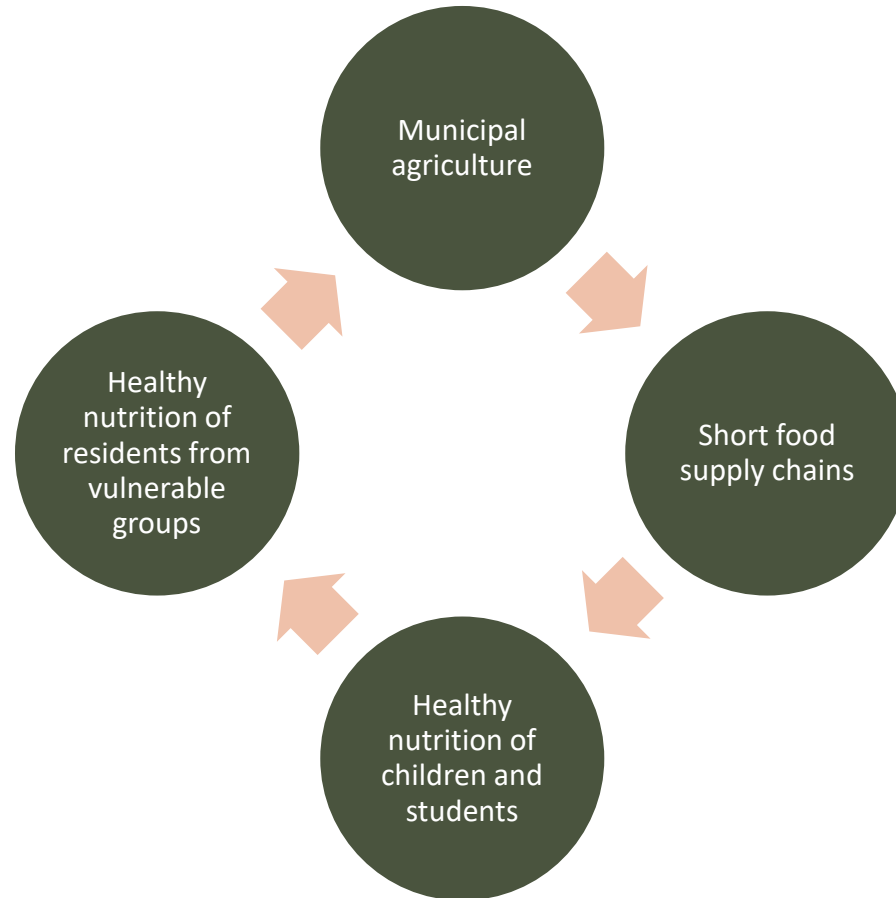




Municipal eco-greenhouses and orchards

# Municipal eco-greenhouses and orchards

*Fruit and vegetable production - closed service cycle*



# THE IDEA

2012 → A comparative analysis of the health status of children and schoolchildren in Troyan Municipality compared to Lovech region and the country has been prepared;

2013 → On the initiative of the municipal leadership, a workshop was held on "Problems of child and school health care in Troyan Municipality“:

→ Discussion of the results achieved in providing rational nutrition to adolescents through the children's milk kitchen, children's and school canteen meals;

→ Problem topics and possible solutions are outlined;

→ A programme for the development of child and school health care in Troyan Municipality was developed;

→ At the local level, preventive health measures and activities have been undertaken for the healthy nutrition of the adolescent population and representatives of vulnerable groups in Troyan;

→ Development of agricultural activities and municipal land management.



## Greenhouses - on the way to project implementation



In 2018, a site was selected and Troyan Municipality gradually created a greenhouse complex on a municipal property with decommissioned functions (the former Otets Paisii Primary School).

The complex includes:

- 3 tunnel greenhouses, each with an area of 200 m<sup>2</sup> and an irrigation system;
- Apiary of 5 hives, registered according to the Bulgarian legislation;
- 2 open arable plots for growing potatoes, pumpkins and courgettes.

- The total investment in the construction of the greenhouses and the irrigation system amounts to BGN 10 000.
- The project creates employment for local people.



## Greenhouses - on the way to project implementation



In 2019, Technik Partner BG AG, through its CEO Mr. Joachim Weil, constructed and donated a service building for the storage and processing of the vegetables. The building has an area of 162 m<sup>2</sup> and includes a utility room with bathroom, toilet and kitchen area, two cold stores with a room for the preparation of finished products for storage in between, as well as an inventory storage.



# THE IMPLEMENTATION

The municipal plum orchard with an area of 3 acres is located in the land of the village of Dobrodan. It was established in 2013 under a project to hold a cultural event - "Bulgarian Plum Festival". The plantation has entered active fruiting, and the harvested plums are used to produce sugar-free and preservative-free plum marmalade, which is supplied to children's and social kitchens.

In 2019, on a plot - municipal property with an area of 3 acres in the land of the village of Kaleytsa an apple orchard was established.

An apiary of 5 bee colonies was established in 2021.

2013

2018

2019

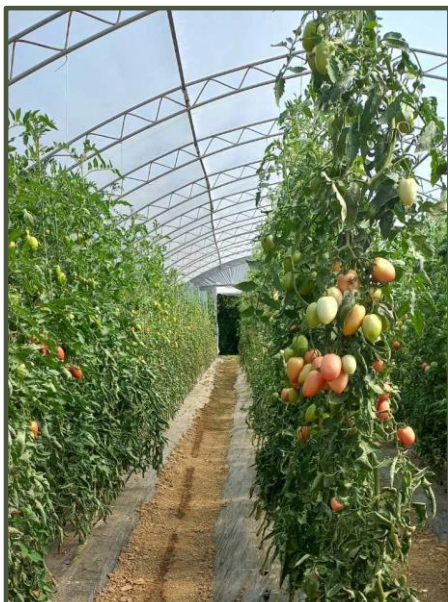
2020

2021

2018 → exchange of good practices under the URBACT programme in Mouans-Sartoux (France) → Troyan Municipality develops a system for own production of ecologically clean fruits and vegetables in order to provide part of the products for the nutrition of children and vulnerable groups using services on the territory of the municipality.

In 2020, 3 tunnel-type greenhouses and a service building with refrigeration, storage and sanitary facilities were built on 4321 m<sup>2</sup> of municipal property.

# Municipal eco-greenhouses and municipal orchards



## Municipal eco-greenhouses and municipal orchards

***Results achieved: The number of children and representatives of vulnerable groups reached by the food is approximately 1300 people (1000 children and 300 adults)***

Fruit, Vegetables and Honey	2021 г.	2022 г.
„Stanley“ plums [ <i>Prunus domestica</i> ]	966 kg. plums and 341 kg. marmalade	-
Apples variety ‘Enterprise’	50 kg.	1900 kg.
Salads	1055 pieces	1040 pieces
Green onion	1280 pieces	1300 pieces
Cucumbers	1165 kg.	2281 kg.
Tomato	800 kg.	710 kg.
Paprika	555 kg.	461 kg.
Zucchini	-	50 kg.
Honey	-	50 kg.





# Municipal gardens are also used for educational purposes

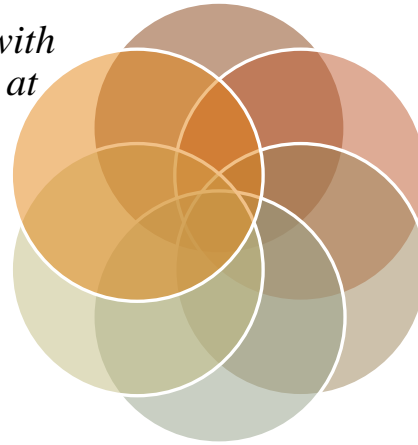


# From experiment to best practice and excellent results

*Sustainable health and social policy*

*Fruits and vegetables with high nutritional value at lower cost*

*Policy on access to healthy food for vulnerable social groups*



*Sustainable agriculture*

*Healthy Child Feeding Policy*

*Innovative practice based on collaboration*





Thank you for the attention!

**DONKA MIHAILOVA**

*MAYOR OF TROYAN MUNICIPALITY*

**WWW.TROYAN.BG**