

AXIS	CATEGORY
Circular Economy	Anaerobic Digestion of Bio-waste and/or Sewage Sludge
Short Description	
New and revamping of the Anaerobic digestion facilities	

9. Biomethane production from purification plants



Acea Ato 2 foresees upgrading interventions in the anaerobic digestion compartments for the two biggest purifiers in Rome (North and East), functional to the transformation of locally produced biogas into biomethane. The intervention's objective is to isolate all the methane contained into the biogas, controlling its quality and quantity, and optimising its usage.

While today biogas is meant for the production of heat for digesters, the resulting biomethane from the refining process will be introduced to the gas network and intended for vehicles through certifications for the quantity produced and introduced into the pipes, providing environmental benefits linked to the reduction of transportation emissions.

PROJECT STATUS: ongoing

LOCATION: Latium, Italy

Green Bond Allocation

ALLOCATION				
TOTAL FINANCED AMOUNT (€ MILLION)	2019	2020	2021	2022
1.05	0.32	0.08	0.23	0.42

Environmental performance indicators

KPI	UoM	2020	2021	2022
% upgrading intervention advancement upgrading for North and East Rome	%	35	50	70
Biomethane introduced in the network	Sm ³			
Avoided emissions (*)	tCO ₂			

(*) The environmental improvement is attributable to consumers who will use biomethane as an alternative to traditional methane. The calculation will take as reference the conversion factor of natural gas (methane) published in the ISPRA document, Table of national parameters for the calculation of 2020 emissions (based on 2019 data, start year of the project).

NB: The environmental performance indicators will be available once the upgrading of the purifiers is complete.