Fombio (PV), Coccaglio (BS), Milano (Mi), Cavaglià (BI), Asti (AT), Milano (Mi), Brescia (BS), Bollate (MI)

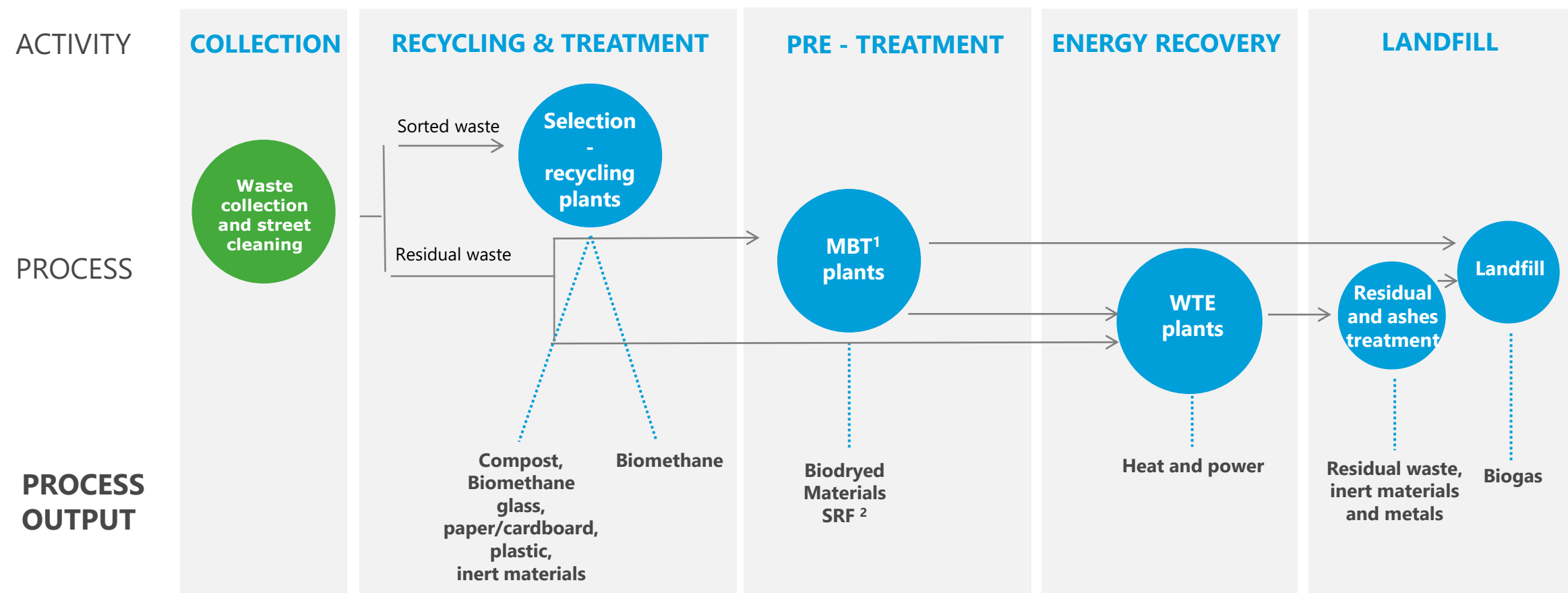


Bioenergy Plants

Inertization and WtE of industrial & hazardous waste

Agripower

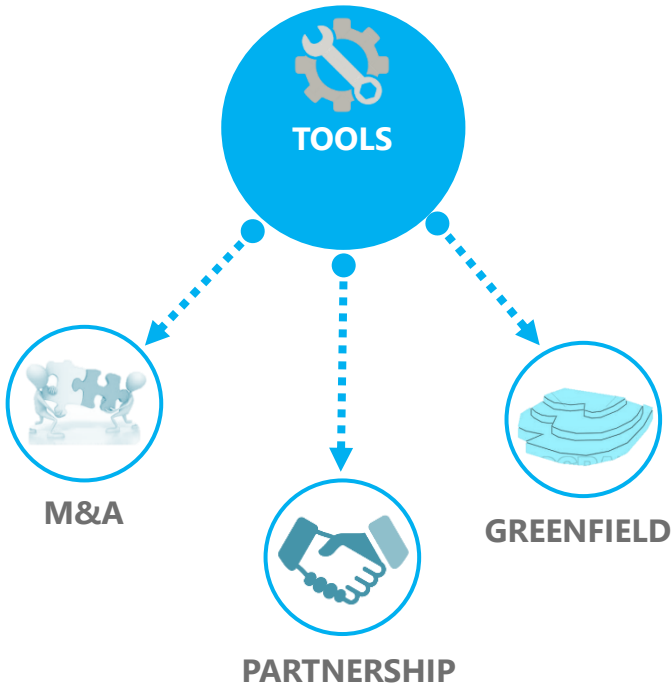
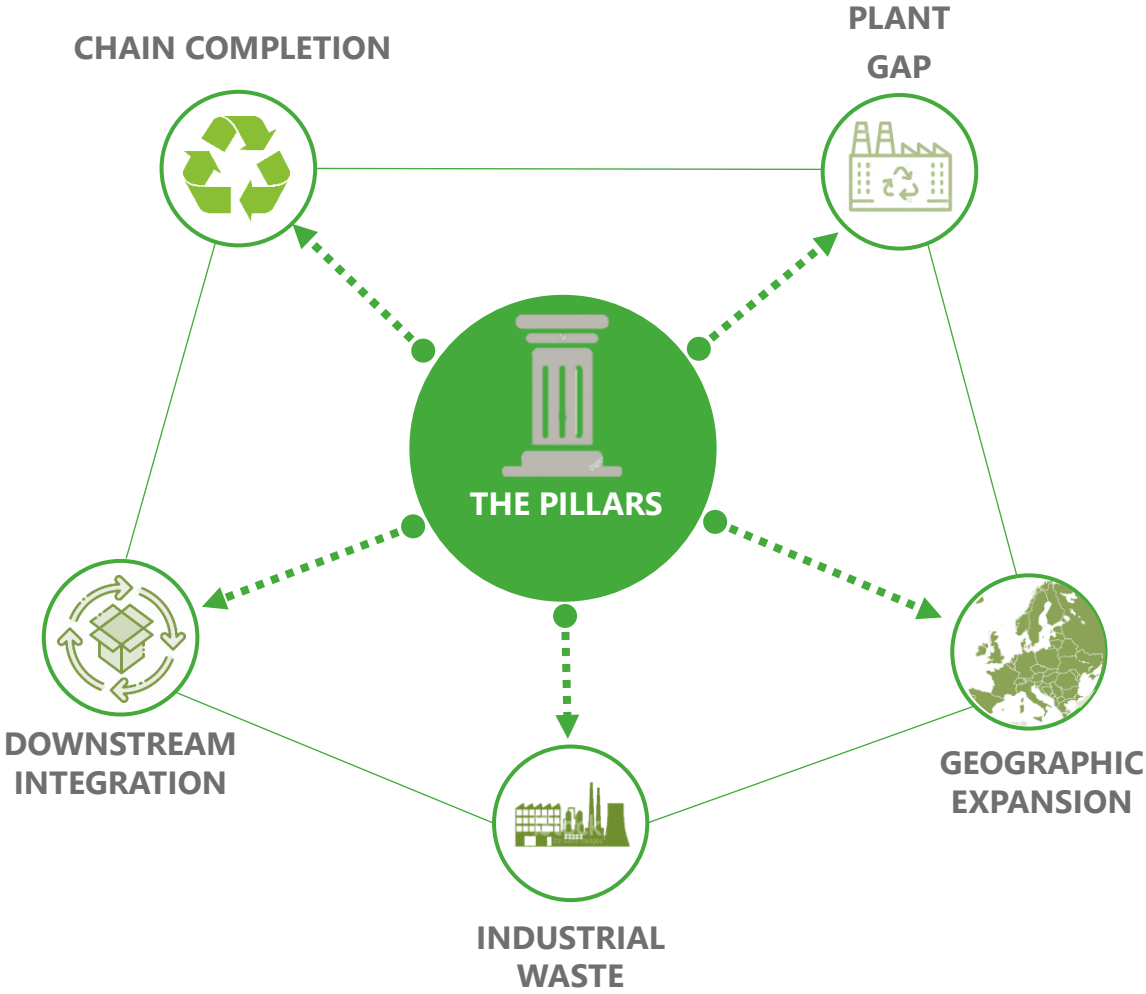
WASTE BUSINESS UNIT | BUSINESS MODEL



Waste BU operates along the whole waste management value chain, including engineering and R&D

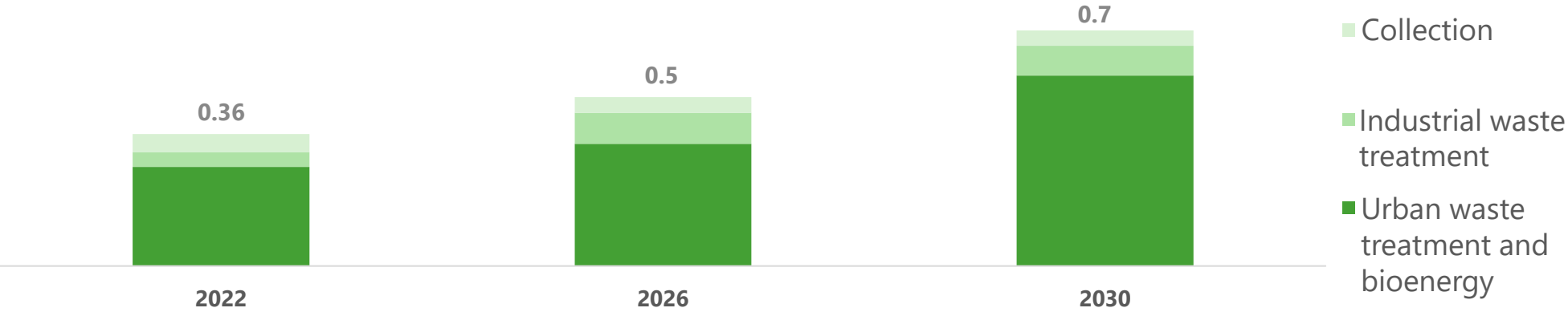
(1) Mechanical Biological Treatment (2) Solid Recovered Fuels

STRATEGIC PLAN 2021-2030 | CIRCULAR ECONOMY PILLAR

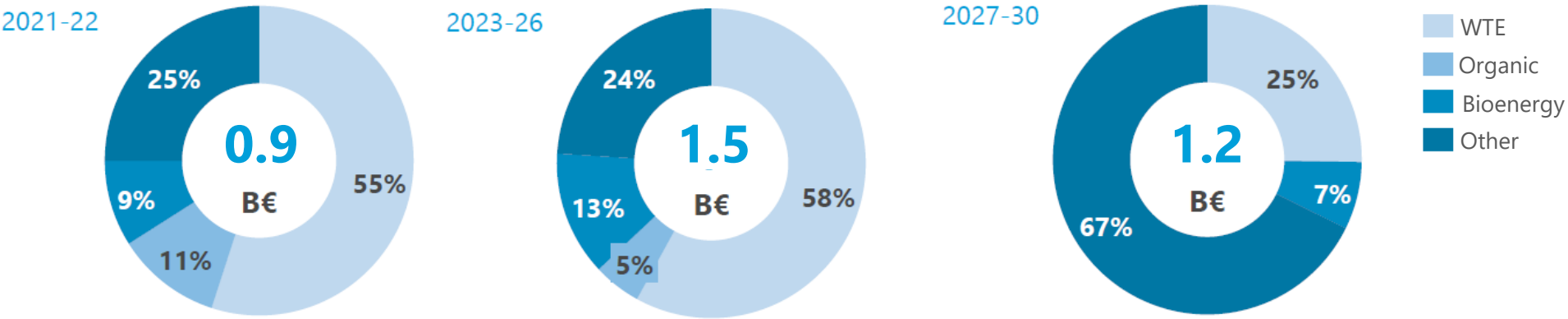


STRATEGIC PLAN 2021-2030 | WASTE BUSINESS UNIT KPI

EBITDA | B€



Cumulative CAPEX | B€

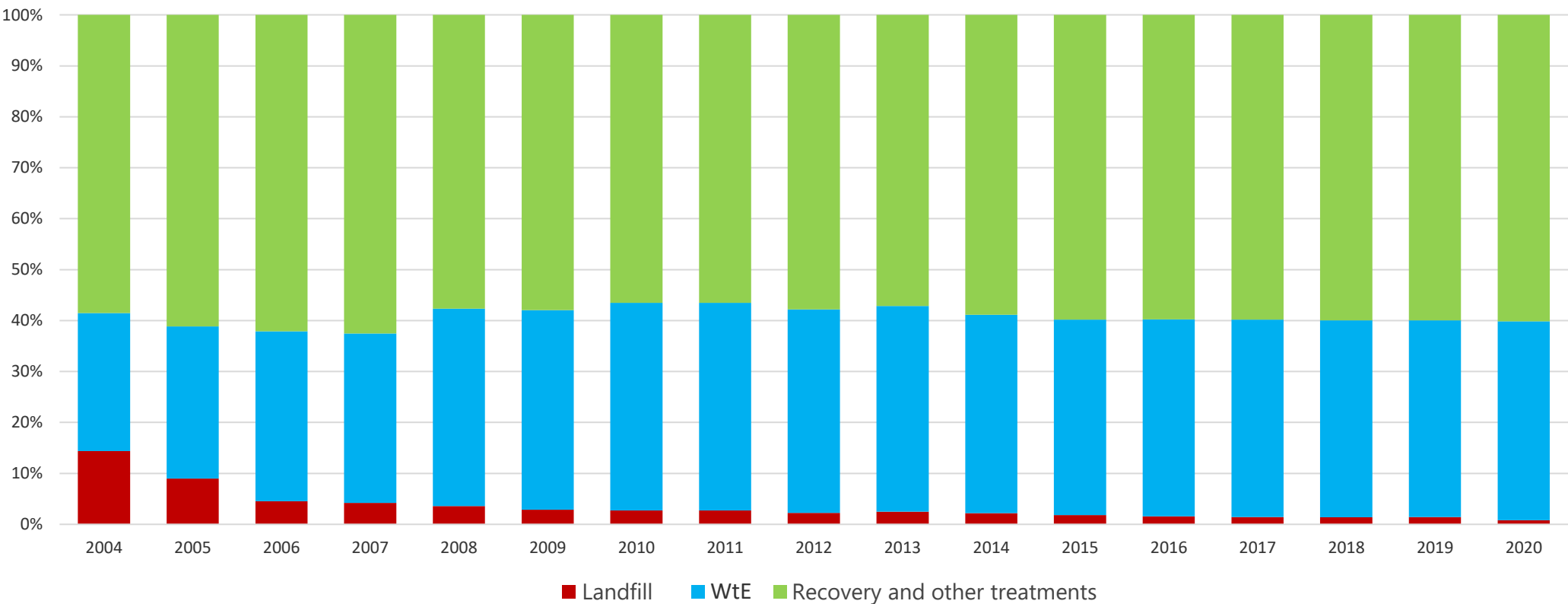




REFERENCE FRAMEWORK

REFERENCE FRAMEWORK | EU TOP 9 EVOLUTION

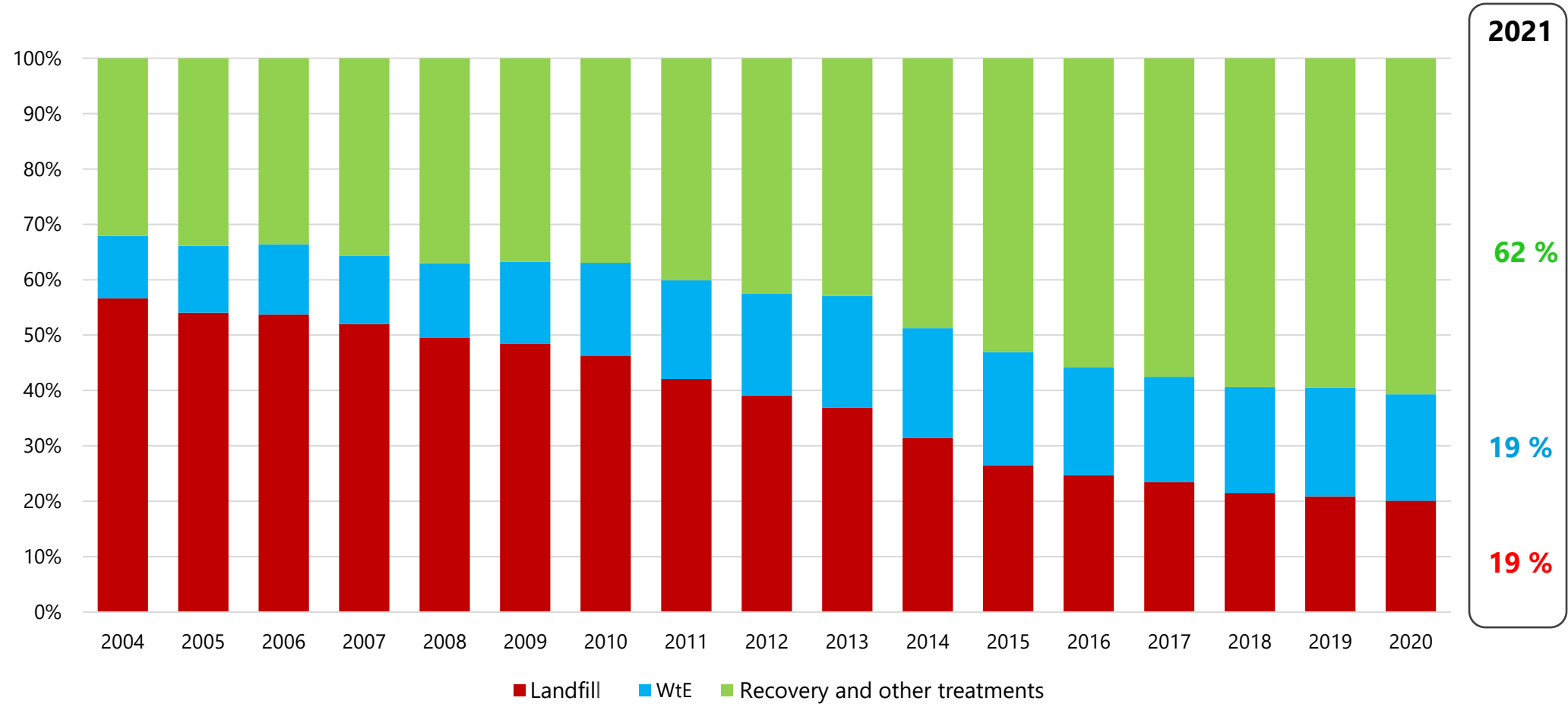
EU top 9: Switzerland, Germany, Sweden, Finland, Denmark, Belgium, Netherland, Austria, Norway



The reduction of waste quantity sent to landfill, to the point of almost eliminating it, was achieved through a synergistic and simultaneous increase in both the percentage of material recovery and energy recovery

Source Eurostat, 2020

REFERENCE FRAMEWORK | ITALY EVOLUTION

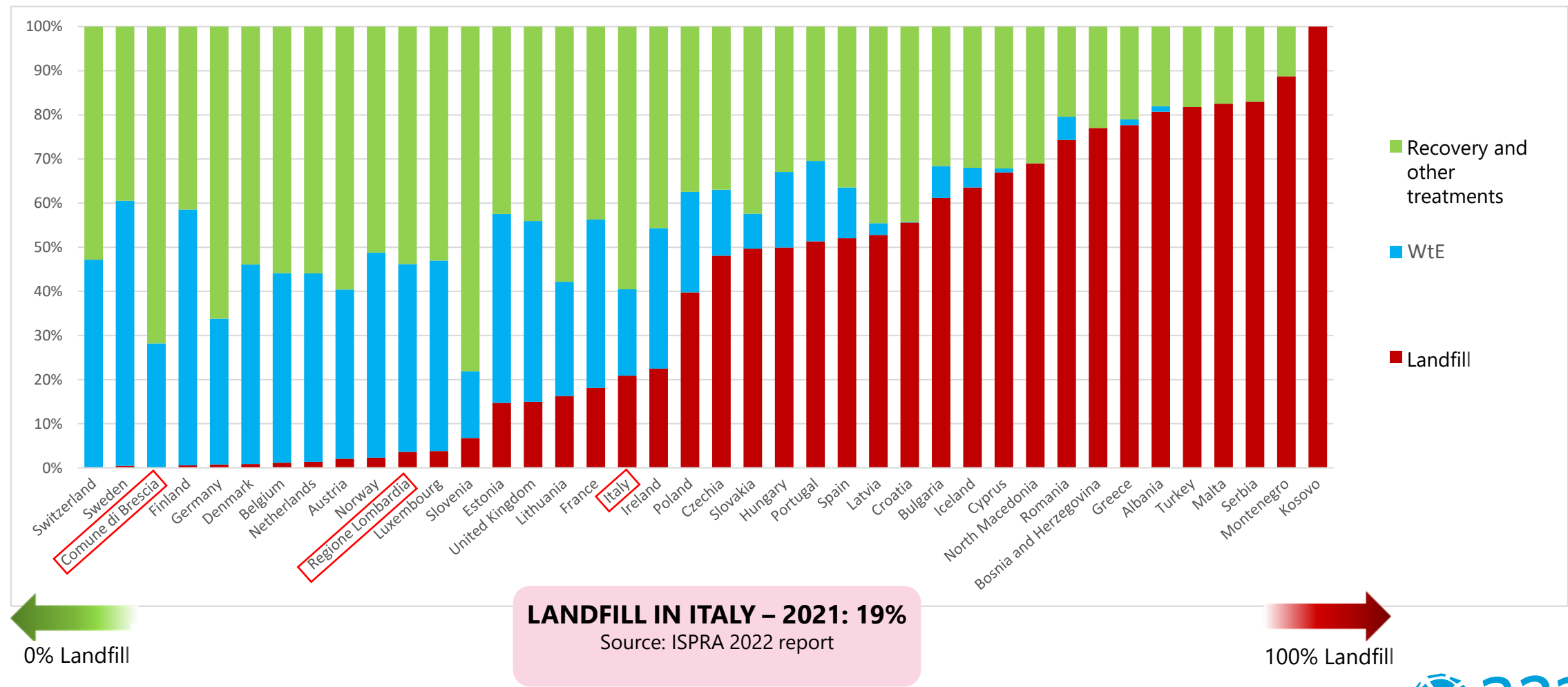


Source Eurostat, 2020

REFERENCE FRAMEWORK | ITALY VS EU

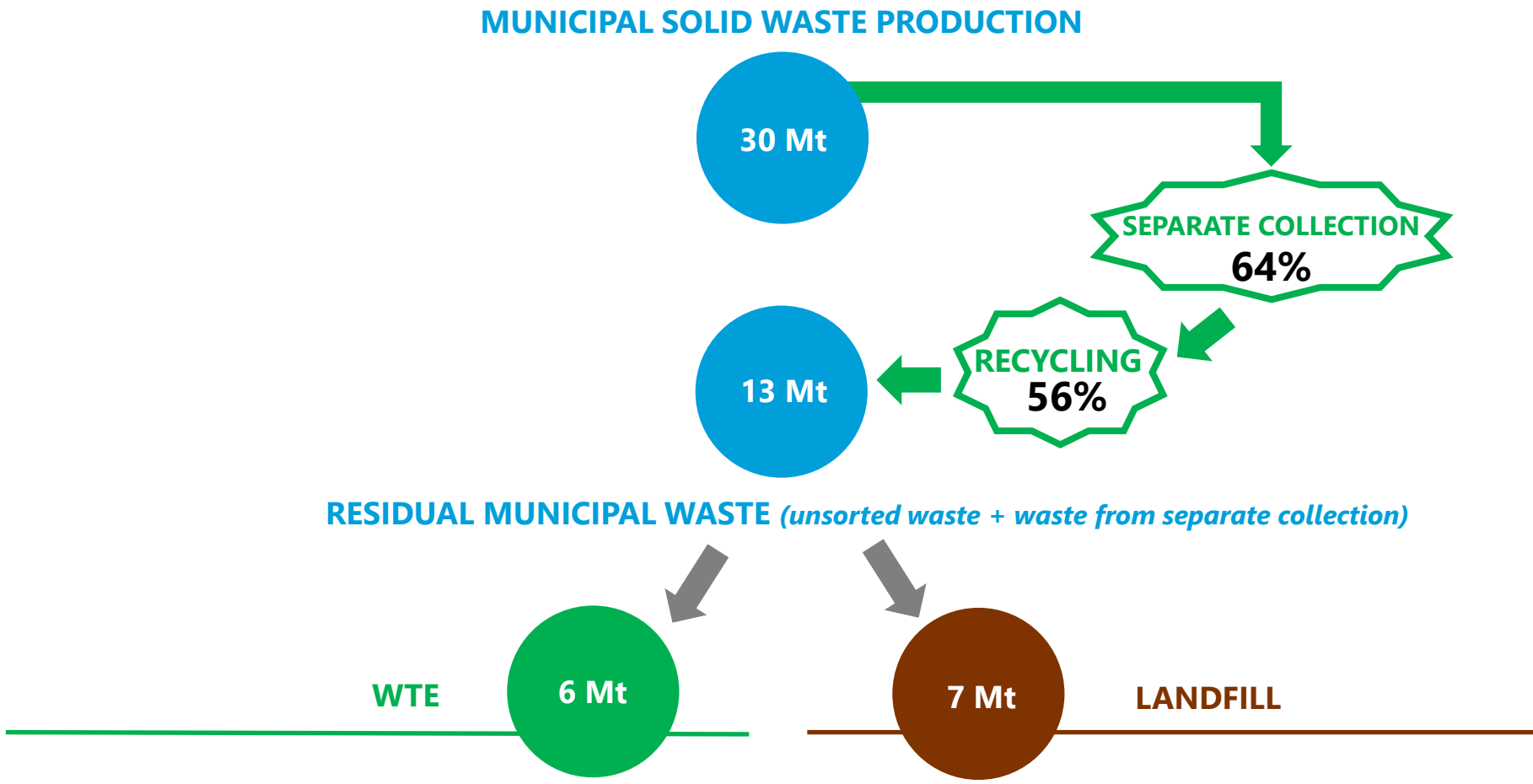
Best Performers have high energy recovery and recycling rates

Municipal Solid Waste management in Europe

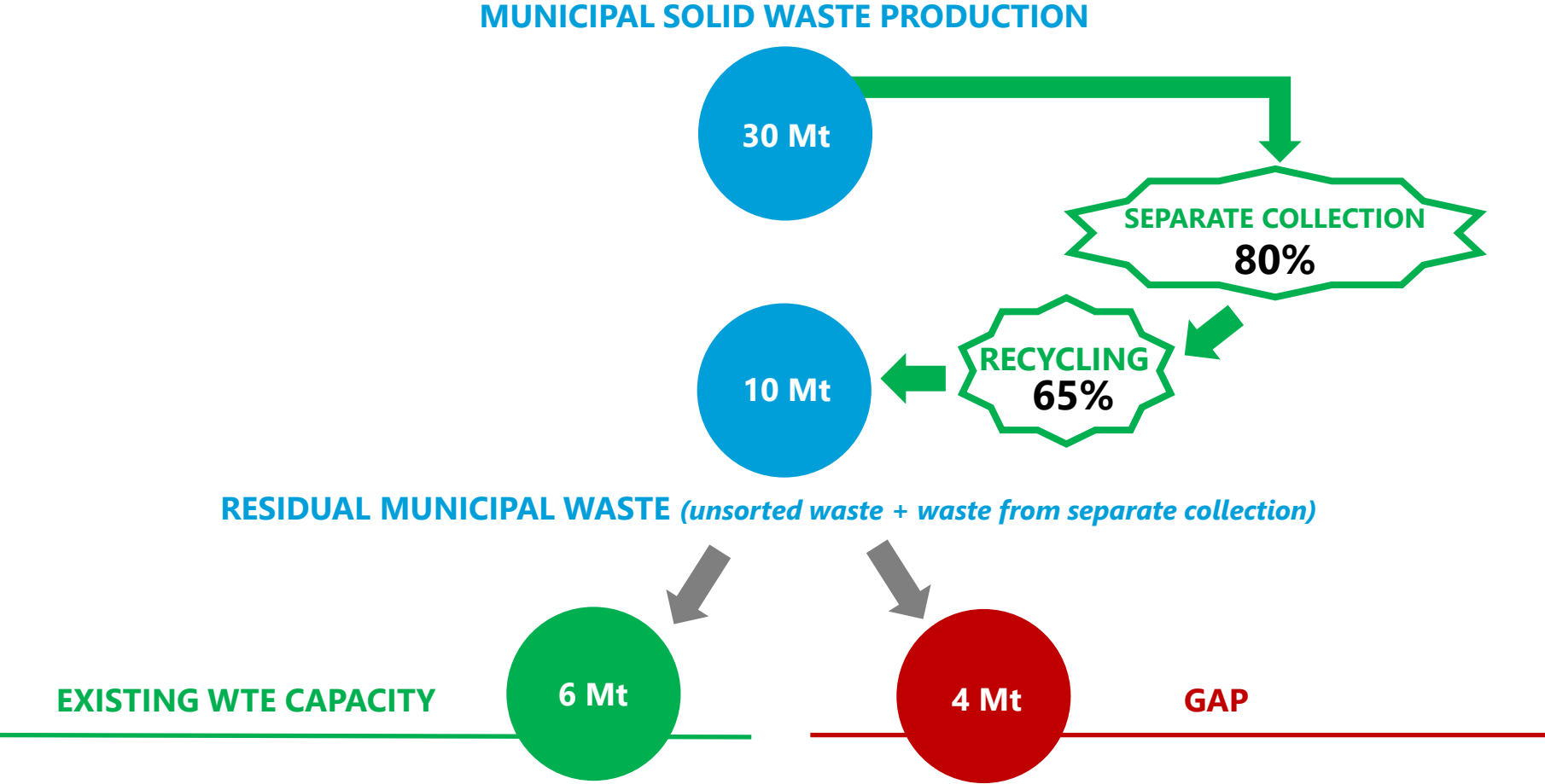


Source: Eurostat, 2020, ISPRA, ARPA
Ireland, UK, Bulgaria, Iceland, Bosnia and Herzegovina, Serbia, Montenegro, Kosovo, North Macedonia latest available data

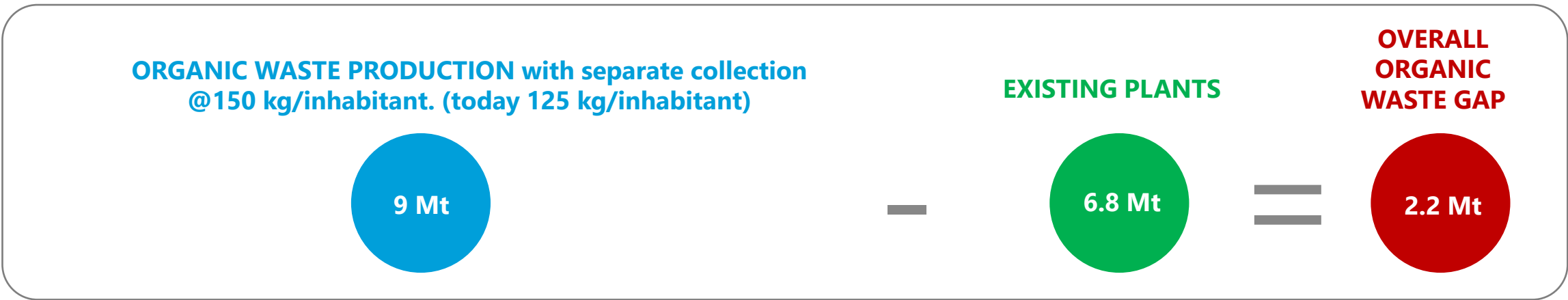
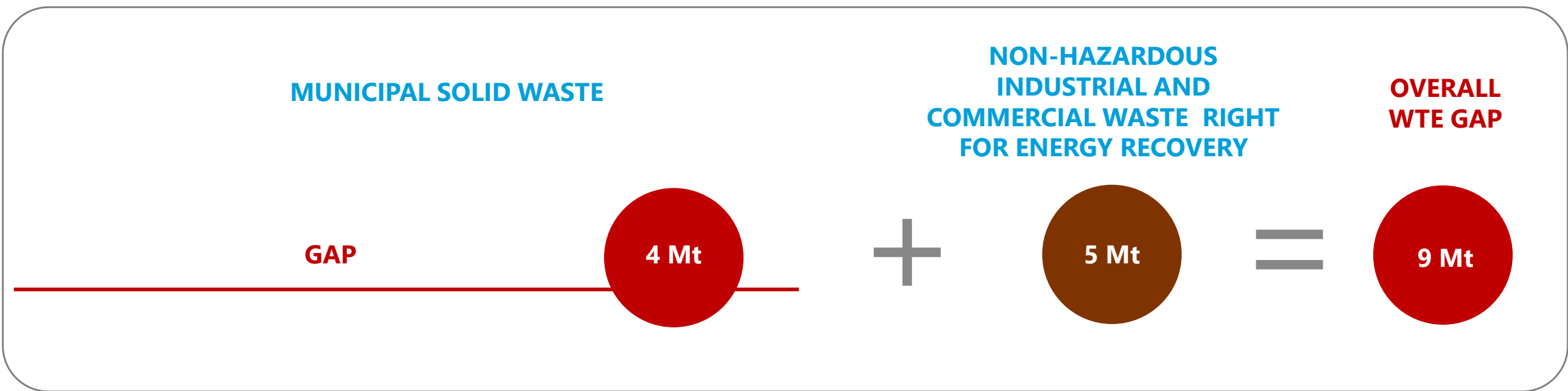
REFERENCE FRAMEWORK | ITALIAN SCENARIO TODAY



REFERENCE FRAMEWORK | ITALIAN SCENARIO EU 2035 RECOVERY @65%



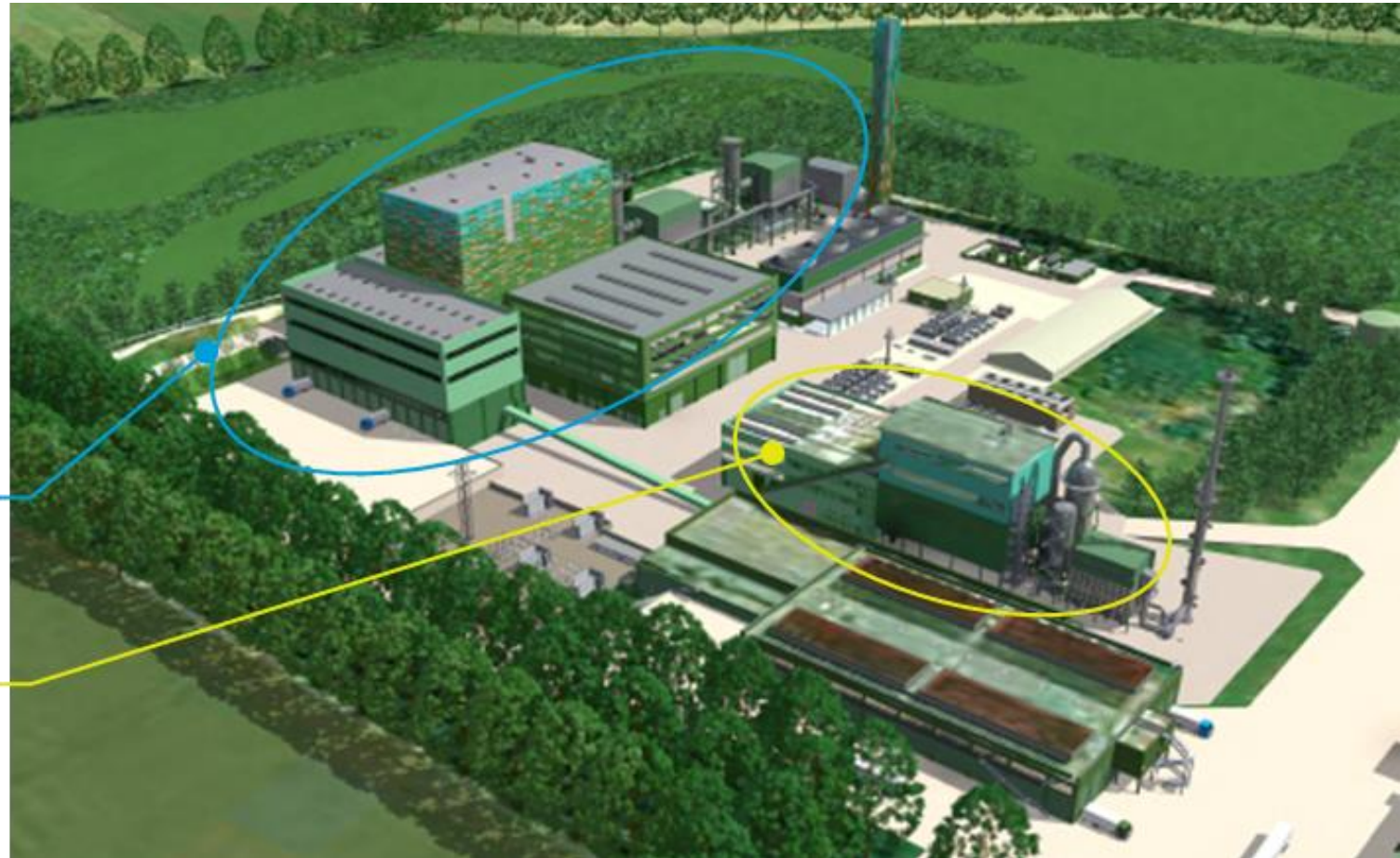
REFERENCE FRAMEWORK | WTE AND ORGANIC WASTE GAP



NEW PROJECTS | WTE CORTEOLONA

NEW PLANT

EXISTING PLANT



NEW PROJECTS | WTE CAVAGLIA'



NEW PROJECTS | WTE GUALDO TADINO



- 1** RIVESTIMENTO VERTICALE -
Rivestimento con pannelli
alveolari in policarbonato
riciclato post consumo
- 2** RIVESTIMENTO VERTICALE -
Pannelli sandwich in tonalità di
verde differenti
- 3** SCHERMATURA -
Rivestimento in lamelle verticali in
alluminio anodizzato,
materiale 100% riciclabile
- 4** DESIGN BIOFILICO -
Verde in facciata che aumenta la
percezione di benessere negli
spazi interni.

NEW PROJECTS | WTE TARQUINIA



NEW PROJECTS | WTE GIOIA TAURO



NEW PROJECTS | WTE CATANIA

