INFORMATION SHEET N°	21	TARGET	7.3/9.1

OUTPUT			
Indicator	Electric charging stations		
Description	Number of publicly accessible electric vehicle charging stations based on their charging speed.		
Type	Statistics	**Source**	Strategy for localisation of the SDGs in the city of Madrid

Data source			
Madrid Nuevo Norte	Electric vehicle charging stations on public roads	**BIM**	YES
	Electric vehicle charging stations in facilities plots, developable plots and car parks	**BIM**	NO
	• Master framework for the development of urban development projects in the field of energy infrastructure. Electric vehicle recharging infrastructure		
Comparison	Number and location of publicly accessible electric-vehicle charging stations in Madrid		
	• Madrid 360 environmental sustainability strategy (https://www.madrid360.es/movilidad-sostenible/electromovilidad/)		

Calculation method

To define this indicator, the existing electric charging stations in the city of Madrid were taken into account, depending on their charging speed along with the electrical recharging stations planned in Madrid Nuevo Norte for 3 scenarios:

- Scenario 1 - Regulatory or reference: this is a minimum scenario that is not aligned with future expectations that are considered more realistic, in which the deployment of infrastructure complies strictly with current regulatory requirements.
- Scenario 2 - Intermediate electrification: this scenario would correspond to a level of electrification of the fleet of around 60%, halfway between the pessimistic scenario (28% in 2050) and the realistic one (86% in 2050) of the study described above.
- Scenario 3 - Optimistic or high degree of electrification: this scenario would correspond to a high degree of electrification of the car fleet similar to the optimistic scenario/upper level of the IDOM study (95% in 2050). For example, it is estimated that 100% of residential parking spaces will have a charging point

And for 3 charging speeds:

- Slow: 6-10h for an average vehicle, power 3.6-7.3 kW
- Fast: 2-3 h for an average vehicle, power 7.3-22 kW
- Rapid: Less than 1 h for an average vehicle, power 43-50 kW

The indicator will be updated with the actual data of Madrid Nuevo Norte once activity begins.

OUTCOME

Indicator	Unit	Source
Number of publicly accessible electric-vehicle charging stations	N	Strategy for localisation of the SDGs in the city of Madrid (https://www.madrid.es/portales/munimadrid/es/Inicio/El-Ayuntamiento/Cooperacion-y-Ciudadania-Global/Agenda-2030/Estrategia-de-localizacion-de-los-ODS-en-la-ciudad-de-Madrid/?vgnextfmt=default&vgnextoid=b7b75cd724a38710VgnVCM1000001d4a900aRCRD&vgnextchannel=5347a62071048710VgnVCM1000001d4a900aRCRD)
Percentage of clean vehicles	%	