



# Rehabilitation of buildings and removal of asbestos

*Podkarpackie/Poland*

**Piotr Pawelec**

Rzeszów Regional Development Agency

[piotr.pawelec@ide-a.pl](mailto:piotr.pawelec@ide-a.pl)

11 January, 2017 | Vilnius meeting

# Problem



# Problem <sup>(1)</sup>

Poland was one of the countries where asbestos was widely used for many years.

It is estimated that from 1952 to 1997 1.75 million tonnes of raw asbestos were used in the manufacture of asbestos-containing products and in industrial installations.

Some 90% of that quantity was chrysotile, imported mainly from the USSR, the remaining 10% was crocidolite and amosite imported from Africa.

# Problem <sup>(2)</sup>

The largest share of asbestos (some 65%, mostly chrysotile) was used for asbestos-cement products assigned for the construction industry (such as flat and corrugated roofing sheets and wall linings).

According to estimates, some 1.2 billion m<sup>2</sup> of these products still exist. Crocidolite was used mostly for the manufacture of pressure pipes, one of more than 1 500 asbestos-containing products.

# Problem <sup>(3)</sup>

In 2002 there was 15 million tons of inventoried asbestos in Poland.

In addition only 30 percent of asbestos containing products in Poland are thought to have been inventoried, meaning that it is uncertain as to where the asbestos is located.

Most of asbestos was used as roofing in private households.

People not always realise how serious is the problem of asbestos is.

On the other hand even if they do they often do not have will and money to remove asbestos (as it requires special treatment and processing).



# Programme for Asbestos Abatement in Poland 2009-2032 <sup>(1)</sup>

In 2010 Council of Ministers adopted Resolution No. 39/2010 of the Council of Ministers of 15 March 2010 on „Programme for Asbestos Abatement in Poland 2009-2032”  
Aims:

- 1) removal and disposal of products containing asbestos;
- 2) minimizing adverse health effects caused by the presence of asbestos on the territory of Poland;
- 3) eliminating negative effect of asbestos on the environment.

# Programme for Asbestos Abatement in Poland 2009-2032 (2)

## Main areas of implementation:

- 1) legislative activities;
- 2) education and information activities addressed to children and youth, trainings for employees of government and self-government administrations, development of training materials, promotion of technologies for the destruction of asbestos fibres, organisation of national and international trainings, seminars, conferences, congresses and participation therein;
- 3) activities related to the removal of asbestos and products containing asbestos from the constructions, public amenities and sites of former asbestos products producers, cleaning the premises, building landfills and installations for the destruction of asbestos fibres;
- 4) monitoring of the Programme implementation by means of electronic spatial information system;
- 5) activities in the area of exposure assessment and health protection.

# Financial aspects of the Programme (1)

## Costs:

- 14.5 million tonnes of asbestos products remain to be removed and the total cost of their dismantling and transport as well as disposal of produced waste containing asbestos is estimated to amount to approx. PLN 40 billion;
- cost of building 56 landfills and landfill sectors for asbestos-containing waste has been estimated to amount to approx. PLN 260 million;
- financial resources from the national budget, at the Minister of Economy's disposal, allocated to support: development of plans for asbestos-containing products removal, education and information activities and the Programme monitoring, amount to PLN 53.2 million (0.13%);
- financial resources of self-government units allocated to develop and update the plans for asbestos-containing products removal and education and information activities are estimated to amount to approx. PLN 40 million (0.10%)

# Financial aspects of the Programme (1)

## Sources of financing:

- loans and subsidies from the resources of national environmental protection funds, the beneficiaries of which are self-government units;
- EU funds;
- Commercial and preferential credits (with lending rate subsidised from voivodeship environmental protection and water management funds).

## Regional solutions in Podkarpackie region

Regional Fund of  
Environmental Protection  
and Water Management in  
Rzeszów



# Removal of products containing asbestos programme

Programme partially financed from the sources of National Fund of Environmental Protection and Water Management

**Beneficiaries:** municipalities that have inventories of asbestos and local programmes of asbestos removal

**Form of support:** grants up to 85%

**Supported actions:** disassembly or gathering, transportation, neutralisation, and disposal of products containing asbestos

# Results of the programme

Year	# of projects	Projects general value (thousand PLN)	Grant from Regional Fund (thousand PLN)	Grant from National Fund (thousand PLN)	Grant total (thousand PLN)	Weight of neutralised and disposed asbestos
2011	23	1 285,49	447,34	639,03	1 086,37	2 641,58
2012	71	2 431,24	931,36	1 330,68	2 302,27	6 454,76
2013	115	3 382,10	1 183,74	1 691,05	2 874,79	9 169,73
2014	131	2 928,24	919,97	1 314,24	2 234,21	7 643,00
2015	125	3 112,97	977,06	1 395,81	2 372,87	8 468,75
Sum:	465	13 140,04	4 459,47	6 370,81	10 870,51	34 377,82

# Practical issues: case of Brzostek Commune

- All actions connected with asbestos are 100 % free for people. However, they have to cover expenses of new roofing/pipes etc. (whatever was removed within the project)
- People often mistakenly indicated incorrect plots of buildings with asbestos roofing;
- After setting a date for removal of asbestos people often cancelled it saying they don't have new roofing yet;
- It is difficult to convince people to remove asbestos products because they used to live with it for a long time and "nothing wrong happened".
- In other project there is a possibility of financing solar collectors and PV modules for inhabitants. As a precondition for this project it is necessary to have all the asbestos roofing removed to qualify for financing





**BUILD2LC**  
Interreg Europe



European Union  
European Regional  
Development Fund

Thank you!

Piotr Pawelec  
[piotr.pawelec@ide-a.pl](mailto:piotr.pawelec@ide-a.pl)

