



UNECE Committee on Forests and the Forest Industry

81st Session

San Marino, 22 November 2023





Item 5 (c) Urban forestry and land matters

Presentation of the work on the block-chain enhanced city food management tool, NaturEaTown (NET)

Liliana Annovazzi-Jakab

San Marino, 22 November 2023



Urban and peri-urban forests



PROBLEMS CITIES FACE

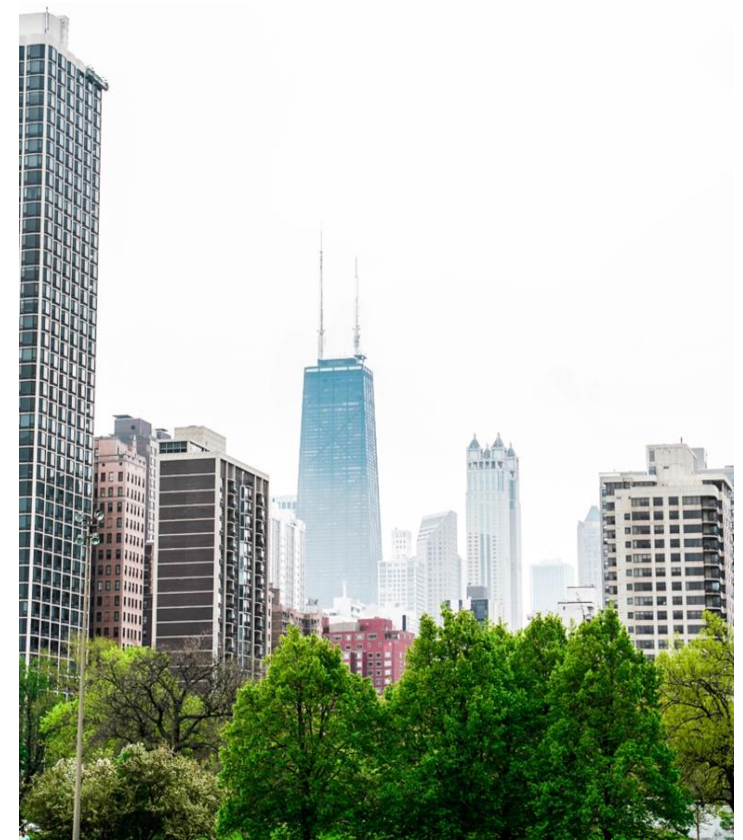
- Climate change impacts
- Increasing urbanization
- Air pollution from traffic and industry
- Mental and physical health crises
- Loss and fragmentation of urban natural areas
- Not enough trees and green spaces
- Food insecurity, food loss & waste

URBAN FOOD and URBAN FORESTS

Benefits of urban
trees & forests
could be doubled
if edible species
were planted

ONE SOLUTION, TWICE THE BENEFIT

- Use already existing forest ecosystems in and around our cities to provide nutritious, healthy and locally grown food.
- Urban food forests combine agriculture, forestry and agroforestry to duplicate benefits of urban greening.
- Food production close to cities to make food available for all and where it is produced



**To scale this requires DATA &
TRACING of the food produced**

Digital tools help to ensure the food grown by food forests is integrated into the local food system *and eaten*.



NaturEaTown (NET) has been designed to enable effective local action across the UNECE region

Data backed by block-chain

- **transparent, consistent data** to trace food and measure the impact of programs and initiatives;
- brings cost-effective transparency and traceability to local interventions.



Platform built for collaboration

- convenes actors across local food value chains **in a single virtual place**;
- **helps all** including cities, farmers, producers, distributors, sellers and NGOs **to collaborate**.



Regionally connected

- **supports local action across the UNECE region**;
- with users benefitting from global applications of the platform.

A block-chain powered food management tool for collaboration in cities and countries

Home New Product Products Your Orders Offers Requirements

My Raw material Active Products Request Products My work Facility Farms Plots Transaction Inventory

Enter product title

Rethinking fruits and vegetable value chain

A digital platform to bring invisible food to the food supply chain

Coconut
Min Qty: 20 kgs Amnat Cha...
Date Available: 06 Apr 2022
20 kgs - B40 - B34

Tomato ketchup 200...
Min Qty: 10 piec...
Date Available: 24 Feb 2022
B56.00 B53.00

Common beans
Min Qty: 40 kgs Amnat Cha...
Date Available: 18 Aug 2021
B73.00 B62.00

Broccoli
Min Qty: 50 kgs Amnat Cha...
Date Available: 07 Jul 2021
B96.00 B86.00

159 tonnes Food saved

2,360,914 m3 Water saved

54 kgs CO2 absorption

Certifications

Tomato Approved
Broccoli Approved
Ginger Approved

Buyer requirement

To william john Published
Potato B56

Monthly trend

Current month Previous month

Rejection %
4 % ^
Last 30 days +11%

Upcycling %
14 % ^
Last 30 days +17%

Market returns
76,740 THB ^
Last 30 days +15%

Best product
Caulliflowe...
Last 30 days n/a

Worst product
Caulliflowe...
Last 30 days n/a

Best Origin
Jones Famil...
Last 30 days n/a

Worst Origin
Jones Famil...
Last 30 days n/a

ONE PLATFORM SOLUTION

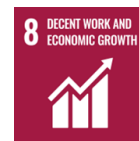
- Convenes & traces food at risk of being wasted
- Connects to existing food marketing platforms
- Compiles data across local food systems

PILOTING OF THE PLATFORM

TO MAP, MEASURE, MOBILIZE LOCAL FOOD SYSTEMS

- ✓ Improving food management and policies while minimizing food loss & waste
- ✓ Measuring and communicating impact of policies, strategies, programs while helping to plan adequate food programs
- ✓ Supporting transparent reporting
- ✓ Managing supply chain partners for increased impact
- ✓ Organizing local farming and increasing access to healthy food

LOOKING FOR PILOT PARTNERS





Thank you

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Section**

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