

05.02.2025

Sustainable Energy and Climate
Action Plan (SECAP)

Antalya Metropolitan Municipality



ANTALYA
METROPOLITAN
MUNICIPALITY

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Another pandemic hits. Politics— whether institutional or governmental have blocked researchers and medical professionals from different countries from talking, collaborating, and sharing data. Such lack of collaboration results in it becoming harder for us to understand why some regions of the world are being hit harder than others, because we lack the data to understand why. Meanwhile, scientists in other regions have the answer, but they are not sharing it. Lives are lost, economies wrecked, and we are all less safe. This is obviously a scary scenario.

Isolationism Will Make Science Less Effective

December 23, 2024

by Mila Rosenthal

Blog



**INTERNATIONAL
SCIENCE
RESERVE**

At The New York Academy of Sciences



ANTALYA METROPOLITAN MUNICIPALITY

Climate Action Roadmap of Antalya

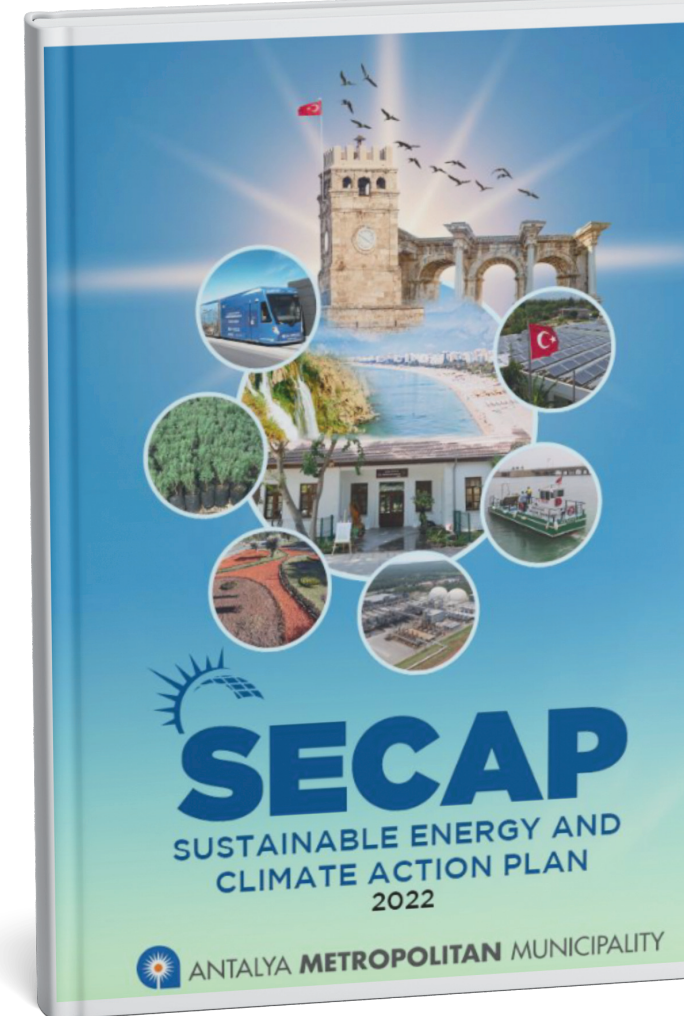
Convenant of Mayors Europe - CoM

- To support and engage mayors in achieving the European Union's climate and energy goals, the Covenant of Mayors for Climate and Energy was launched in 2008.
- As a member of the Covenant of Mayors Europe (CoM), Antalya joins other local governments committed to:
Reducing carbon emissions by at least 40% by 2030.

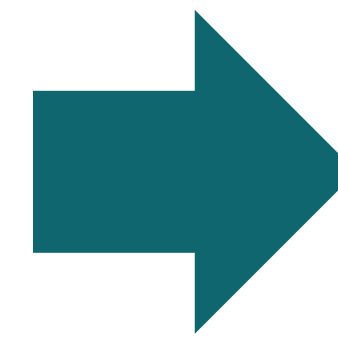
In 2022, Sustainable Energy and Climate Action Plan (SECAP).

Membership also includes **responsibilities for periodic monitoring and reporting to track progress.**

Antalya has continued its efforts to fulfill the platform's requirements and work towards these ambitious goals.



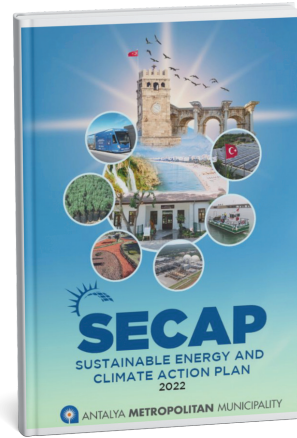
**40%
emission
reduction
by 2030**



**2050
carbon
neutral
target**

Climate Action Roadmap of Antalya (continue)

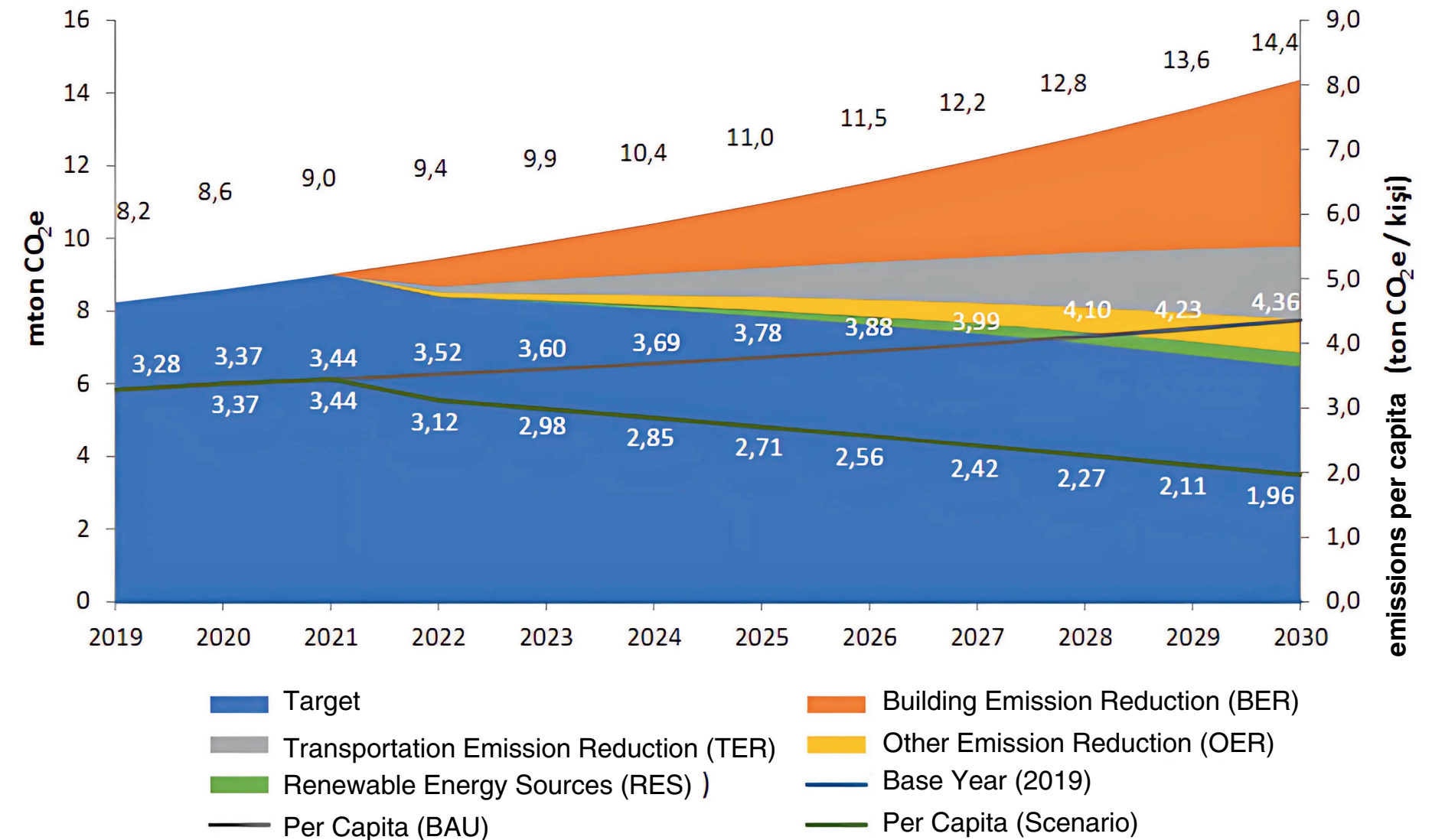
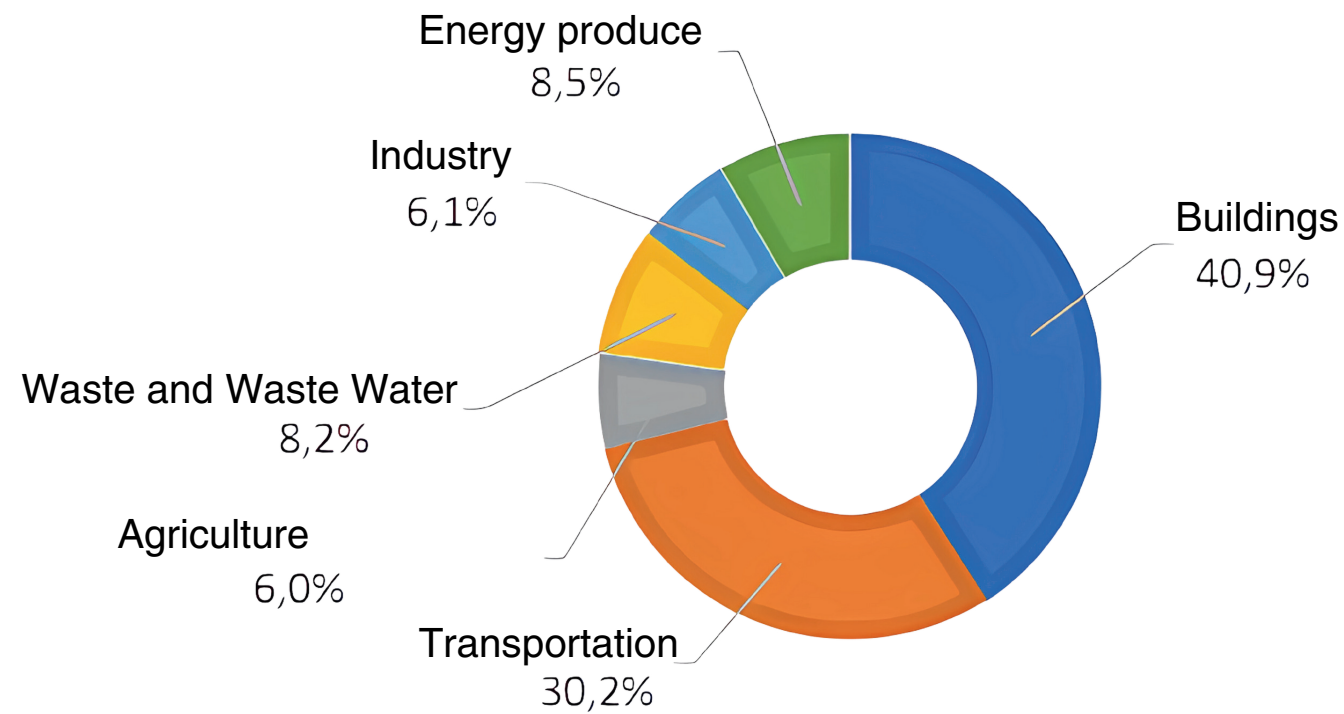
According to



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As an average annual population increase of approximately 3% is foreseen in Antalya province it is estimated that the population residing in Antalya will reach **3.294.015 people in 2030.**

2030 Target Scenario

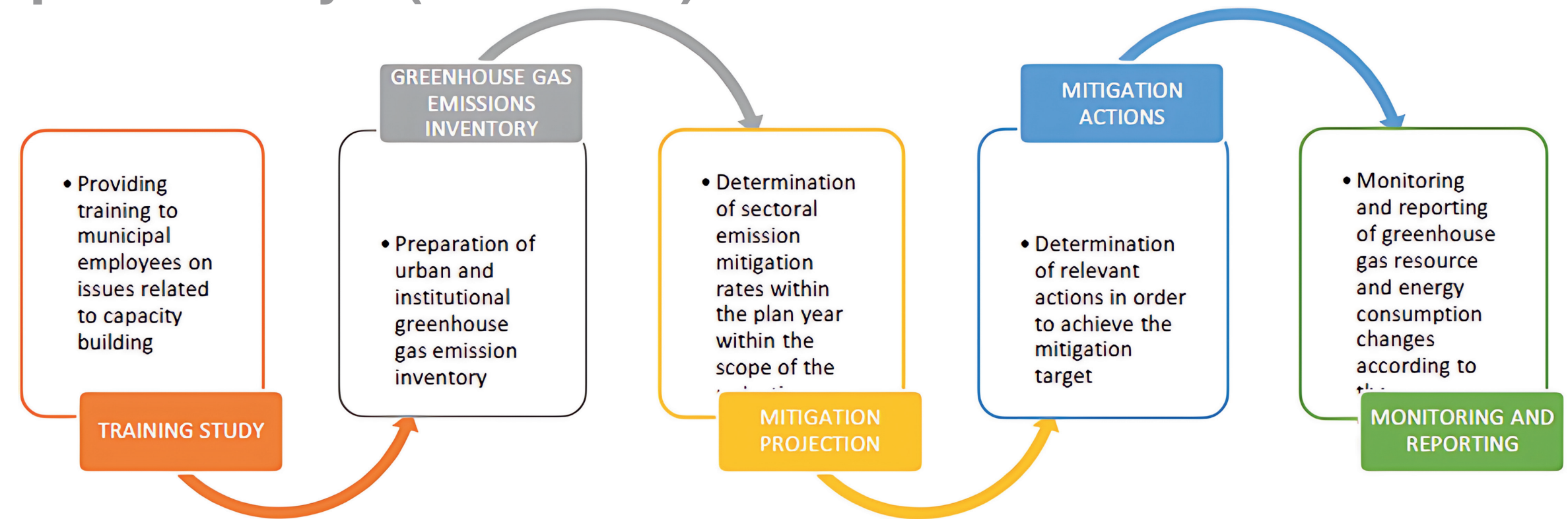


Current emissions by sectors in Antalya province

GHG emissions mitigation scenario of Antalya province for 2030

Climate Action Roadmap of Antalya (continue)

Multi-Criteria Assessment (MCA) Analysis was used to prioritize mitigation activities. Within the scope of the assessment, a series of criteria including environmental, economic, social, and institutional were taken into consideration in GHG mitigation activities prepared with the main objectives of supporting the transition to sustainable energy and reducing GHG emissions



Criteria Assessment, a four-point Likert scale was used for each criterion.

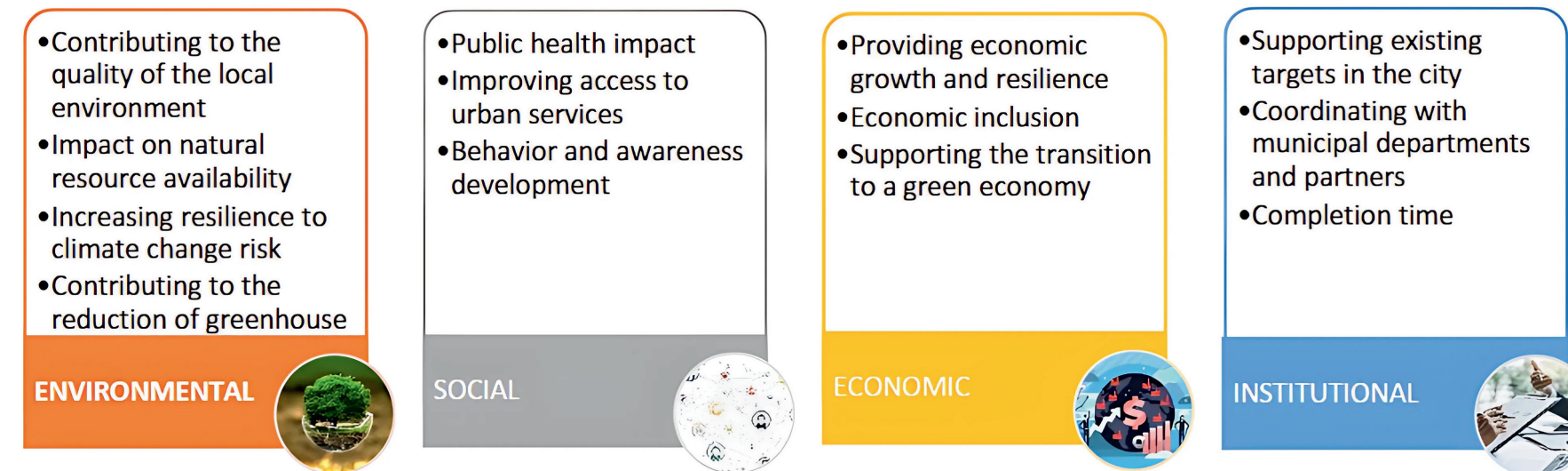


Figure 35: Criteria used in the multi-Criteria Evaluation analysis

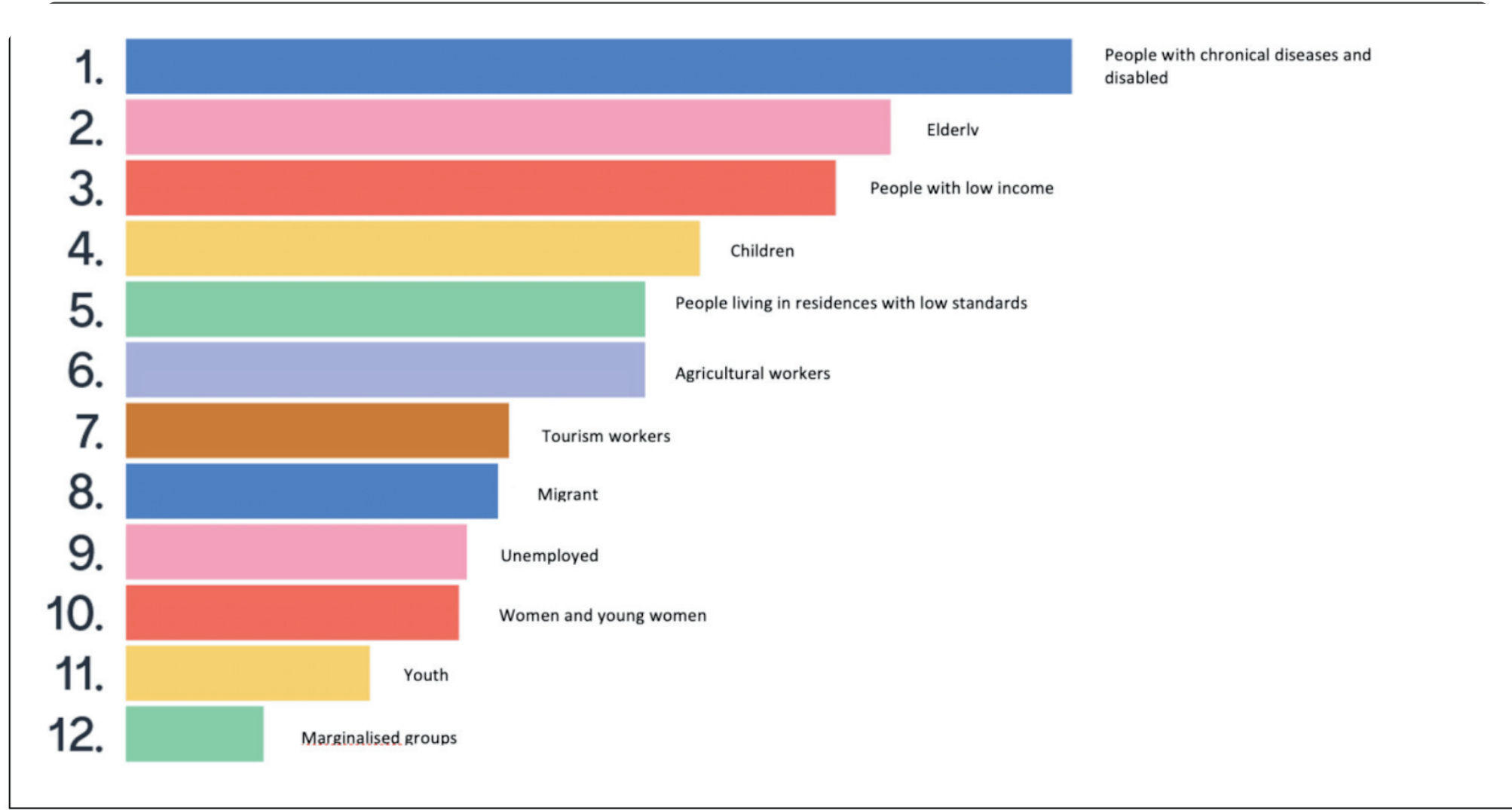


Figure 63: Survey result of prioritization of vulnerable groups that will be affected by climate hazards



Figure 65: The result obtained by determining the effects of risks on sectors using Mural

EKOSİSTEM HİZMETLERİ ve BİYOÇEŞİTLİLİK	TURİZM	TARIM ve HAYVANCILIK	SAĞLIK ve AFET YÖNETİMİ	ENERJİ ve ALTYAPI	ULAŞIM	BİNALAR
ECOSYSTEM SERVICES AND BIODIVERSITY	TOURISM	AGRICULTURE AND HUSBANDRY	HEALTH AND DISASTER MANAGEMENT	ENERGY AND INFRASTRUCTURE	TRANSPORT	BUILDINGS

Action areas	Actions	Number of participants	Action's applicability level score1-5	Action severity score 1-5
Ecosystem services, biodiversity and green spaces	E1: Preparation of vulnerability maps in the context of urban heat island.	46	3,67	4,37
	E2: Afforestation of stream banks and floodplain boundaries.		4,02	4,43
	E3: Establishment of orchards in the city.		3,37	3,83
	E4: Giving the transportation axes a green corridor function.		3,76	4,30
	E5: Conducting long-term monitoring activities for ecosystem restoration.		3,72	4,20

Action areas	Actions	Number of participants	Action's applicability level score1-5	Action severity score 1-5
	E6: Ensuring the integration of blue infrastructure into green areas.		3,49	3,96
	E7: Enforcement of green roof requirement in commercial buildings		3,60	4,18
	E8: Combating forest fires, communication between institutions		4,33	4,78

Action areas	Actions	Number of participants	Action's applicability level score1-5	Action severity score 1-5
City, infrastructure and waste management	C1: Minimizing food waste.	39	3,97	4,64
	C2: Conducting awareness raising activities on waste.		4,33	4,56
	C3: Placing recycling bins in public areas.		4,41	4,64
	C4: Separate collection of hotel, restaurant, cafe waste.		4,18	4,44
	C5: Using light-colored materials in floor coverings.		3,67	3,59
	C6: Increasing water permeable surfaces (sidewalks, roads, traffic-free areas, parks)		3,77	4,74
	C7: Increasing bike lanes and ensuring their integration with green corridors.		3,69	4,72

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	C7: Increasing bike lanes and ensuring their integration with green corridors.		3,69	4,72

Action areas	Actions	Number of participants	Action's applicability level score1-5	Action severity score 1-5
Public health and disaster management	PD1: Giving information about diseases and prevention methods.	42	4,07	4,12
	PD2: Making applications to prevent vector reproduction.		3,81	4,43
	PD3: Monitoring air and water quality values and developing a warning system.		4,10	4,48
	PD4: Identify areas that will be most affected by extreme weather events.		3,95	4,52
	PD5: Ensuring food and nutrition security against the risk of drought.		3,50	4,62
	PD6: Explaining the risks of climatic disasters to the society.		3,98	4,63
	PD7: Developing disaster early warning systems.		3,90	4,43
	PD8: Development of GIS-based risk maps.		3,93	4,57

Action areas	Actions	Number of participants	Action's applicability level score1-5	Action severity score 1-5
Agriculture	AG1: Creation of vegetated buffer strips along agricultural irrigation channels.	46	3,52	4,17
	AG2: Informing farmers about climatic risks.		4,07	4,43
	AG3: Implementation of nature-based solutions in appropriate areas.		3,85	4,48
	AG4: Making greenhouses resistant to climatic risks.		3,52	4,43
	AG5: Providing support to farmers to increase production variety and quantity.		3,83	4,50
	AG6: Establishment of rainwater tanks for agricultural irrigation.		4,15	4,78



Let us all strive to move towards more sustainable, smart and green cities.



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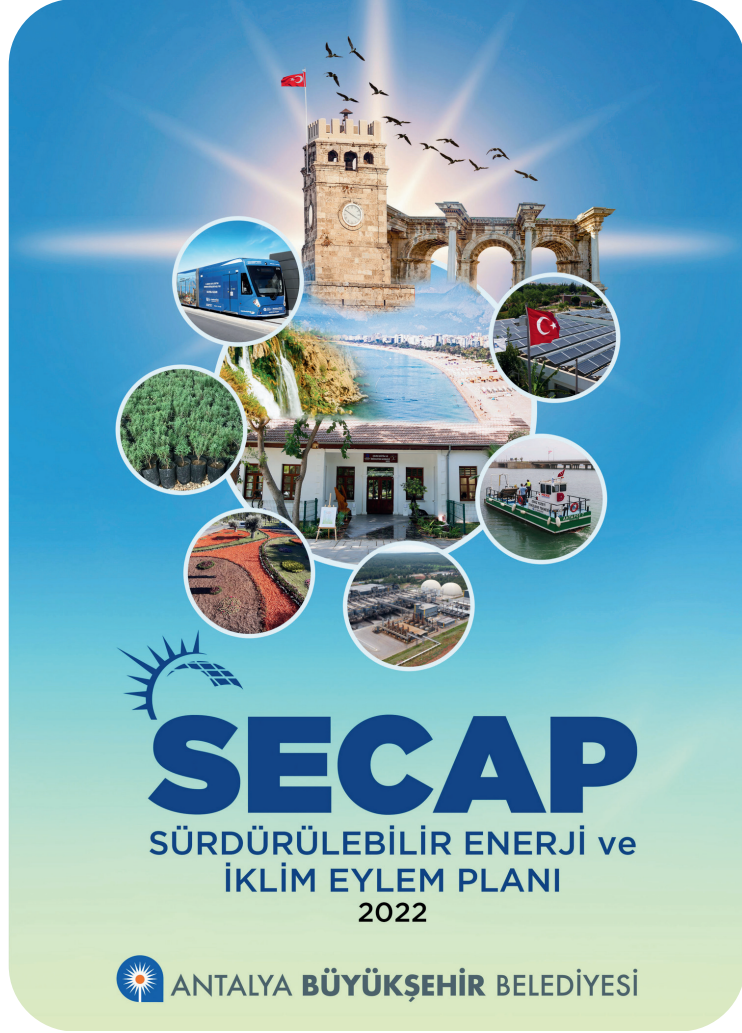
Antalya Metropolitan Municipality - Home Page

Antalya Büyükşehir Belediyesi Kurumsal Web Sitesi

antalya.bel.tr



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Thanks for listening...

Any questions?



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