

# **Asbestos: Practice of use in Kyrgyzstan**

A review of the research

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# Main Asbestos Using Countries

The 4 main countries using Chrysotile asbestos:

- Russia: 1.000.000 Tons in 2009
- China: 380.000 Tons in 2009
- Brazil: 288.000 Tons in 2009
- Kazakhstan : 230.000 Tons in 2009

Users of Chrysotile asbestos:

1. Russia and all countries of the EECCA
2. Developing Countries; China, India, Brazil, Thailand, Nigeria, Angola, Mexico, Uruguay, Zimbabwe, Algeria, Colombia, Vietnam, Pakistan....

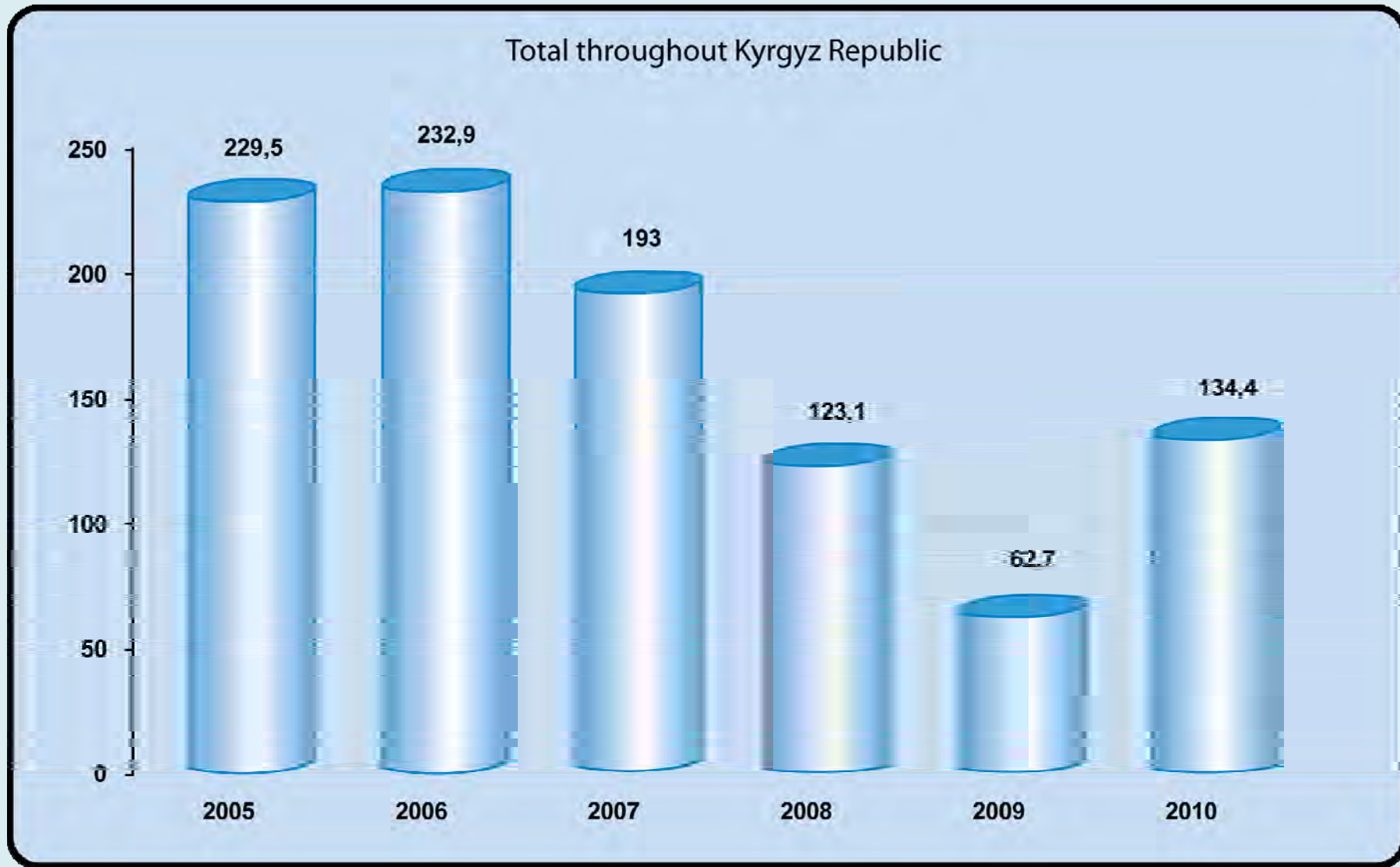


# Kyrgyzstan

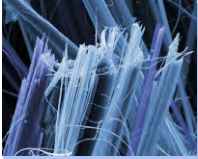




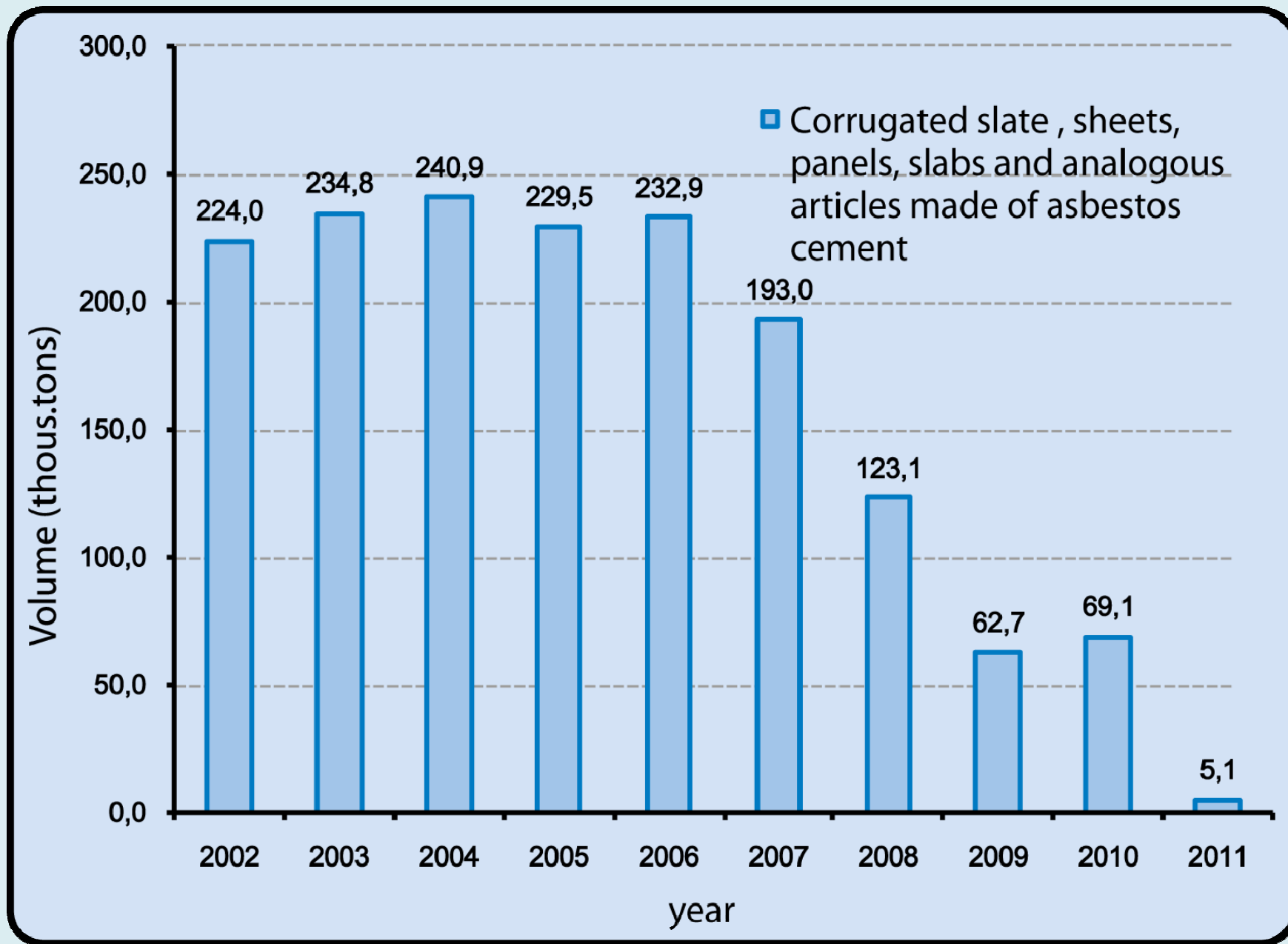
# Production of corrugated asbestos, sheets, panels, tiles and similar products made of asbestos in thousands of tons



Data from the State Committee for Statistics



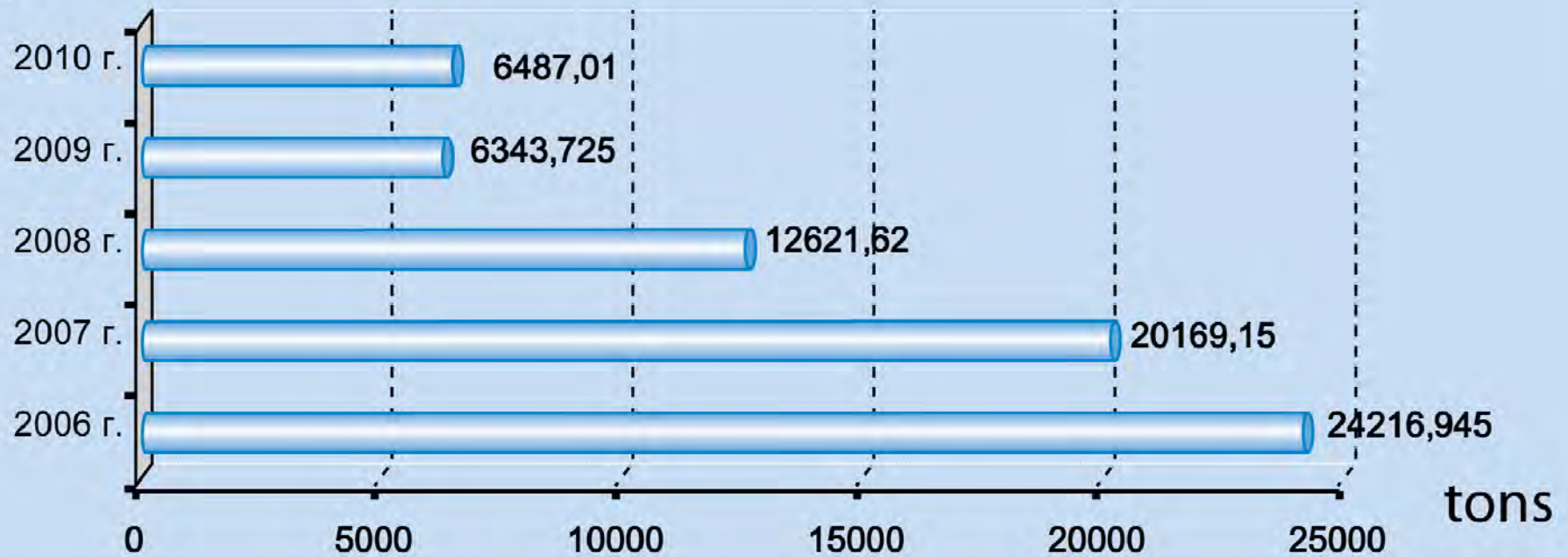
# Manufacture of other non-metallic products made of asbestos in thousands of tons.





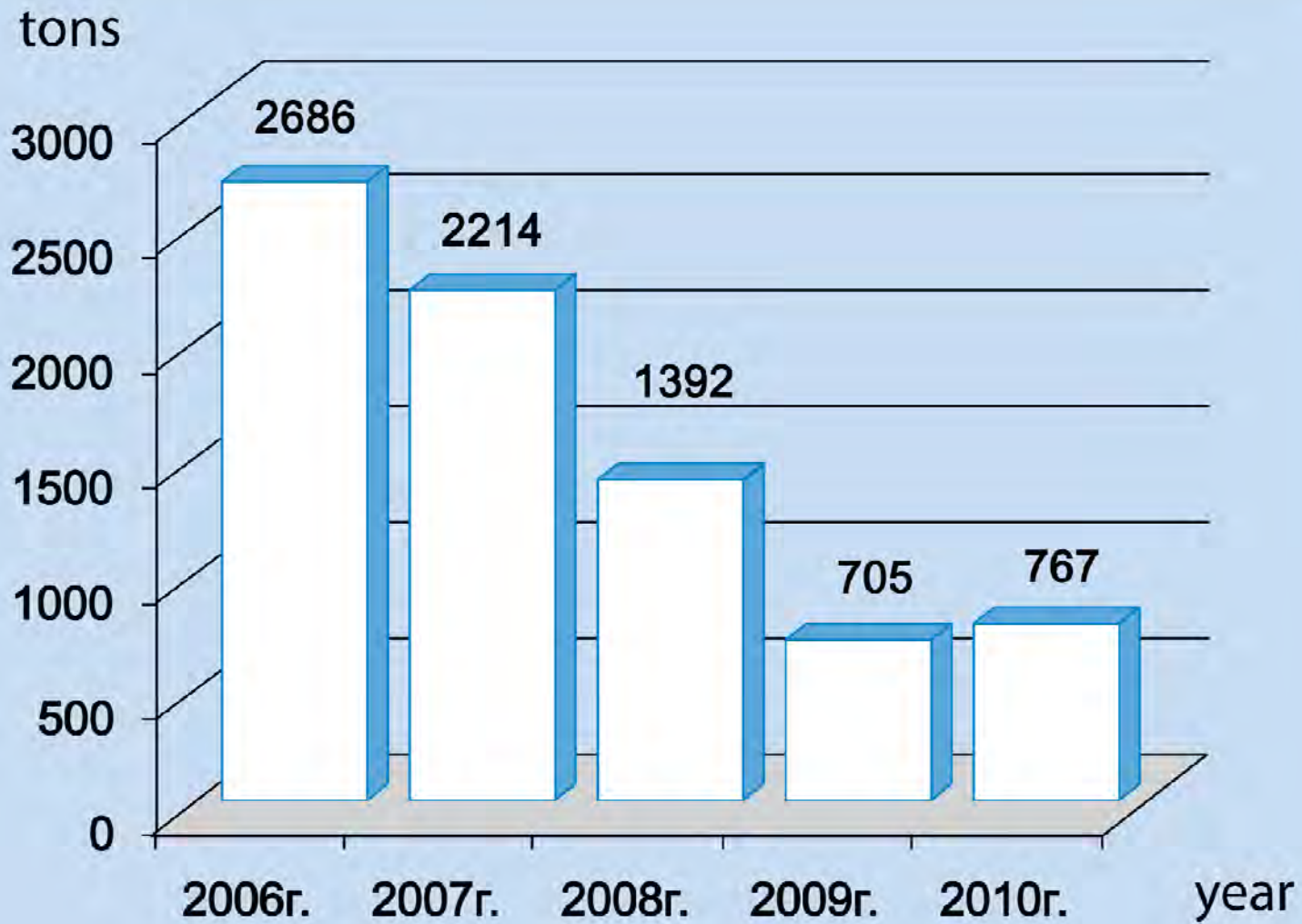
# Quantity of asbestos consumed in the manufacture of asbestos slate

year

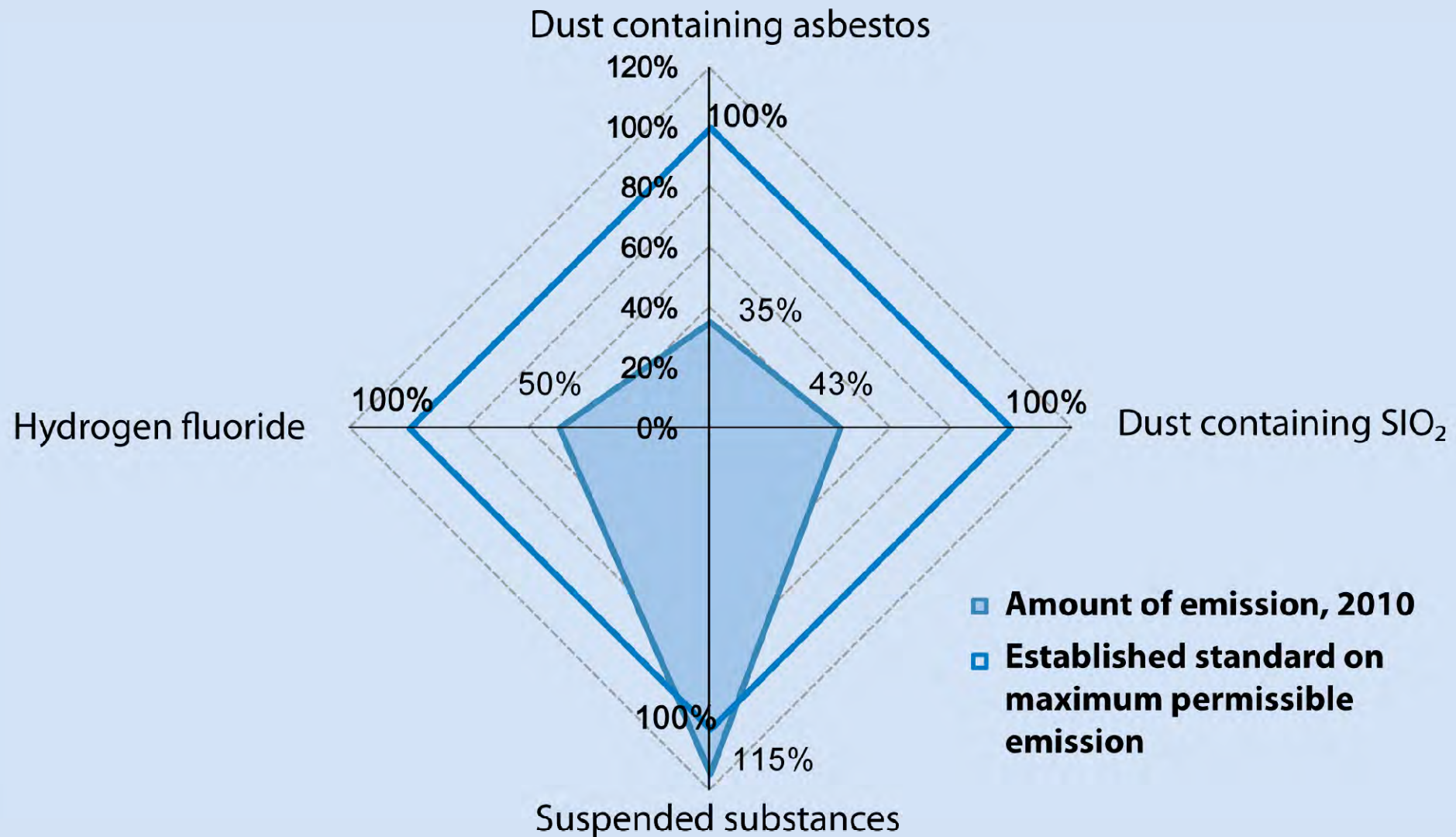




# Quantity of waste from production



# Comparison of emissions with established standards in 2010





# Asbestos-containing materials in Kyrgyzstan







# Lectures on hazardous impact of asbestos in the Medical Academy





# **Program and the Governmental Plan for transition to sustainable development (2013-2017 years).**

- **Intersectoral collaboration** between - *Environmental Agency, Ministries of Economy, Health, Emergency, Agriculture, Customs, Local Government*
- **The development of management measures and handling of hazardous chemicals and waste in the residential and workplace**
- **Interdepartmental working group to establish the Interdepartmental Commission for Control of Chemicals**



# Recommendations

## For the Kyrgyz Republic

- **State Polices**
- Develop and implement a national program for diagnosis, to reduce and eliminate asbestos-related diseases in collaboration with WHO and ILO.
- The Kyrgyz Republic should ratify the Convention № 162 ILO.
- Ensure coordination between different ministries, researchers, civil society and businesses on reducing risks of asbestos.
- Provide unhindered access to information and awareness on all aspects of the potential risks of asbestos production and usage.
- Ensure public control of the working environment of businesses and technologies of waste disposal.



# Recommendations

## for the Kyrgyz Republic

### Science and scientific research

- Undertake the identification and careful examination of the health impact of all activities related to asbestos.
- Ensure asbestos-related diseases are accounted for in medical statistics.






# Recommendation

## For the Kyrgyz Republic

### Economy and Industry


- Develop programs and action plans to reduce the dust content of air in the working zones of enterprise and industries that use asbestos and asbestos-containing materials.
- Provide adequate protection for workers, the public and the environment of Kyrgyzstan on the potential dangers of asbestos.
- Monitor working conditions in enterprises, involving sanitary and industrial and environmental laboratories.
- To monitor the health of workers, to take measures to prevent occupational diseases and further improve working conditions.



# Recommendations for Focus Groups

## For the population


- If you use a slate and other products using asbestos, take precautions: When sawing products, use protective equipment, cover the paint or other binding compositions of slate and other asbestos-containing products;
- When selecting building materials, study the market and use materials which can be possible substitutes for asbestos (be confident in their security);
- Do not dispose of asbestos debris on the street, do not keep it in the house, throw construction materials into a specified landfill;
- For the collection of asbestos waste, sealed containers must be used - containers, bags or other containers to prevent ingress of dust into the environment;
- When performing construction work in your home, avoid the use of asbestos-containing materials;
- If your house already has asbestos, do not try to remove it on your own. Contamination via fibers during removal is a dangerous hazard;
- Significantly reducing exposure to asbestos is possible by isolating it with another material. For example, in the case of the insulating coating of pipes, use a special tape, paints, varnishes and other coatings over its surface.



# Recommendations for Focus Groups

For politicians and state officials

- Aim for higher standards of safety in the use of asbestos;
- Pay close attention to ongoing research and monitoring of enterprises using asbestos;
- Look for ways to expand public access to information concerning the harmful effects on citizens' health and the environment;
- Develop programs at different levels with a specified budget with respect to matters of chemical safety.
- Enact the decision taken at the 5th Ministerial Conference on Environment and Health (Parma, 10-12 March 2010), regarding the need to develop national programs for the elimination of diseases related to asbestos by 2015.



# Recommendations for Focus Groups

## **Specially authorized bodies in the area of health and environmental protection**

- Strengthen control over the sources of production of asbestos materials, with regular control measurements of emissions, efficient gas and dust filtration installations, as well as the collection and disposal of asbestos waste;
- Develop and maintain a National Cancer Registry of Kyrgyzstan;
- Conduct regular monitoring of preventive and periodic medical examinations;
- Strengthen control over the conditions in the workplace of enterprises using asbestos and asbestos-containing materials;
- Use modern methods to determine asbestos fibers in air;
- Implement the requirements of international agreements governing the import and use of amphibole asbestos groups and products containing it, which the country has already ratified.



**Thank you  
for your  
attention!**