



# LIFE17 IPE/BG/000012

## LIFE IP CLEAN AIR



### BULGARIAN MUNICIPALITIES WORKING TOGETHER TO IMPROVE AIR QUALITY LIFE Integrated Project 2017



# LIFE IP CLEAN AIR

- **Budget: 16 666 266 EUR**
- **Duration: 72 months: 02/10/2018 - 02/10/2024**
- **Project partners:**
  - Coordinating beneficiary: Sofia Municipality**
  - Association beneficiaries: the municipalities: Burgas, Ruse, Stara Zagora, Veliko Tarnovo, Montana and Club Ikonomika 2000**
- **Web-page:**  
**[www.lifeipcleanair.eu](http://www.lifeipcleanair.eu)**



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# Project duration

2.10.2018

2.10.2024



Phase 1

Phase 2

Phase 3

15 months

15 months

42 months



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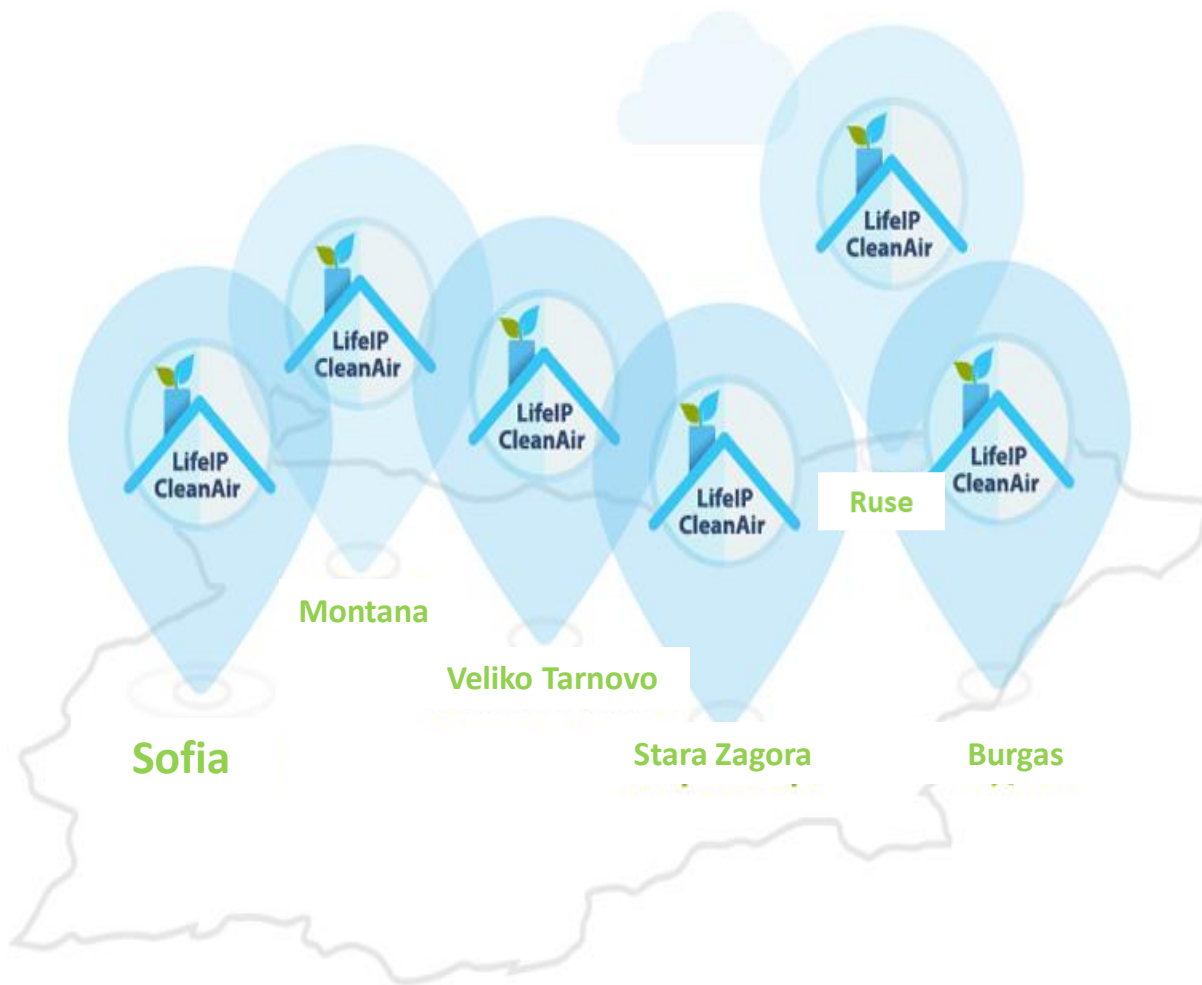
## Project objectives:

- Improvement of air quality in the municipalities of Sofia, Burgas, Veliko Tarnovo, Montana, Russe and Stara Zagora;
- Building and improving the capacity of the administration of the six municipalities;
- Raising the awareness and creating a well-informed community of citizens and NGOs, which is to be a partner, an opponent and corrective of the administration regarding air quality;
- Increasing the capacity of all municipalities in Bulgaria with poor air quality in the matters relating to air quality management;
- Improving the transfer of know-how and experience in the field of air quality through networking with other EU municipalities, responsible institutions, similar projects, etc.



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# Actions

## *I phase - completed:*

### **A. Preparatory actions**

- ***A.1 Analysis of the Air Quality Programs and collection of additional information;***
- ***A.2 Analysis and assessment of household heating as a source of air pollution;***
- ***A.3 Analysis of alternatives for household heating and market research;***
- ***A.4 Analysis of the Target Energy Assistance Program of Bulgaria;***
- ***A.5 Design of a scheme for transition towards alternative forms of household heating;***
- ***A.6 Building the capacity of the coordinating beneficiary, the associated beneficiaries and the stakeholders.***



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# Achieved results in I phase

## Pilot scheme to alternative heating

Developed in the end of 2019 and public discussions/hearings conducted in each of the six municipalities;

6 local offices for administration of the pilot scheme;

Published invitations for participation in the scheme – January 2020

- *On-line calculator*

← → ↻ ⚠ Not secure | moderal.org/OnlineCalc.aspx

1. Какво гориво ще използвате:

Пелети

Газ

2. Каква ще е отоплителната система:

3. Вашето жилище е:

Брой помещения общо	Брой отопляеми помещения с отоплителния уред	Площ на жилището общо (кв. м)	Площ на отопляемите помещения (кв. м)	Височина от пода до тавана средно (м)
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4. Вашето жилище е:

# ACTIONS

## C. Concrete (conservation/implementation) actions

### C.1 Demonstration (testing) of the scheme for transition towards alternative forms of household heating

- *Ruse* – **102 applicants**
  - *Veliko Tarnovo* – **90 applicants**
  - *Montana* – **72 applicants**
  - *Burgas* – **131 applicants**
  - *Stara Zagora* – **198 applicants**
  - *Sofia* – **350 applicants**
- *Ruse* – **63 households**
  - *Veliko Tarnovo* – **58 households**
  - *Montana* – **50 households**
  - *Burgas* – **74 households**
  - *Stara Zagora* – **67 households**
  - *Sofia* – **140 households**



### C.2 Assessment of the pilot testing scheme and finalization of its design

### C.3 Building the capacity of the coordinating beneficiary, the associated beneficiaries and the stakeholders (phase 2)



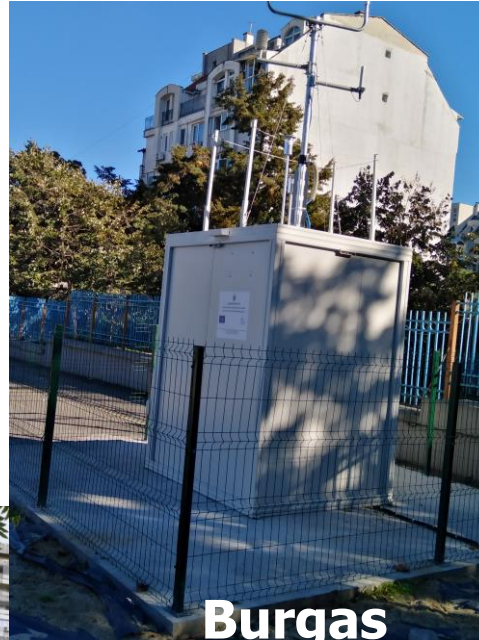
# Delivered 12 stationary air quality control stations for the six municipalities; 10 are installed

- Real-time data collection and management system EDA MiTO
- Web-based network management system for air quality monitoring
- Data base PostgreSQL for historical data archive
- Visualization of the location
- Comparison between stations/ parameters/ visualization

**Ruse**



**Montana**



**Burgas**



**Veliko Tarnovo**



# Actions

*Forthcoming in II phase and III phase*

C.4 Implementation of the transition scheme to alternative forms of household heating

C.5 Assessment of the scheme implementation

C.6 Building the capacity of the coordinating beneficiary, the associated beneficiaries and the stakeholders

C.7 Developing a proposal for implementing the scheme at national level

- Drawing up a proposal for implementing/applying the scheme for transition towards alternative forms of household heating in all municipalities with poor air quality.

D. Monitoring of the impact of the project actions



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# Main transition scheme

**Start** – 2021

3 calls for submission of application forms in 3 years

The number of beneficiaries benefited from the scheme:

- **4785** households in Sofia
- **1388** households in Ruse
- **478** households in Veliko Tarnovo
- **957** households in Stara Zagora
- **1914** households in Burgas
- **478** households in Montana



# Main transition scheme

## Eligible actions and equipment:

- Delivery, installation and putting into operation of the alternative heating equipment, brief training of household, technical assistance;
- Eligible equipment:
  - pellet hot air fireplace
  - pellet water fireplace
  - pellet water boiler
  - gas boiler
  - gas convector
  - steel panel radiators

Uninstalling of old heating devices and transportation to the place for recycling.

# Main transition scheme

- **5-years guarantee and service of the delivered devices;**
- **One-year technical assistance and prophylactic;**
- **Training of the respective household for operating and maintenance of the delivered heating devise.**

[www.sofia.bg](http://www.sofia.bg), [www.burgas.bg](http://www.burgas.bg), [www.ruse.bg](http://www.ruse.bg), [www.starazagora.bg](http://www.starazagora.bg), [www.veliko-tarnovo.bg](http://www.veliko-tarnovo.bg)  
[www.montana.bg](http://www.montana.bg)

[www.lifeipcleanair.eu](http://www.lifeipcleanair.eu)

# Publicity

**Web-page:** [www.lifeipcleanair.eu](http://www.lifeipcleanair.eu)



LIFE - Integrated Project Clean Air



[https://www.instagram.com/life\\_ip\\_clean\\_air/](https://www.instagram.com/life_ip_clean_air/)



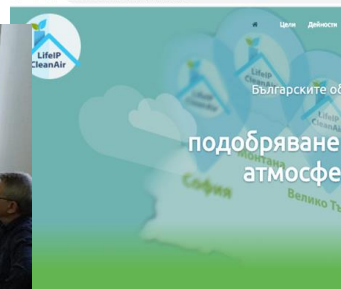
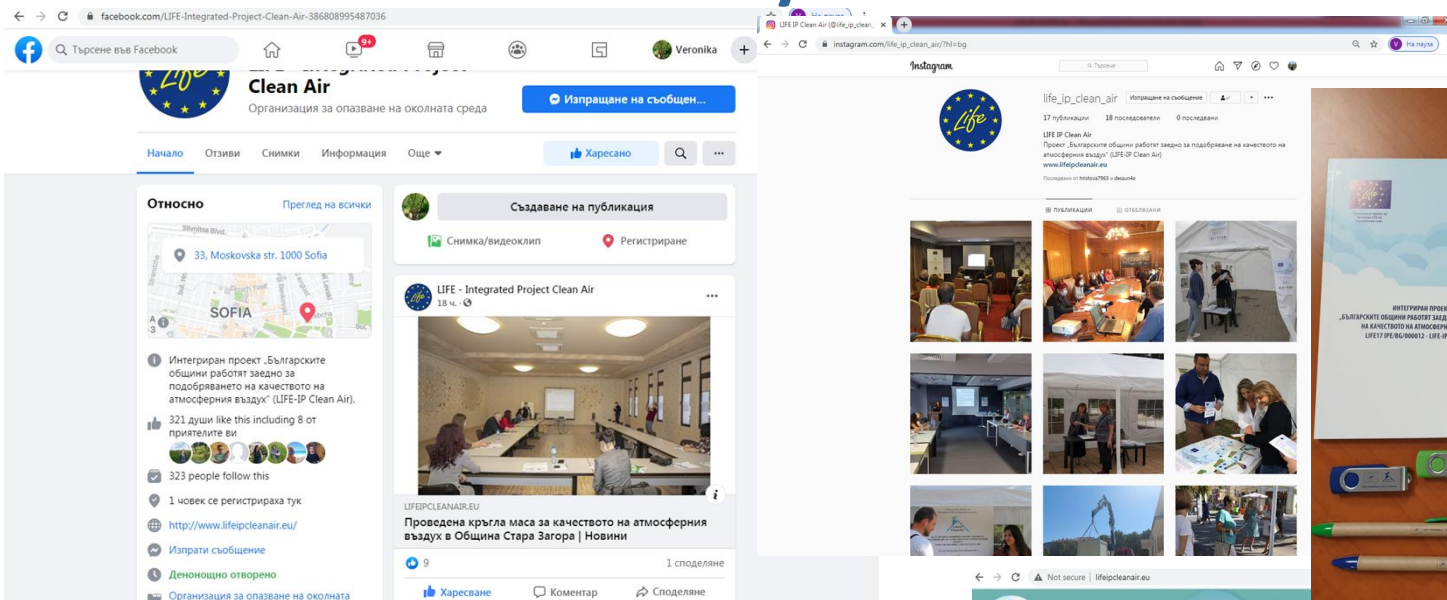
LIFE IP Clean Air, @clean\_ip

[https://www.youtube.com/channel/UC\\_LZ0btuGI58Xz8HPS6I6Ug?view\\_as=subscriber](https://www.youtube.com/channel/UC_LZ0btuGI58Xz8HPS6I6Ug?view_as=subscriber)





# Publicity and visualization





**Thank you for your attention!**

