



Food and Agriculture Organization
of the United Nations



European Bank
for Reconstruction and Development

FAO INVESTMENT CENTRE

INVESTMENT SOLUTIONS
FOR SUSTAINABLE FOOD AND AGRICULTURE

SUSTAINABLE URBAN FOOD AND FOOD WASTE LOGISTICS IN ISTANBUL

**Towards a roadmap for Istanbul
food logistics – Workshop 2/4**

**EBRD/FAO AGRI-FOOD CLIMATE
AND ENVIRONMENTAL
SUSTAINABILITY (ACES) INITIATIVE**



Workshop Agenda

10h - Opening remarks

10h05 - Presentation of the Istanbul urban food logistics assessment findings

10h30 - Presentation of the draft roadmap

10h50 - Group sessions to discuss Investment and Policy recommendations

11h30 - Debrief

11h40 – Closing remarks and next steps

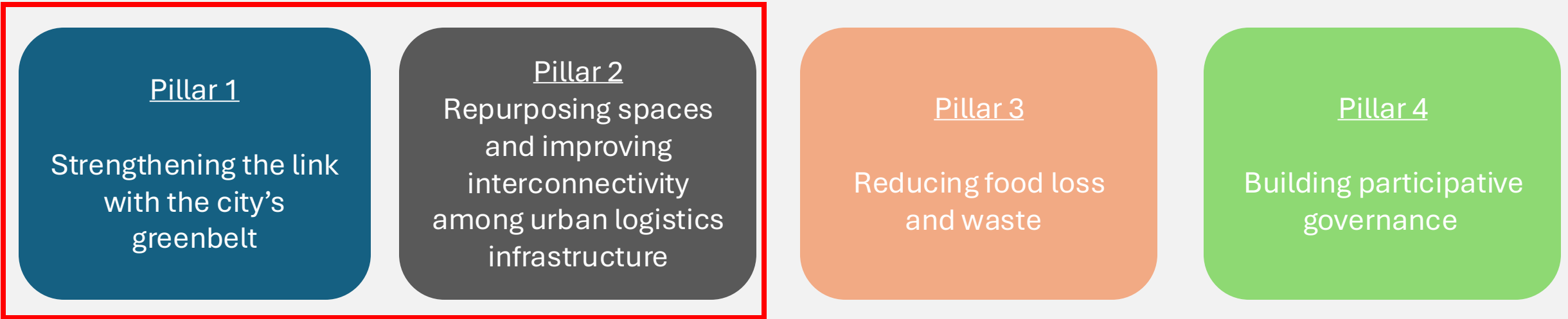
Objectives of the workshop

- Share findings of the work achieved by the team during the last months in Istanbul
- Engage discussions about the establishment of a roadmap for urban food logistics in Istanbul to complete GCAP on food logistics and food waste logistics
- Identify key actions of the roadmap based on strategic pillars and stakeholders priorities
- Agreement on a preliminary actions plan for food logistics
- Preparation of next steps for finalization of roadmap

A food logistics roadmap for Istanbul: methodology

- Achievement of urban food logistics assessment: key challenges and areas for improvements
- Methodology developed in FAO/EBRD publication: *Building resilience in urban food logistics*
- Alignment with GCAP - food section of the action plan
- Engagement and concertation with public and private stakeholders through series of workshops on different pillars : establishment of shared action plan
- Building a path to greener and resilient urban food logistics and food waste logistics

4 Pillars for urban food and food waste logistics roadmap in Istanbul



Survey Results - Strategic pillar 1: Strengthening the link with the city's greenbelt

Strategic objectives	Detailed actions
Protect farmland and promote farm settlements in available urban lands	1.Mapping existing farmlands and utilization and potential farming areas
	2. Implement support programs for farm settlements in green belt and urban areas
	3.Implement compensation schemes to ensure stakeholders' acceptance of farmland protection
Support the development of short value chain logistics and urban supply	1. Adapt or build infrastructures to ensure access to market for regional producers (sorting, grading, packing lines, producers' area)
	2. Support short value chain logistics cost-saving solutions (food logistics cooperatives, logistics asset-sharing platforms, digital solutions mapping regional agri-food intermediaries, business-to-consumer marketing platforms)
Open new market pathways for regional farmers	1.Increase the availability of local food products SKUs
	2. Stimulate demand for local products
	3. Improve local food products' quality and traceability initiatives

Survey Results - Strategic pillar 2: Repurposing spaces and improving interconnectivity among urban logistics infrastructure

Strategic objectives	Detailed actions
Adapt urban spaces to urban food logistics trends	1. Prepare an inventory of public and private logistics spaces and audit urban food logistics needs and gaps (electric vehicles, parking spaces, data management system)
	2. Designate zero or low-emission delivery zones in the city
	3. Integrate logistics in infrastructure and real estate development as a priority in urban planning
	4. Analyze avenues for improving the competitiveness of WFM and diversifying the clientele of WFM
	5. Improve cold chain on the last mile
Invest in the collaboration between food logistics actors	1. Coordinate flow management between food logistics facilities
	2. Promote shared/cooperative last-mile delivery services
	3. Capture consumers trends (food consumption, food purchase habits, use of e-commerce)
	3. Co-invest in facilities and services that can improve delivery workers' welfare
	4. Co-invest in facilities and services that can improve delivery workers' welfare
5. Visualize urban food logistics impacts to reduce emissions, ease traffic, and make data-driven decisions through public-private partnership	

Focus on Policy and Investment recommendations

P1/Support Istanbul farmers for farm settlements in green belt and urban areas

Alignment with
LU6/GCAP

Potential Policy and Investment recommendations	Type	Potential Ownership
1. Develop and fund training and grant programs to help farmers and youth improve farming and meet urban market demands	Policy	Istanbul Metropolitan Municipality Provincial agriculture directorate NGOs/International organization
2. Develop a pilot Urban Farming Hub that combines (GCAP LU6) : <ul style="list-style-type: none"> • Personal and small-scale commercial growing beds, • a restaurant • market for community gatherings and local product sales, • an indoor farming area for experimenting with innovative food-growing techniques • partnerships with educational structures 	Investment	Istanbul Metropolitan Municipality
3. Invest in urban farming for leafy greens adjacent to modern and traditional retail distribution centers. Ex: Gebze-Tuzla, Bayrampaşa, Esenyurt, Büyükçekmece, Çayırova/Kocaeli	Investment	Private sector (retailers, logisticians, producers)

Focus on Policy and Investment recommendations

P1/Adapt or build infrastructures ensuring access to market for regional producers

Partial Alignment with T7/GCAP

Potential Policy and Investment recommendations	Type	Potential Ownership
1. Map regional producers' potential to answer local food demand and needs in terms of infrastructure and access to market	Analysis	Istanbul Metropolitan Municipality /Provincial agriculture directorate
2. Invest in Micro food hubs: agrologistics centers in close production areas for aggregation and primary processing – Co-managed by farmers and buyers	Investment	Istanbul Metropolitan Municipality /Provincial agriculture directorate Private sector (retailers, logisticians, producers)
3. Equip WFM with producers' pavilions and primary processing equipment and services (e.g. packing, cold chain, and transport)	Investment	Wholesale Food Markets
4. Develop digital and physical platforms, through WFM or other aggregators, to link farmers with both individual and business buyers.	Investment	Wholesale Food Markets Istanbul Metropolitan Municipality Provincial agriculture directorate Private sector (retailers, logisticians, producers)

GCAP T7 – Establishment of Logistics Transfer and Disaster Logistics Centres

=> Logistics transfer centres can function as peri-urban logistics centers with shared agri-logistics hubs for producer–market linkages

Focus on Policy and Investment recommendations

P2/Prepare an inventory of public and private logistics areas and to identify urban food logistics needs and gaps

Alignment with SW4/GCAP

Potential Policy and Investment recommendations	Type	Potential Ownership
1. Produce a collaborative and open-source GIS mapping on urban food and food waste logistics including main traffic routes, WFMs, warehouses/distribution centers, retailers, open air bazaars, dark stores, as well as food waste logistics facilities to support investment process and policy recommendation for sustainable and resilient urban food logistics	Analysis	Istanbul Metropolitan Municipality

- ➔ **Extending GCAP SW4:** Digital Map for Food-Waste & Circular-Economy Infrastructure to include food-logistics infrastructure.
- ➔ Actions to be initiated in the frame of the project

Focus on Policy and Investment recommendations
P2/Designate zero or low-emission delivery zones in the city

**Alignment with
T1-8-11/GCAP**

Potential Policy and Investment recommendations	Type	Potential Ownership
Invest in shared micro-fulfillment centers in urban areas with integrated with cargo bike networks (e.g. Ataşehir–Kozyatağı, Şişli–Zincirlikuyu, European side LEZ border) (T8/GCAP)	Investment	Istanbul Metropolitan Municipality Districts Municipalities
Implement adaptive policies/programmes to promote greener last-mile delivery, including: <ul style="list-style-type: none"> • Access rules by vehicle emission class • Charging stations & digital parking areas (T11/GCAP) • Safe two-wheeler parking & cycle lanes • “Book-a-Bay” app for loading zones • Micro-fulfillment & cargo bike delivery • Quiet & shared delivery time slots • Mixed-traffic zones • Quiet Logistics Guide (noise & light standards) 	Policy	Istanbul Metropolitan Municipality
Develop pilots for low-emission delivery zones (e.g. Fatih District) (T1/GCAP)	Investment/ Policy	Istanbul Metropolitan Municipality District

Strong alignment with: T8 – Micro-Fulfilment Centres and Cargo Bikes
 T11 – EV Charging Infrastructure Pilot
 T1 – Low-Emission Zone

Focus on Policy and Investment recommendations

P2/Prioritize food logistics in city planning, infrastructure, and real estate development

**Alignment with
T7-8/GCAP**

Potential Policy and Investment recommendations	Type	Potential Ownership
Identify potential disqualified areas or buildings for repurposing into logistics infrastructure	Analysis	Municipality Private sector (retailers, logisticians, producers)
Integrate food logistics infrastructure into Urban Planning: - Urban periphery: aggregation, warehousing, and delivery preparation (T7 GCAP) - Urban centers: proximity distribution and last-mile delivery (T8 GCAP)	Policy	Istanbul Metropolitan Municipality
Regulate logistics infrastructure development in city centers through sustainability standards, mix-used activities and landscape integration	Policy	Istanbul Metropolitan Municipality

T7 – Establishment of Logistics Transfer and Disaster Logistics Centres

T8 – Micro-Fulfilment Centres and Cargo Bikes

=> Logistics transfer centres can function as peri-urban logistics centers with shared agri-logistics hubs for producer–market linkages

Focus on Policy and Investment recommendations
P2/Improve the cold chain on the last mile

Potential Policy and Investment Recommendations	Type	Potential Ownership
1. Establish cold storage areas in WFMs	Investment	Municipality/Wholesale food market/ Private actors
2. Develop microfulfillment centres with cold cells for fresh products	Investment	Municipality Private sector (retailers, logisticians, producers)
3. Support the transition through incentives to green vehicles with reefers	Investment	Municipality Private sector (retailers, logisticians, producers)
4. Develop cold lockers in city centers accessible for Business and Consumers	Investment	Municipality Private sector (retailers, logisticians, producers)



Next steps:

Pillar 1&2 roadmap finalization. **The updated roadmap will be shared and opened to amendment.**

Food waste assessment is finalized. **An online workshop covering Food waste will be held by end of 2025**

THANK YOU