

Implementation of the Air Quality Plan for Małopolska Region – Małopolska in a healthy atmosphere

Monitoring visit
21st November 2018

### C1. Ecomanagers

#### 60 Ecomanagers – results of work (X 2016 - X 2018)



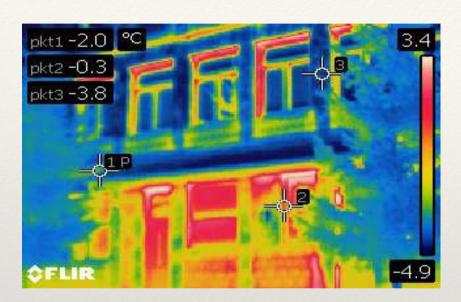


- They provided help and advice for over 373,000 residents (in the office, in the field, by phone and in writing)
- They organized 3,700 meetings for residents, in which 232,500 people took part
- They conducted 1000 lectures in schools with the participation of 43,700 people
- They carried out over 2,300 waste burning controls
- They served 12,000 applications for cofinancing

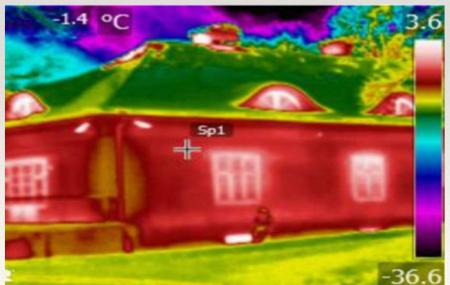


## C1. Ecomanagers

#### They examined a thermal camera of 2,300 buildings









## C1. Ecomanagers – tasks for second phase

## Investigations of ash samples Supporting people affected by energy poverty

Number of visits to homes in terms of analys is of the need to improve energy efficiency - 625

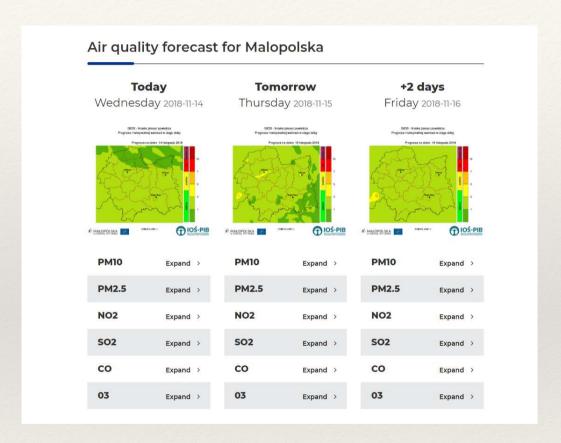


Investigation of ash samples in second phase of the project is not started (heating season is starting now)





## Short-term forecasting of air quality for the Malopolska Region with current assimilation of data from monitoring



Forecasting provided until the end of 2018, forecasts displayed on the project website



#### **Post-graduate studies**



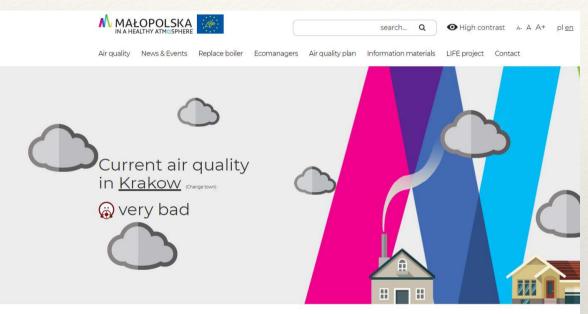
Organization of post-graduate studies for employees of local government units from the Malopolska and Silesian Region area who are not project partners.

Number of people enrolled in the university: 37

First student meeting: 30th Nov. 2018



Training materials and knowledge base for Eco-Managers available free of charge in electronic form on the project website



Since the beginning of the project, the site has registered more than 3.5 million views!

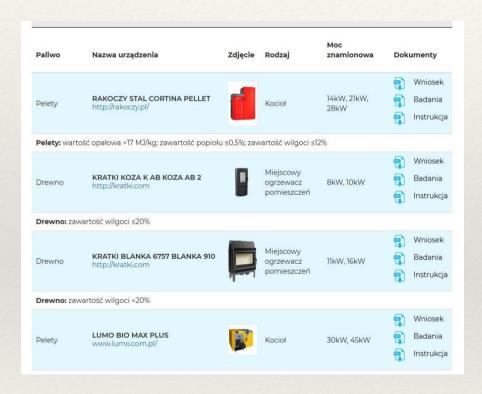


wt-cz 7:30-15:30

vnek 12, 32-050 Skawina



## A database of heating devices for solid fuels eligible for financial suport (Ecodesign standards).



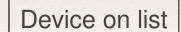
The list already has more than 200 devices

It is used by municipalities from all over Poland

Government interested - it is possible to create a nationwide database

Application of producent

Verification by Marchall
Office and the experts
from certified laboratories





#### **Trainings for Ecomanagers**

- On 12th April, there was a celebration of awarding the best for Ecomenagers
- On 28th May, the Ecomenagers participated in the workshops that took place at the Company of Thermal Waste Recycling in Krakow. A visit was combined with educational workshops in the field of air protection and settlement of the regional operational program
- On 26-27th June Ecomenagers participated in workshops in the field of energy audit and thermomodernization organized in part with KAPE
- On 25th September at the Polish Aviation Museum in Krakow, workshops were held for Ecomenagers and representatives of other interested municipalities of the Małopolska region in the scope of the "Clean Air" government program and low-cost air sensors
- On 30th October at the headquarter of the Marshall's Office, KAPE conducted a workshop on the problem of energy poverty for the Ecomenagers and the social workers





## D.1.Monitoring the effects of the implementation of air quality plan

#### Comparative measurements of low-cost dust sensors

First stage: 15/12/2016 - 20/06/2017, Second stage: 1/11/2017 - 15/03/2018

10 low-cost sensors participated in the measurements. Measurements do not generate costs - producents themselves provide their sensors.

The measurement reports were published collectively on **2nd October 2018** 





# D.1.Monitoring the effects of the implementation of air quality plan

Annual report summarising the implementation of the Małopolska Air Quality Plan by 2017 publicated on 30th October 2018



30 PAŹDZIERNIKA 2018

Podsumowanie działań antysmogowych w Małopolsce w 2017 roku In 55 municipalities that are partners of the LIFE project, 8172 solid fuel heating units were liquidated, which accounts for 81% of all liquidations carried out in 2017 in Malopolska. The effect of pollution reduction in the form of 206.5Mg PM10 dust, 175,3Mg PM10 dust was obtained, which is over 70% the total effect of the ecological reduction of these pollutants in the region and 112kg benzo (a) pyrene, which accounts for 78% of its total reduction. At the same time, the average emission reduction value obtained in municipalities participating in the LIFE project was 6 times (for PM10 iPM2.5) up to 8 times (for B (a) P) higher than for other municipalities in Malopolska



# D.1.Monitoring the effects of the implementation of air quality plan

The Supreme Audit Institution (Najwyższa Izba Kontroli) has recently carried out an evaluation of the Malopolska work. The Supreme Audit Institution positively assesses the activities of the Małopolska Region Self-Government aimed at achieving the required air quality in the region. As good practice, he assesses the method of creating the Air Quality Plan for Malopolska Region and its updating. The NIK report also drew attention to the determination of the Małopolska Region in obtaining EU funds for projects related to improving air quality. PLN 42 million was generated for the implementation of the LIFE project, while as part of the Regional Operational Program of the Małopolska for 2014-2020, up to EUR 420 million was reserved for pro-environmental measures included in the Air Quality Plan.



Najwyższa Izba Kontroli





The fourth round of campaign was running from 01/04/2018 to 30/04/2018.







# Organization of a wide educational campaign among Malopolska nurseries and kindergartens with the involvement of parents.

- Małopolska has purchased 1800 air purifiers.
- The devices went to 1696 branches.
- 98 air purifiers were delivered to provincial hospitals with children's wards.

All donated institutions organized educational campaigns on the subject of pollution

and air protection.





Organization of a wide educational campaign among Malopolska nurseries and kindergartens with the involvement of parents.









## Organization of three family runs promoting the idea of clean air

- Zakopane 3rd June 2018 (75 participants)
- Dobczyce 8th July 2018 (170 participants)
- Kraków 6th October 2018 (751 participants)









Organization of three family runs promoting the idea of clean

air

Zakopane 3rd June 2018

Dobczyce 8th July 2018

Kraków 6th October 2018

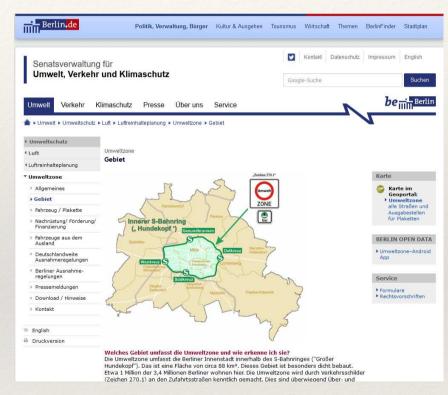






## Organization of a study visit to the Czech Republic in the field of experience related to the introduction of LEZ







Study visit took place on 18-20th June, 2018.

Participants: Malopolska, Śląskie, KAS, Miasto Kraków



#### Co-organization of conference EKOZAKOPANE 3rd June 2018

New ambassadors of clean air

Electric car trip KRAKÓW-ZAKOPANE

**Energy and Environment Forum Ekozakopane** 







#### Organization of regional conference

Series of workshops devoted to co-financing for RES projects Regional Operational Program - Priority Axis 4 Regional energy policy, Measure 4.1. Increasing the use of renewable energy sources, Sub-measure 4.1.1 - Development of infrastructure for the production of energy from renewable sources.



#### 5 meetings in 2018:

- 1. 26th October
- 2. 9th November
- 3. 16th November





## The most important events participated by Malopolska (IV 2018 – XI 2018)

- 23–25th May 2018 headquarter of the United Nations in Geneva (56th session of the Working Group on Strategy and Review (WGSR))
- 13–16th June 2018 in Serock near Warsaw during The C4E Forum (The Central & Eastern European Energy Efficiency Forum) discussion panel "Local action to improve the quality of life"
- 2-3rd July 2018 international workshops on air pollution from housing heating organized by the DG NEAR Directorate of the European Commission and the Slovak Ministry of the Environment in Bratislava
- 10–11th September 2018 Graz (Austria) Workshop on air quality programmes and their effectiveness
- 27th September 2018 Ministry of the Environment and Spatial Planning of Slovenia a conference with the participation of Slovenian municipalities on LIFE integrated projects in the area of "air" (video conference)
- 4-5th October 2018 Vienna the next edition of "CEE Impact Day".



Meetings of the steering committee of the "Skawina Laboratory" project, whose aim is to implement and test the piloting of an innovative instrument in the form of thermomodernization of single-family houses. Malopolska joins the project with an advisory voice







## Comments of the ordinances projects

## Appeals to the prime minister (widely commented on in the international media)



Kraków, dnla 20.08.2018

znek sprawy: SR-V.7013.1.18.2018

Mateusz Morawiecki Prezes Rady Ministrá



Koleiny raz zwincam się z spełem o wprowadzele ir gryprystycznych nom jakościowych id paliw stabych dycauzzonych do storowanie w skotore bytowe-forundnym. Zdejodkowych id paliw stabych cybryczejonia o storowanie w skotore bytowe-forundnym. Zdejodkowych dia paliw stabych c dniu 26 lpcu 2018 wezaja 1.0 aktorowany do komu traj pierwem z dna 1.3 serpnia 2018 r. Rozporządzenie w wesija loczek/wanej przez społeczekow na doprowadzie do wysiminowania z zyrpku weglia o 25 lg jeloded croz ośpatów węglowych. Project oprozzadzenie zaproponowany przez 14 firstler Einstrü ile spełekin naczók. W zdefym oczekławym przez 21 firstler Einstrü ile spełekin naczók. W zdefym oczekławym przez mieszkańcko w twatch samorządowe zakniele. Powierie oceniam rozwiszacje udakany o systemie monitorowania i societosowania jakosci paliw. Jednak to ję naporządzenie wykonowezenie podporzenie okreckić parametry jakoskowo paliw zażych opuszczonych do sprzedazy. Bez wprowodzenie cestykolytych oposity in vzporzadzany wysieki koty wkoczno w przygołowanie przepisow zastanie a zprzepisaczony. Powyskay projekt rozporządzenie in de daje realinej zastany na powieru jakoscie powietrza. Obecnie ne obowiącają żache nostale. Jednak sprzedaże paliw dej jakoski. Wiejecie w życie ezporządzenie oprajektowanym kontribu, bycho ecoporządzenie oprajektowanym kontribu, bycho ecoporządzenie oprajektowanym kontribu.

Konstytusytyym obovieczkiem władz publicznych jest zwalezanie chorób i zapoblogowie rogątywnym uż adowa słukom oragadacji śnodowiaka (art. 80 ust. 4 fortytusji) oraz oci zmośrodowiska (art. 74 ust. 2 Konstytucji). W zwłązku z powystażym obowiązkiem władz jest podjęcie dzialaki, które ogranicza pocitro zakieczyczenia powietrza oraz ich nagadywny wpow na dzirowie ludzi na środowiska. Belnieje wiele dowodów natukowych potwietrzających, ze zakowo dugołemniowe. Jak 1 suchodomniowa nazadzenia na zaworzyszczene pytami zawieszony w prowadzi do przewodowosnych ganow, ścioczeł uładau czępa a i układa oddechowego, w zwiętczonej lizach postają lizacji oraz przyjęci na oddośloski naturkowych w wyniku zawiłu serce naz udaru mócgu. Dodadowo bezodającine jost substanioj o slinych własnościach mutagenných i kanoanogannych (przyszynia się m.h. do naka płuc). Głowną przyczyną planieczyszczenia powietrzaj last cyszwanie pospodarste domowych pałmami latajny; lizacja jakodo nie spełnie zadnych nom. 70 dlatego lak latotne jest wprzywadzenie przepisów ogna czających a zarodata zakie w bij jakodoś.

Joéli rozporządzenie wejedzie w życie w zaproponowanym przez Ministerstwo kształcje to w sprzedacy pozostanie wejeli o niskla, kateryczności – 17 ML/kg, jednocześnie o berdze wysokiej zawaności siarki – naweł 2,1%. Rozporządzenie dopuszcza do sprzedacy miał o zawaności, popidk, równę naweł 31%, a wilippci równej naweł 27% § to podstawowa

i I Bauctowo 22, 35-155 Cwlater edite do komponicanoje I. Haolawicka UL, 50-517 Krakov



Bloomberg

Secretary Raab Quits U.K. Cabinet in Severe Blow to Theresa May Read More

Technology

## Poland Backtracks in \$28 Billic With EU's Worst Smog

By Maciej Martewicz

21 sierpnia 2018, 16:35 CEST Updated on 22 sierpnia 2018, 11:27 CEST

- ▶ Energy Ministry proposes norms for coal used by households
- ▶ Malopolska region, green groups protest Ministry's plan



You have 9 free articles remaining. Subscribe for unlimited access.



Warsaw enveloped in smog in March 2018. Photographer: Jaap Arriens/NurPhoto via Getty Images

Cooperation with the World Bank as part of the project "Catching up Regions"



**Recomendation for Government** 



The Govermental Clean Air Programm



**PROGRAM** 

## CZYSTE POWIETRZE

w trosce o zdrowie, klimat i środowisko!

Dofinansowanie nowych źródeł ciepła i termomodernizacji budynków jednorodzinnych



## E4. Promotion of project implementation

Malopolska on the occasion of Green Week 2018 has prepared an information bulletin aimed at promoting good practices, experiences and results of the project, in particular the idea of employing ecomenagers by local self-governments. The bulletin was distributed to about 3 thousand local governments in Poland at the municipal and regional level.





### E4. Promotion of project implementation

Ecomenagers decided to conduct classes at schools, where they told not only about matters related to air quality, but also about their daily work and why they became "specialists in clean air". **More than four thousand young people** from all over Małopolska took part in the events organized by Ecomenagers!







### E4. Promotion of project implementation

## Clean air day on 14 th November – children from all Malopolska were writing lists to neighbours





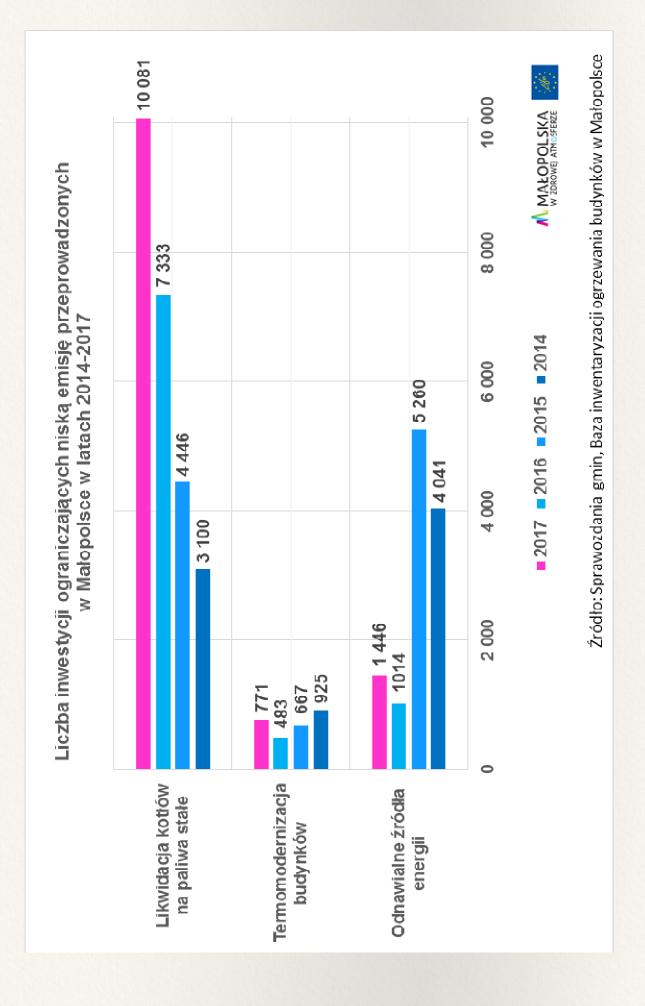


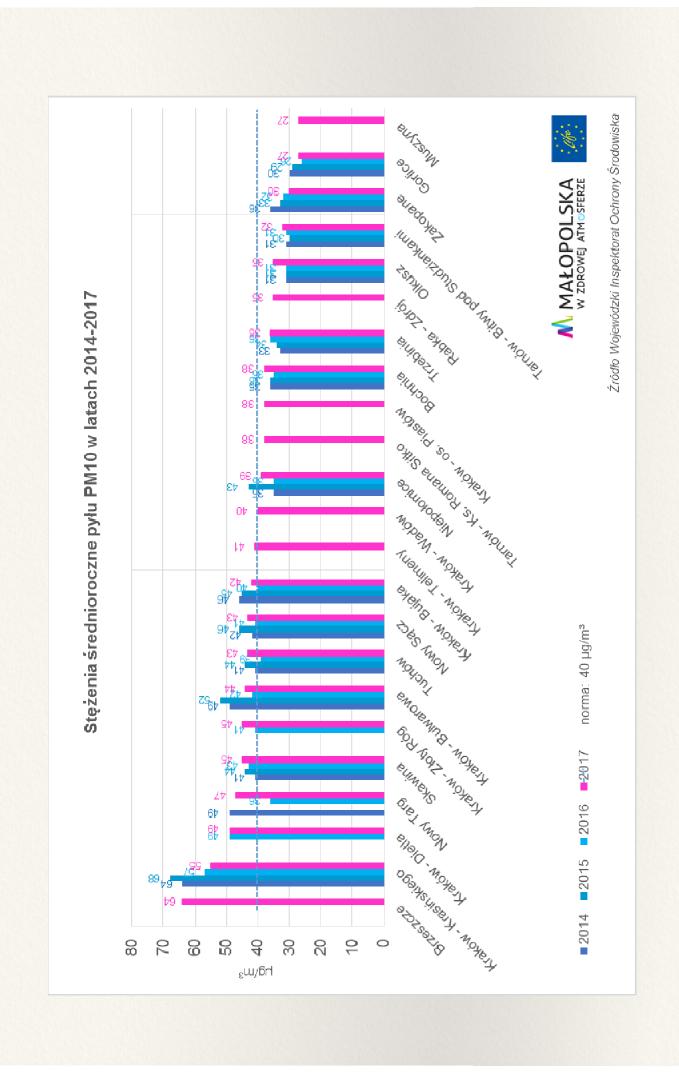
## F.1. Project managing

#### **Problems**

- Problem with tranche heights (20%)
- Problems with the remuneration of Ecomenagers
- The 2% rule limiting for municipalities
- Problem with public tenders (regional campaign)







# Decrease of pollution level

	Aleja Krasińskiego station	kiego station
Year	PM10 annual average concentration [µg/m³]	Number of days with exceedances of the daily limit values for PM10
2006	96	249
2017	55	130
The m	The maximum allowed number of days with exceedances: 35	seedances: 35