Amman
(Jordan)

City Context and Challenges

more than 4.2 Million inhabitants coming from different social and cultural backgrounds (42% of Jordan population)

More than third of its inhabitants are none Jordanian

Amman is the economic & political engine of the country; with 80 % of its capital enterprise .

48 % of all lands within GAM borders are zoned and regulated , (37 %) of the total area is built - up area.

approximately 800 square kilometers

Nearly 40 % of Amman's population is under the age of 20

Amman's challenges

Rapid Urbanization and urban sprawl due to horizontal expansion, high population

Technical and financial capacity constraints affect long tern data-based planning

Climate-related challenges and extreme weather events (heavy rains lead to flooding, drought, heat waves)

Actions to address the challenges

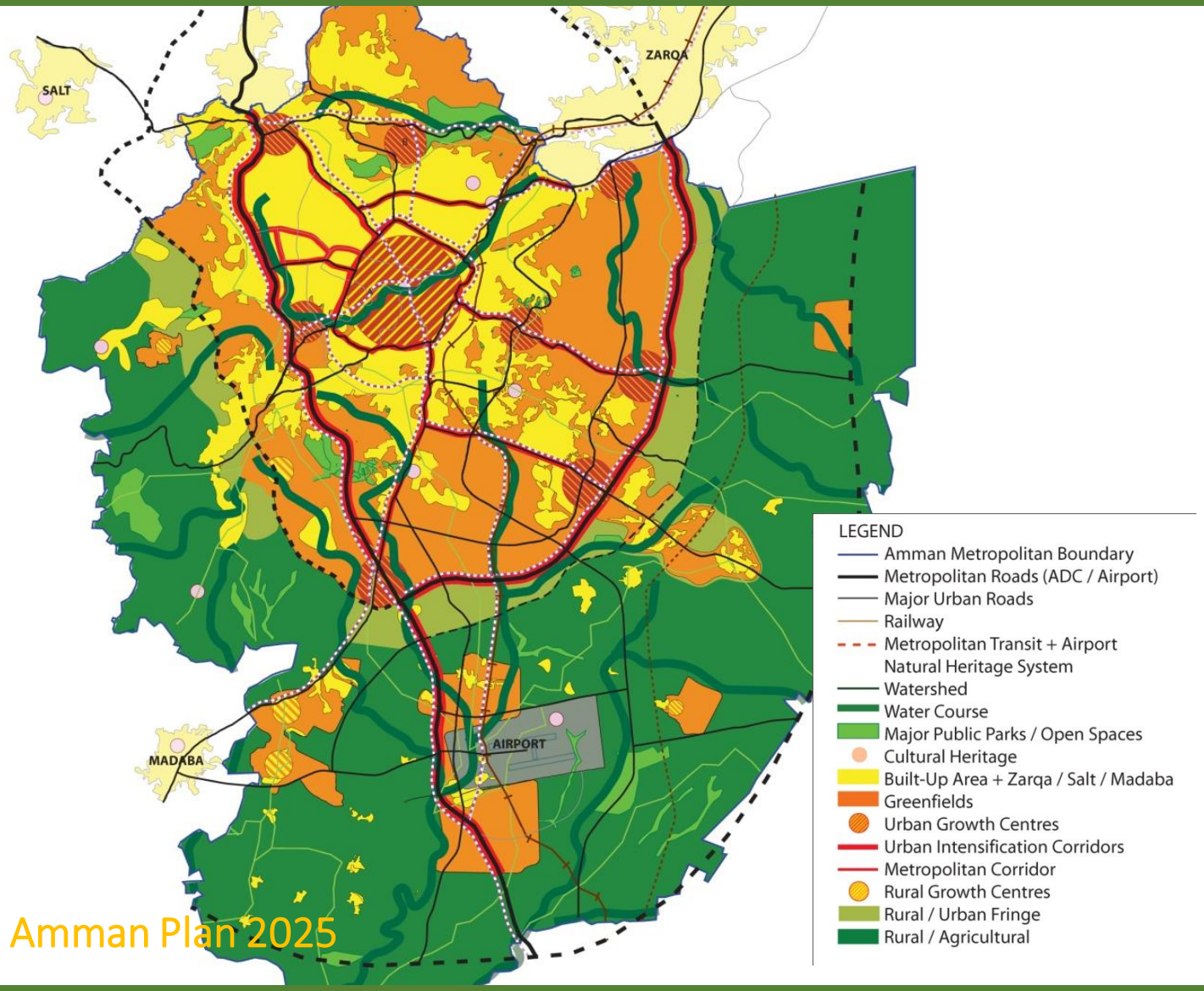
Develop a comprehensive Master Plan harmonized with natural systems and ecological assets

- Enhance capacity in open data and improve Municipal Observatory to capture standard benchmarking and live data
- Enhancing institutional capacity in financial planning
- Create private-sector participation plan and public communications and participatory plan
- Endorse urban planning laws and regulations
- Promote natural-based urban ecological planning approach
- Implement nature-based solutions in some of the hot spot in Amman.
- Develop an integrated green infrastructure strategy

Ongoing projects and initiatives

Long-term City-level Planning	Amman Metropolitan Growth Plan	Amman Resilience Strategy		
Medium-Short term Strategies and policies	Amman Climate Action Plan	Amman Green City Action Plan	Greening Policy	Green Infrastructure
Ongoing projects/ initiatives	Urban micro lungs	Urban Rooftop Gardens	Improving Living Conditions via Green Infrastructure (ILCA)	Increase green spaces

Amman Metropolitan Growth Plan



Amman Plan 2025

- A Metropolitan Growth Plan to direct growth within Greater Amman Municipality, improve transportation and servicing and conserve resources;
- Creating high density mixed use communities to divert high density development pressure away from Amman's historic neighborhoods;
- Corridor Intensification Plan to improve development approvals along Amman's major corridors and intersections;
- The planning process utilized a bio-regional approach to preserve and enhance the natural heritage system vital to the sustainability of the capital region.

Amman Green City Action Plan

6 Pillar

19 Goals

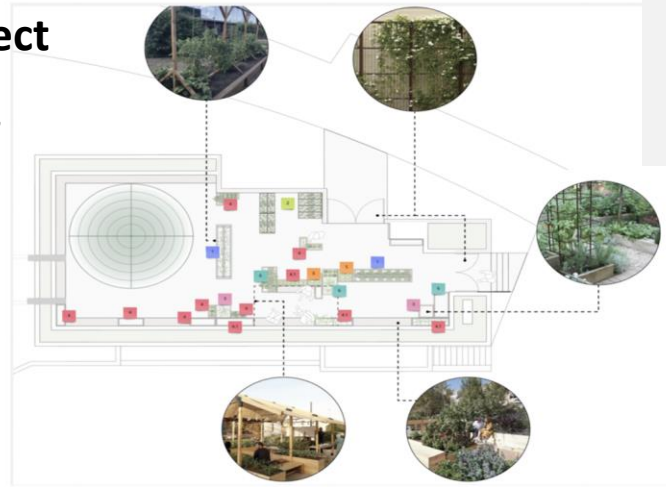
Efficient and resilient energy systems and buildings	Accessible, diverse and low-carbon mobility systems	Resource efficient and holistic waste management systems	Integrated water resources management	Comprehensive and reflective land use planning	Responsive and forward-looking climate adaptation practices
Increase renewable energy supply by 25% by 2035 to improve energy diversity, independence and resilience	Increase the modal share of public transportation by 30% by 2030 by institutionalising and normalizing public transport	Improve resource management by increasing the efficiency of solid waste management regimes	Reduce flood risk in critical areas by 50% by 2040	Increase the amount of quality green space in Amman	Institutionalise climate resilience into all aspects of municipal operations and policies
Reduce the rate of energy demand by 15% by 2030 by improving the energy efficiency of building and electrical systems	Develop a public realm strategy that supports pedestrian travel	Integrate circular principles into waste management	Reduce water network losses by 70% by 2040	Develop an up-to-date land use plan to ensure equitable development across Amman	Mitigate or maintain the urban heat island effect and carbon emissions in Amman through blue and green infrastructure
	Incorporate smart systems in transport planning	Reduce the amount of waste sent to landfill by 12% by 2030	Improve access to water and wastewater networks to 100% of Amani's by 2040	Improve the public realm	Improve public awareness of climate change
		Upgrade waste management infrastructure	Improve water efficiency in buildings by 25% by 2030.		

64 Actions (37 short-term actions and Long-term actions)

Launched 2020

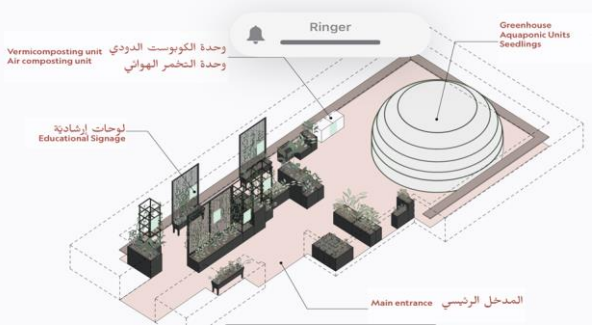
Greening Policy / Urban Rooftop Gardens

Increase the percentage of green spaces within the city of Amman from 1.6% to 2.5%, and this is achieved by cultivating around 7300 dunums as new spaces, and therefore the per capita share will be raised from 3.18 m2 at the beginning of the year. 2021 to 5m2 at the end of 2026

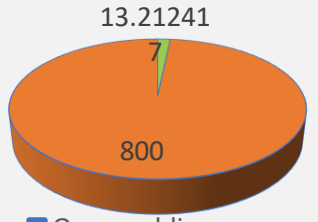


Urban Rooftop Gardens Project

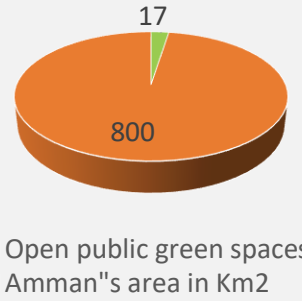
We are proposing an easy access, easy to replicate sanctuary for those all over this city who still have a chance to not just survive but to thrive, bloom, and root back into this city through community urban gardening

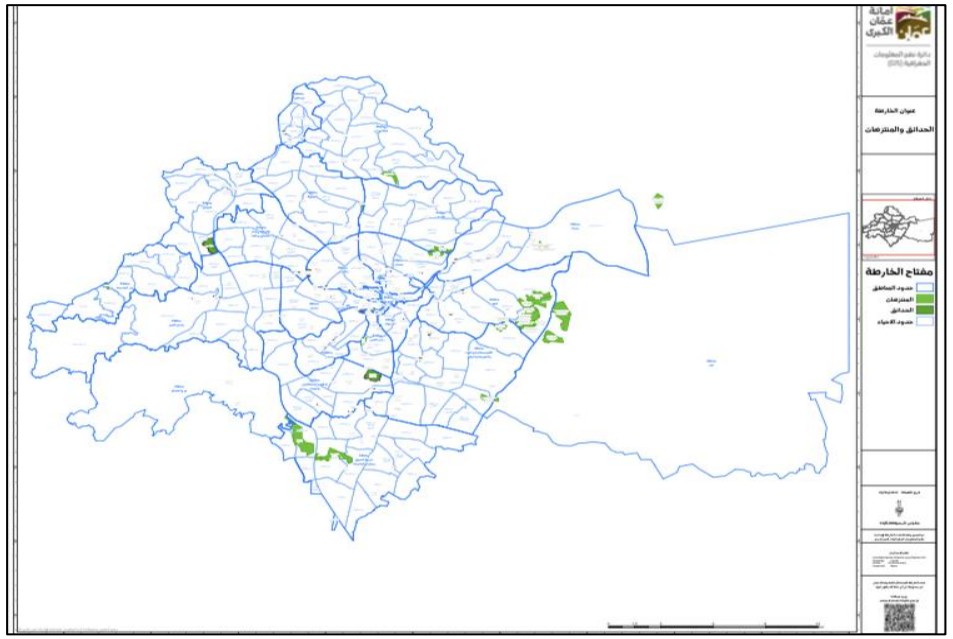


The percentage of open public green spaces to the area of Amman in 2021 is 1.6%



The percentage of open public green spaces to the area of Amman is targeted to be 2.5% in 2026





Improving Living Conditions in disadvantaged Areas of Amman via the implementation of Green Infrastructure (ILCA) & Urban Micro Lungs (UML)

Partners: GIZ/MoEnv/GAM

Target group: Residents of disadvantaged areas of Amman,

Beneficiaries: up to 150,000 residents (depending on density in the selected areas) /GIZ, GAM and MoEnv beneficiaries of capacity building measures

Activities: Implementation of green infrastructure for the development and improvement of Public Open Spaces, access to services, community participation, capacity development for GAM and MoEnv employees; link to global agendas and National strategies

Methodological Approach – Benefits and Potential of the Miyawaki Method

Main goal

- Environmental restorations of the strongly degraded areas in East Amman;
- Awareness among both the population and local authorities;

x10 FASTER
x30 DENSER
MULTIPLYING BENEFITS IN A FRACTION OF TIME

The Miyawaki method for the restoration and reconstruction of natural ecosystems to create ultra-dense, highly biodiverse and multi-layered forests in dense urban areas in Amman is used.

Key takeaways

- This training provided a well Understanding of biodiversity integration in city plans and its value added .
- Cities have to start thinking about the Ecosystem approach to urban development as a holistic approach .
- Integrating biodiversity in decision making process to ensure the economic, social, cultural and environmental wellbeing of people and move to ultimately achieve sustainable cities and societies.
- Cities are hotspots of climate change impacts and risks, but also a crucial part of the solution.
- Data driven decision making is critical for the city.
- The importance of public-private partnership and stakeholder engagement.
- Proper enforcement of laws, regulations and incentives that push towards ecological development is a must.