



Food and Agriculture
Organization of the
United Nations

SUSTAINABLE
DEVELOPMENT
GOALS



UNECE

Recovery and Redistribution of surplus food through online platforms

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Matching food supply with demand and getting it to where it is needed most is a growing challenge. And then came the COVID-19 pandemic: Distorted food supply chains.

Impact:

- Harvesting, packaging, processing, logistics
- HoReCa sector - reduced demand (fresh produce)
- Labour and border closures (impact on food exports and imports)

Result:

- **Surplus situation** (import, harvest), submarket

prices

- Waste (destruction of surplus food per lack of alternative buyers)
- **Food insecurity and lack of food**
- Food banks, charities need to distribute more to most affected groups

Outlook into 2021:

- Uncertain but prognostic not good
- Most affected: farmers, small businesses in food sectors, vulnerable groups
- High levels of food loss and waste
- Food security and environment impacted



Going forward or building more resilient supply chains

1. **Trace, quantify and analyse this FLW**
2. **Support fast distribution** through integration with on-line platforms to match demand and supply in alternative chains (commercial or charity)

Result:

- Handle immediate effects of pandemic on the food supply chains
- Rebuild resilience with robust, transparent, faster reacting distribution mechanisms





Recovery and redistribution of surplus food through online platforms

The product: UNECE’s FeedUP@UN approach

Focus – bringing invisible food to the surface via discovery and alternative flexible, fast reacting supply chains for food currently lost or wasted along the entire supply chain

Activating the business case/distribution case/ supply chain case for “invisible food”

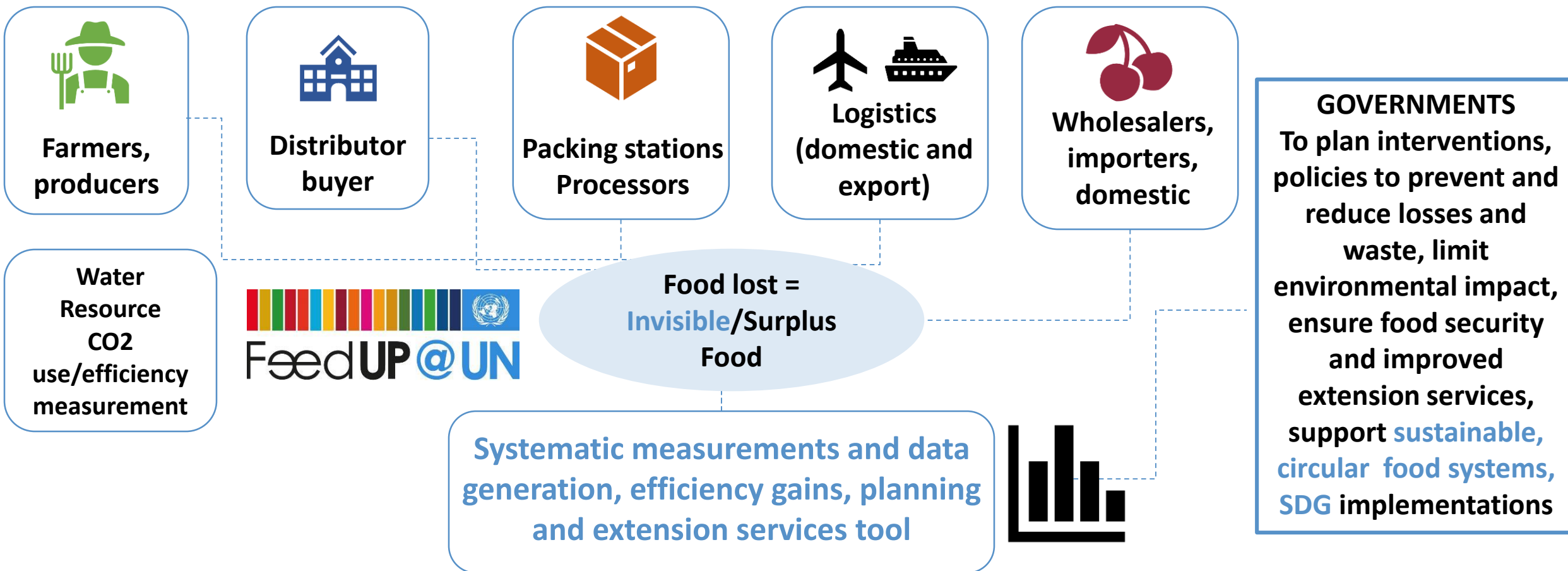


Systematic tracing food loss
Data generation

Food upcycling or
Online Market-
Distribution Places



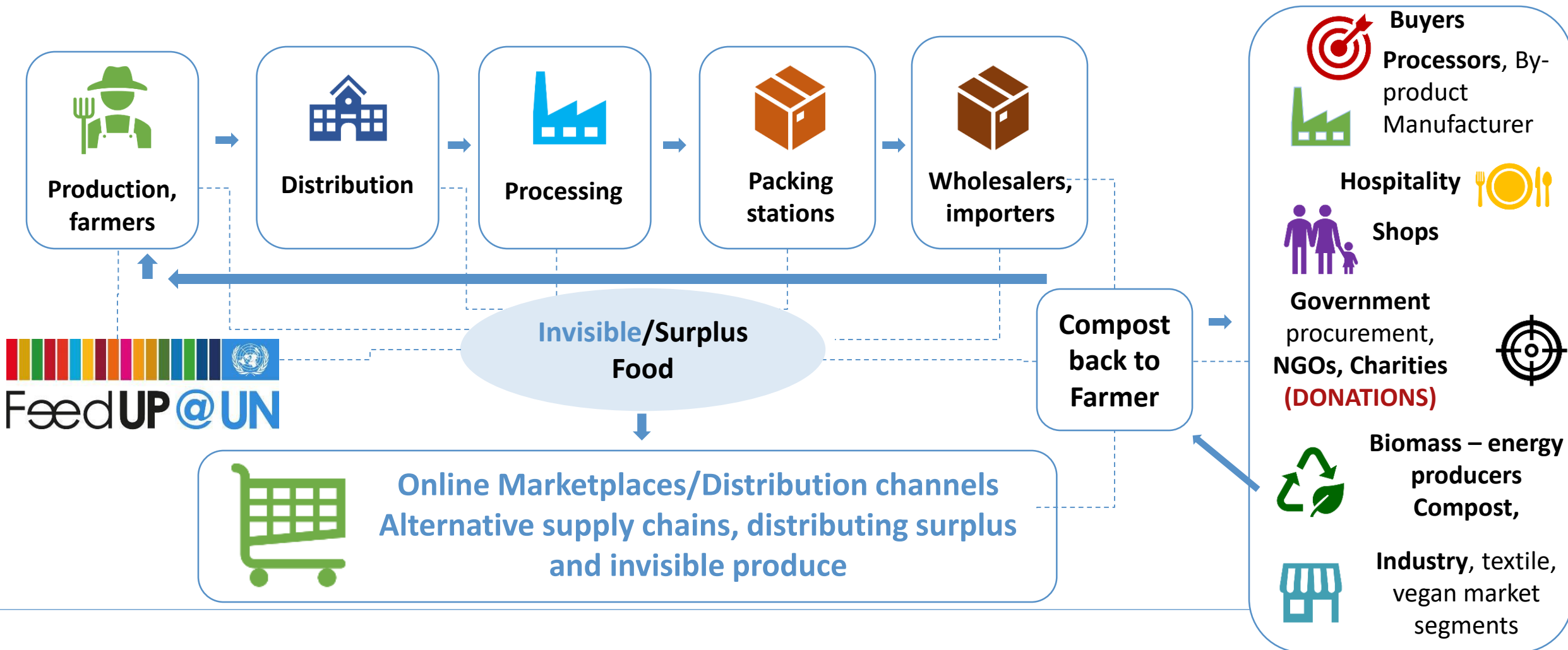
FeedUP@UN blockchain supported: Food loss data generation to build back better





Recovery and redistribution of surplus food through online platforms

FeedUP@UN standalone or integrated into distribution and marketplaces B2B, B2G, B2C





FeedUP@UN

- **Scalable and adaptable** for all countries
- **Local use first** – cross –border use later
- **Plug-ins for:**
 - **Existing systems** (e.g., traceability, certification)
 - **Foodbanks - charity**
 - **Biomass, compost solutions**
 - **Transport solutions**
 - **Water use, CO2 and resource efficiency measurement**

System of tracing FLW hotspots and enabling recovery and redistribution will cover both commercial supplying-buying, and supply to low-income food-insecure households and food distributions hubs.



FeedUP@UN

- Availability of data currently unavailable to governments and producers for better forecasting, planning policies and interventions at hotspots
 - Quantify, track, monitor and report the food waste impact annually at all levels (incl. small-scale farmers)
 - **Increased food security and sourcing of food donations – particularly in times of crisis and COVID**
 - Integrated with centralized online marketplace reducing food loss/waste in full circularity; improved traceable efficiency bringing trust and confidence
 - Additional income possibilities and employment for women and youth
 - Collaboration of governments, private sector, academia, innovation hubs, NGO's, certification bodies, logistics and distribution players in a single platform
- New alternative supply chains with more direct and new links for alternative use of food otherwise lost.**



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Project proposal

Objective: Implement with national partners in Europe and Central Asia online platforms that facilitate Recovery and Redistribution of 'surplus food'.

Action:

0. *Mobilize partners to support and implement this Action Plan.*
1. *Evaluate existing online (commercial) market places for food products.*
2. *Develop a regional support mechanism for national platforms.*
3. *Introduce and expand existing platforms in countries.*
4. *Develop the business model for national platforms.*



Activity	Input	Unit	Unit cost	Quantity 10 countries	Total cost
0. Mobilize partners to support and implement Action Plan.	Int'l consultant	month	6 600	1	6 600
	National consultant	month	3 300	20	66 000
1. Evaluate existing online (commercial) market places for food products.	Int'l consultant	month	6 600	1	6 600
	National consultant	month	3 300	20	66 000
2. Develop a regional support mechanism for national platforms.	Int'l consultant	month	6 600	2	13 200
	National consultant	month	3 300	40	132 000
3. Introduce and expand existing platforms in countries where they don't exist.	National ICT developer	LoA	9 000	10	90 000
	Int'l ICT developer	LoA	30 000	2	60 000
	National task-force meeting	meeting	500	20	10 000
	National stakeholder workshop	w'shop	1 600	10	16 000
	Software	package	2 000	10	20 000
	ICT facilities, access, etc.	facility	5 000	10	50 000
	Repackaging, transportation, storage of food products				0
	Mobilization of (volunteer) labour				0
4. Develop the business model for national platforms.	Int'l consultant	month	6 600	2	13 200
	National consultant	month	3 300	20	66 000
General	Local travel	day	100	200	20 000
	Int'l travel	mission	1 370	10	13 700
	General Operating Expenses			10%	64 930
	Project Service Costs			16%	114 277
				TOTAL \$	828 507



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Thank you!

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<http://www.fao.org/save-food>

<http://feedup.unece.org>

<https://dgroups.org/fao/savefood>