

INFORMATION SHEET N°	42	TARGET	12.8
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OUTPUT

Indicator	Accessibility of urban vegetable gardens		
Description	Proportion of the population less than a 5-minute walk (400 m along the street route) from an urban vegetable garden. The presence of community urban green gardens brings the consumer closer to the source of the food, reducing food waste (post-harvest loss in transport and storage, which account for 6-12% of food waste) and the production of packaging waste derived from the marketing chain.		
Type	GIS	Source	Based on the 5-minute city principle (UMF, JRC) and the "Number of urban green gardens" indicator of the Strategy for localisation of the SDGs in the city of Madrid

Data source

Madrid Nuevo Norte	Urban green gardens in Madrid Nuevo Norte, location and surface area	BIM	YES
	Combination of the following files into a single GIS layer: <ul style="list-style-type: none"> • DOC. 3: DESIGN PRINCIPLES OF THE LANDSCAPE FRAMEWORK. LANDSCAPE MASTER FRAMEWORK • MNN_AD.GDB 		
	Street layout	BIM	NO
	Combination of the following files into a single GIS layer: <ul style="list-style-type: none"> • MNN_AD.GDB • Red - Transportes_MPG_200211 		
	Population: Location and number of inhabitants	BIM	NO
Combination of the following files into a single GIS layer: <ul style="list-style-type: none"> • AreaMovimiento.GDB • 1997 SPECIFIC MODIFICATION OF THE CITY PLAN in the Planning Areas: APE 08.03 "Prolongación de la Castellana" AND APE 05.27 "Colonia Campamento" for the Definition of the Determinations and Planning Parameters of the Urban Development Operation "MADRID NUEVO NORTE". V. DETAILED PLANNING DOCUMENTATION 4. Specific Urban Development Regulations 			

Comparison	Community urban green gardens in Madrid, location and area		
	<ul style="list-style-type: none"> • Community urban green gardens in Madrid (https://diario.madrid.es/huertos/guia-huertos/) 		
	Street layout		
	<ul style="list-style-type: none"> • Roadway: Travel axes. NOME CALLES. Official nomenclator and street map of the Region of Madrid (https://www.madrid.org/nomecalles/DescargaBDTCorte.icm) 		
	Population: Location and number of inhabitants		
<ul style="list-style-type: none"> • Population polygons: Urban Atlas 2018 (https://land.copernicus.eu/) 			

Calculation method

The methodology used to calculate the level of service of urban green gardens was the one described in the section "Methodology for calculating accessibility indicators" and the method for locating community vegetable gardens specified in SHEET 4 "number of urban green gardens and surface area per inhabitant".

During the activity of Madrid Nuevo Norte, the precision of the indicator may be improved with the actual population figures and locations, the detailed layout of the streets in Madrid Nuevo Norte and the final locations of green gardens.

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OUTPUT			
OUTCOME			
Indicator	Unit	Source	
Number of urban vegetable gardens	N	Strategy for localisation of the SDGs in the city of Madrid (https://www.madrid.es/portales/munimadrid/es/Inicio/EI-Ayuntamiento/Cooperacion-y-Ciudadania-Global/Agenda-2030/Estrategia-de-localizacion-de-los-ODS-en-la-ciudad-de-Madrid/?vgnextfmt=default&vgnextoid=b7b75cd724a38710VgnVCM1000001d4a900aRCRD&vgnnextchannel=5347a62071048710VgnVCM1000001d4a900aRCRD)	
Percentage of Madrid's population with access to an urban vegetable garden no more than 10 minutes from their place of residence	%		