

Distribution of BAT/BEP in waste management in regions of Russia and EurAsEC



Mr. Vladimir Maryev

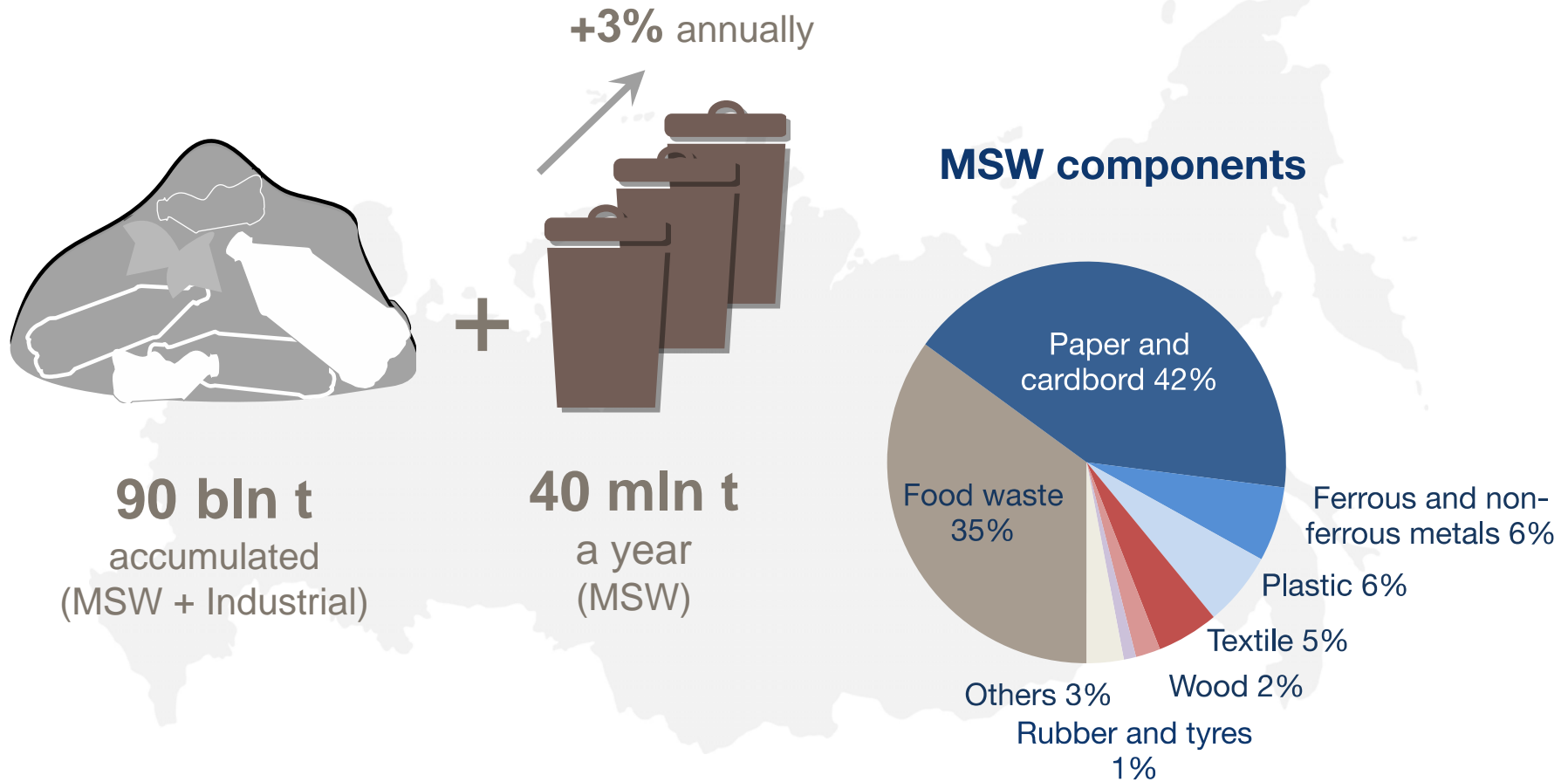
Director of International Center for Best Environmental
Technologies, Independent Non-profit Organization

Moscow, Russia

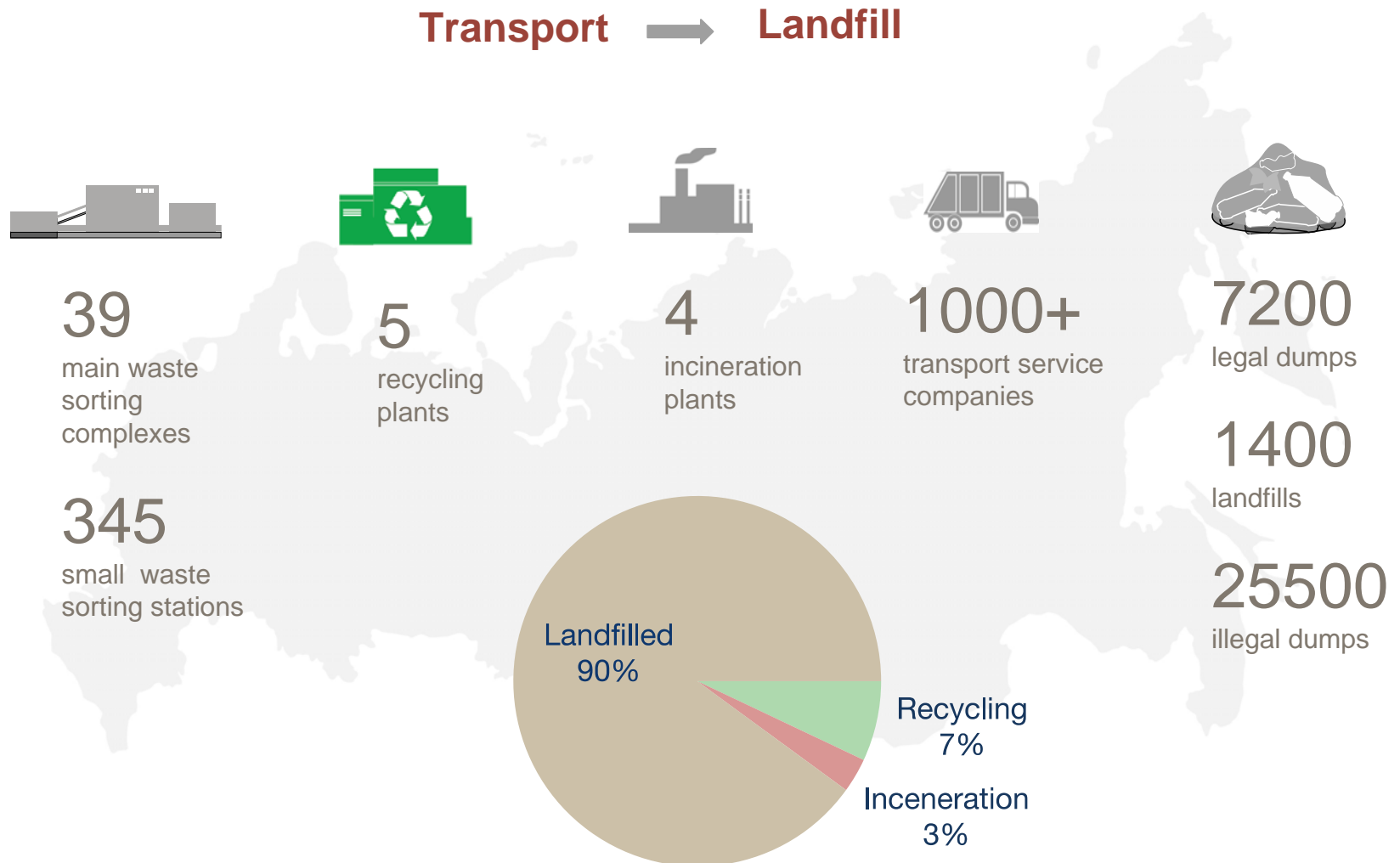
IPLA Global Forum, 5 – 6th Sept, 2012

Seoul, Korea

Russia: Industrial and Municipal Solid Waste



Current WM practices in Russia

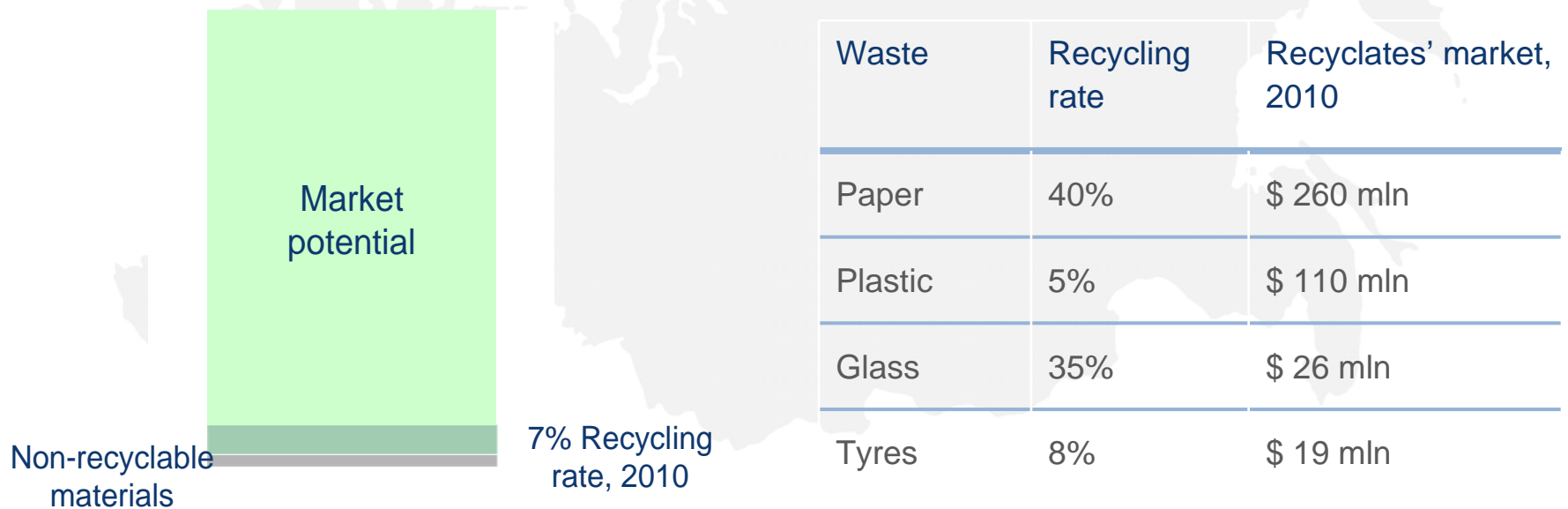


Russian market potential (1)

Reduce → Reuse → **Recycle** → Recovery → Landfill

MSW recycling market reached **\$1.5 – 2 bln¹** in 2010

Main components²

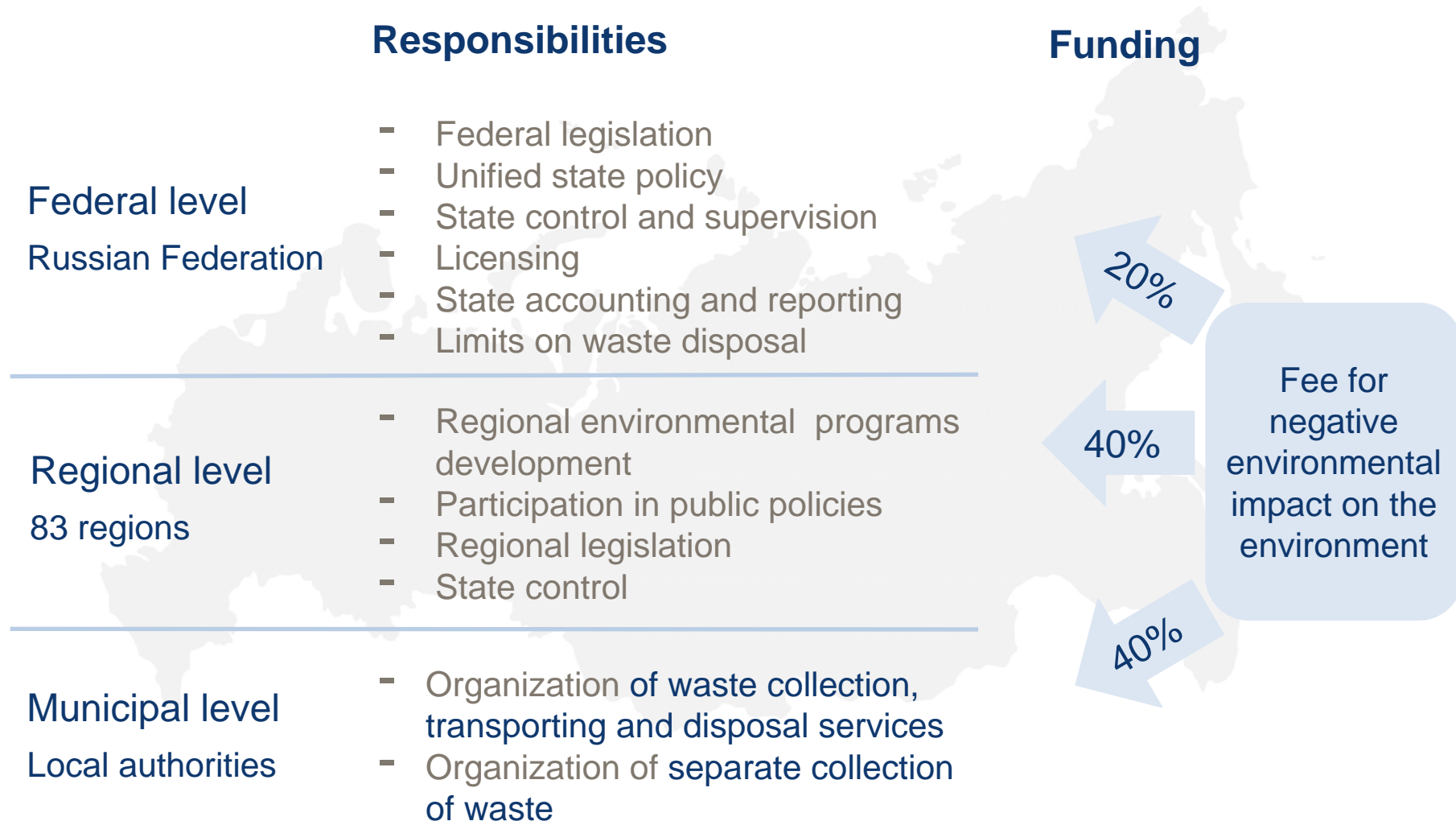


Russian market potential (2)

Reduce → Reuse → Recycle → **Recovery** → Landfill



Russia: Governmental role and responsibilities



Russian legislation

24th June 1998

Federal Law No. 89-FZ «Concerning production and consumption wastes»

The **basic environmental law**, defines the main approaches and definitions in Russian WM

Recent legislative initiatives

6th June 2010

The President's order of the RF No.Pr-1640

To **encourage producers to reduce negative environmental impact**, BAT application, enhancing the efficiency of state environmental monitoring organization

21st June 2011

The list of orders of the President of the RF on the results of State Council Presidium meeting in Dzerzhinsk City

To **improve** existing environmental legislation

4th March 2011

The resolution of the government of the RF No.148 – amended act

The **Efficiency Assessment Methodology** of environmental policies implemented by **regional governments** has been introduced

29th March 2011

The President's order No.Pr-781

Regions have to develop their **regional WM programs**

28th July 2012

Federal Law No.128-FZ

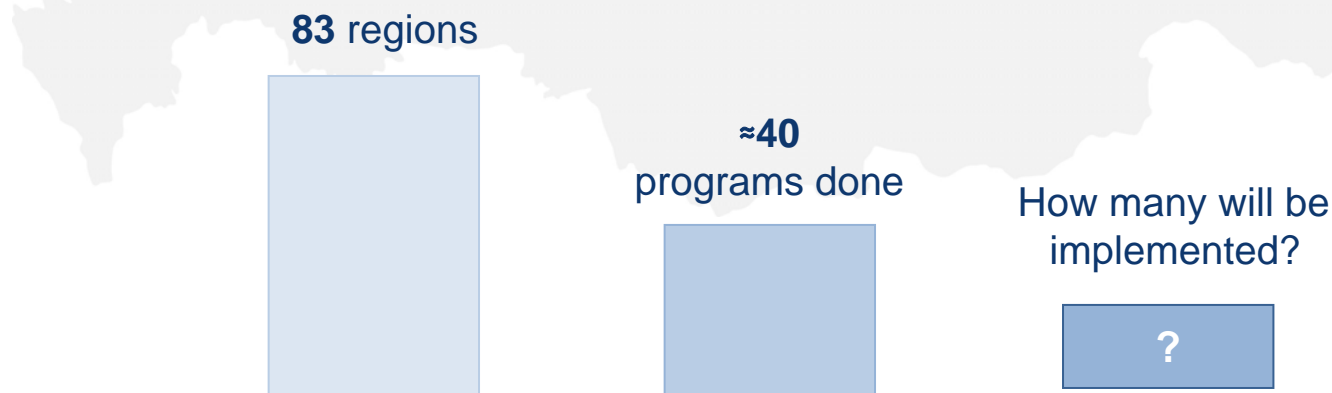
Charge for disposal of transport vehicles – **first step to EPR**

Main imbalances of Russian legislation (1)

1. Environmental legislation and waste treatment legislation are not separated from each other

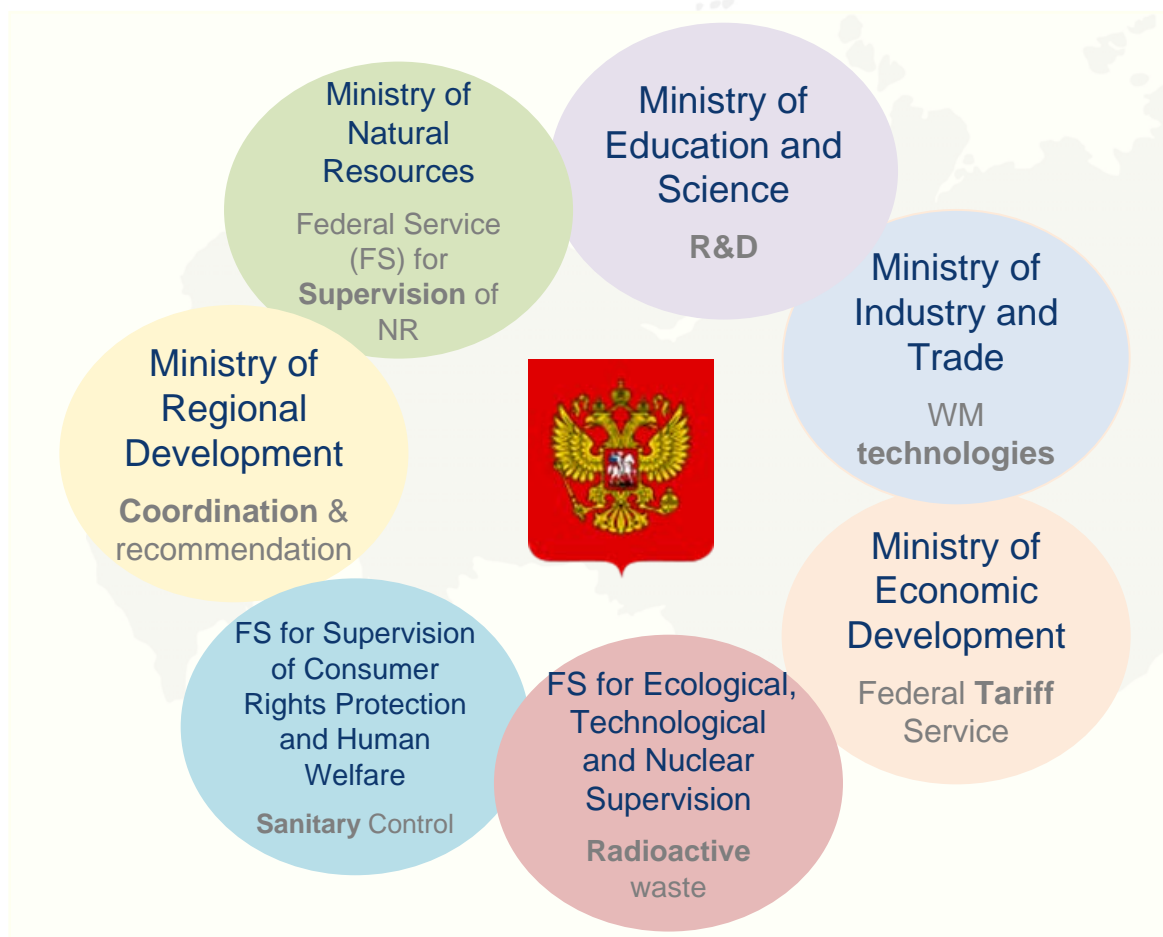


2. Economic incentives are not sufficient and not properly implemented



Main imbalances of Russian legislation (2)

3. Bad allocation of the functions between the federal, regional and local authorities



- There is no single authority fully responsible for waste management policy
- Main functions of waste collecting and recycling are under municipal authority control which is badly performed due to lack of financing

Trends in Russian waste industry

Russian government is working at amending legislation

BAT/BEP implementation in pilot regions

Market structuring and business activities enhancing

Federal government efforts aimed at eliminating illegal dumpsites

Public non-commercial organizations' activities increased

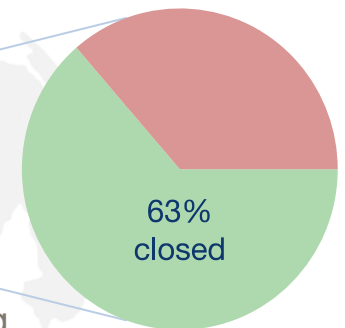
- Economic incentives to develop the market of secondary material resources
- EPR for the final disposal of some products and packaging materials

Since 2010 waste separate collecting and recycling project has been successfully implemented in the Moscow Region (in collaboration with Finnish company)

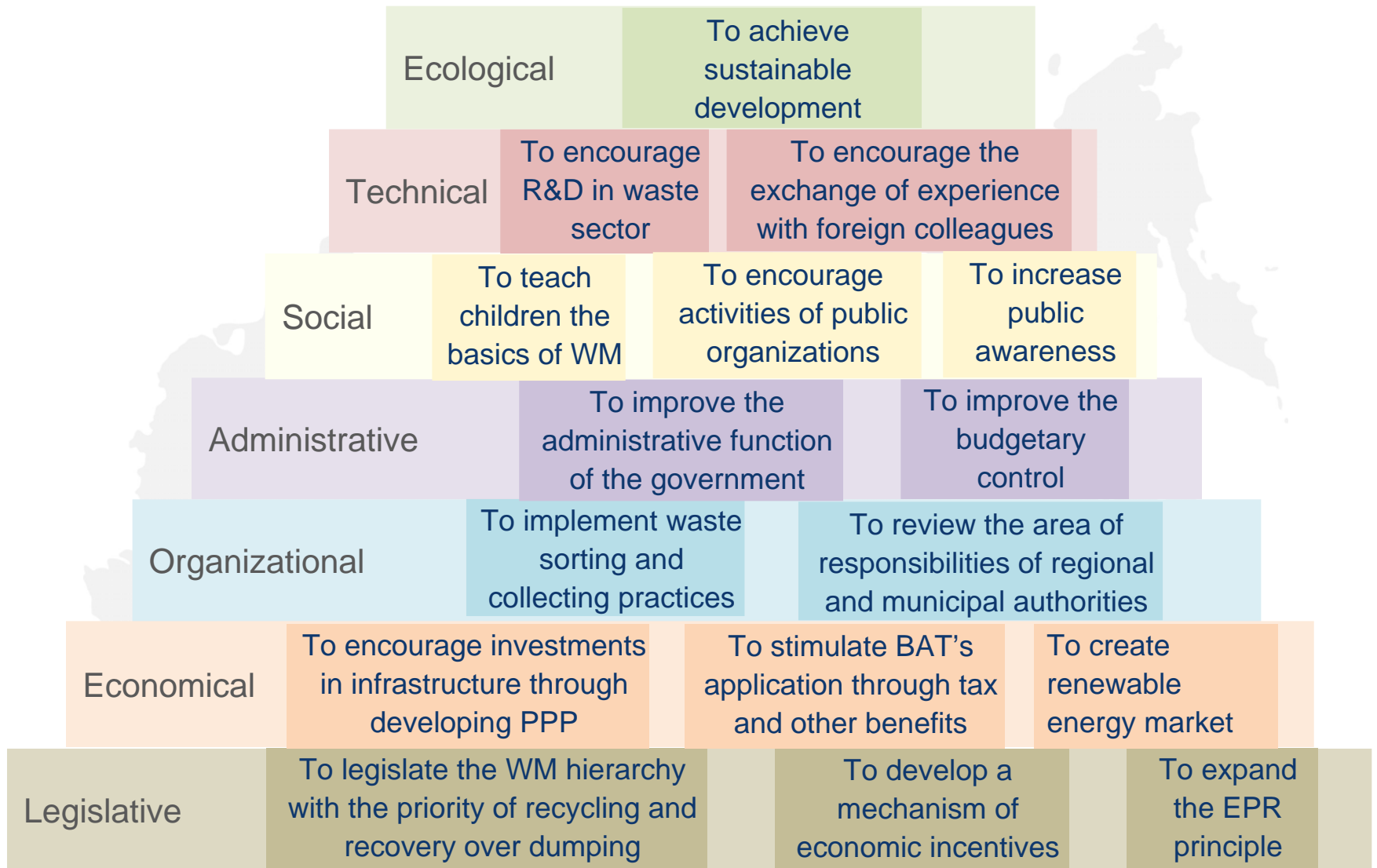
The Association of Recycling companies of Russia was created in 2011

33778 illegal dumpsites detected in 2012¹

- Public involvement events promoting separate collecting and recycling of waste
- Educational projects
- Waste removal activities



Main tasks in developing WM in Russia



The role of International Center for BAT/BEP





Unified Information Analytical System (UIAS)

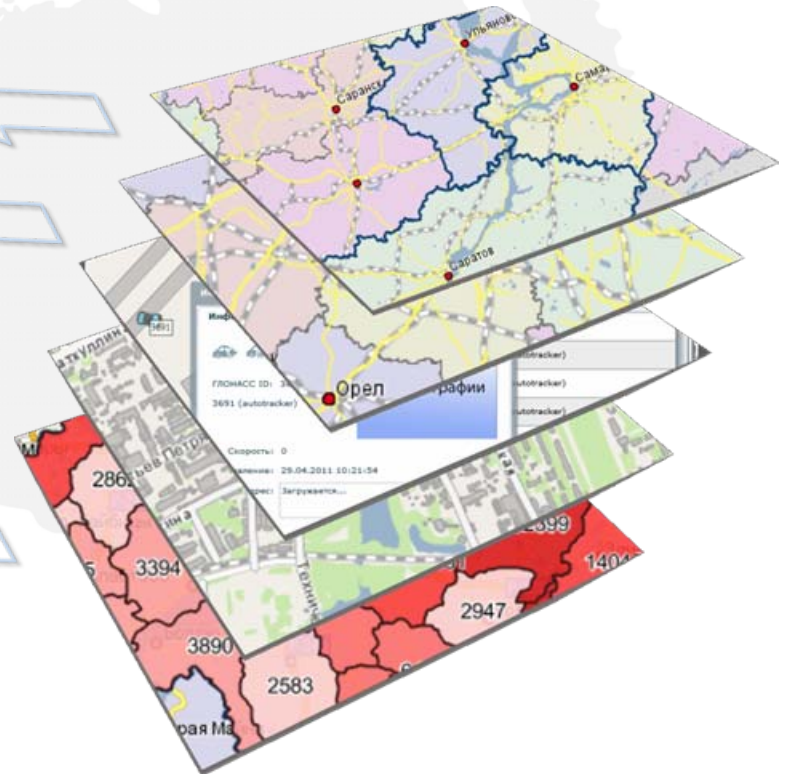
What is it?

Web-resource that collects global data about waste industries and organizes them in special thematic layers

What for?

To provide market participants with full and up-to-date information: business, authorities, experts, R&D organizations, etc.

Regional WM systems
Waste processing facilities
Waste tracking data
Waste collection points
Statistics of waste production

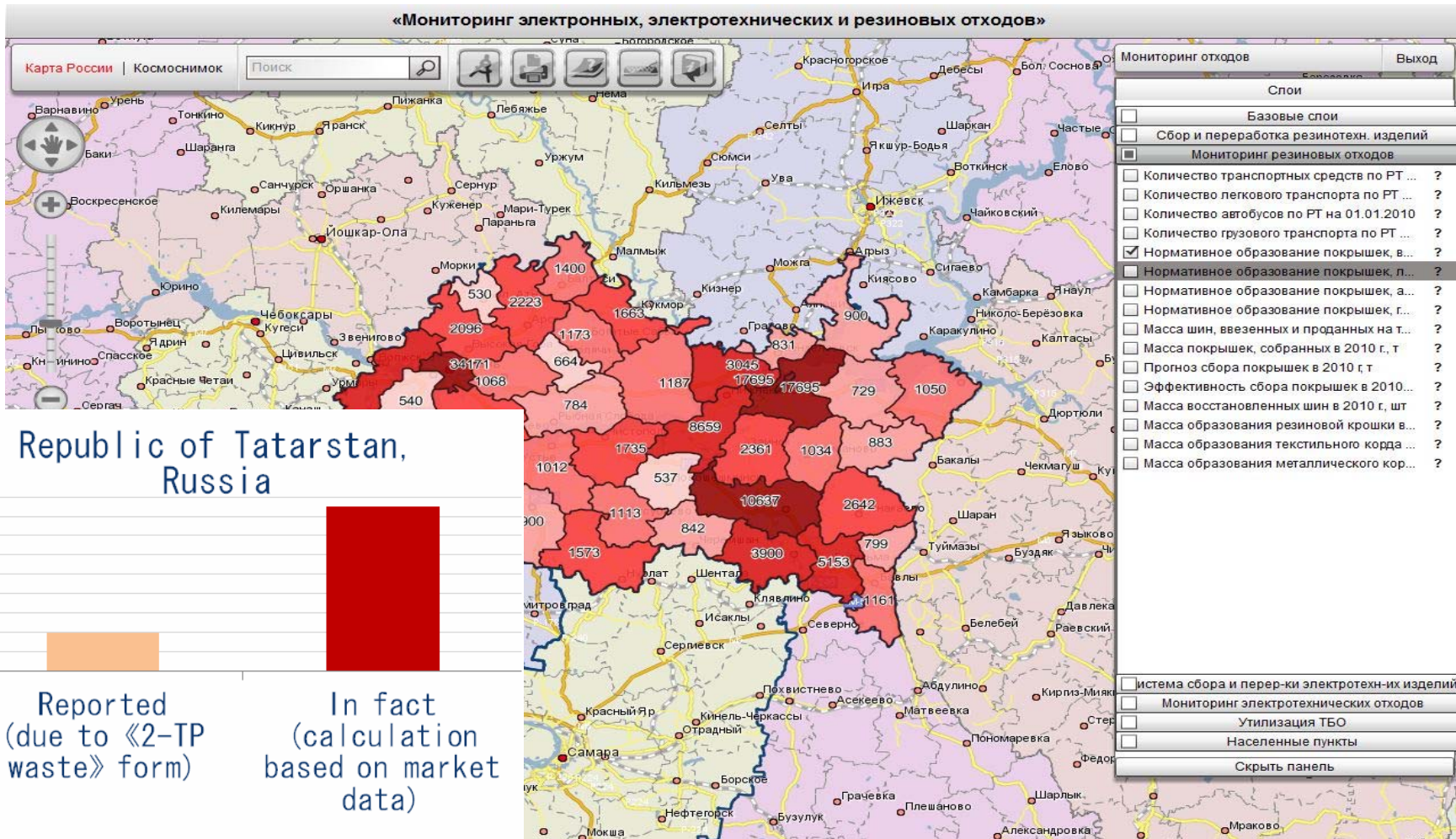




Unified Information Analytical System

Example

The volume of rubber waste production monitoring

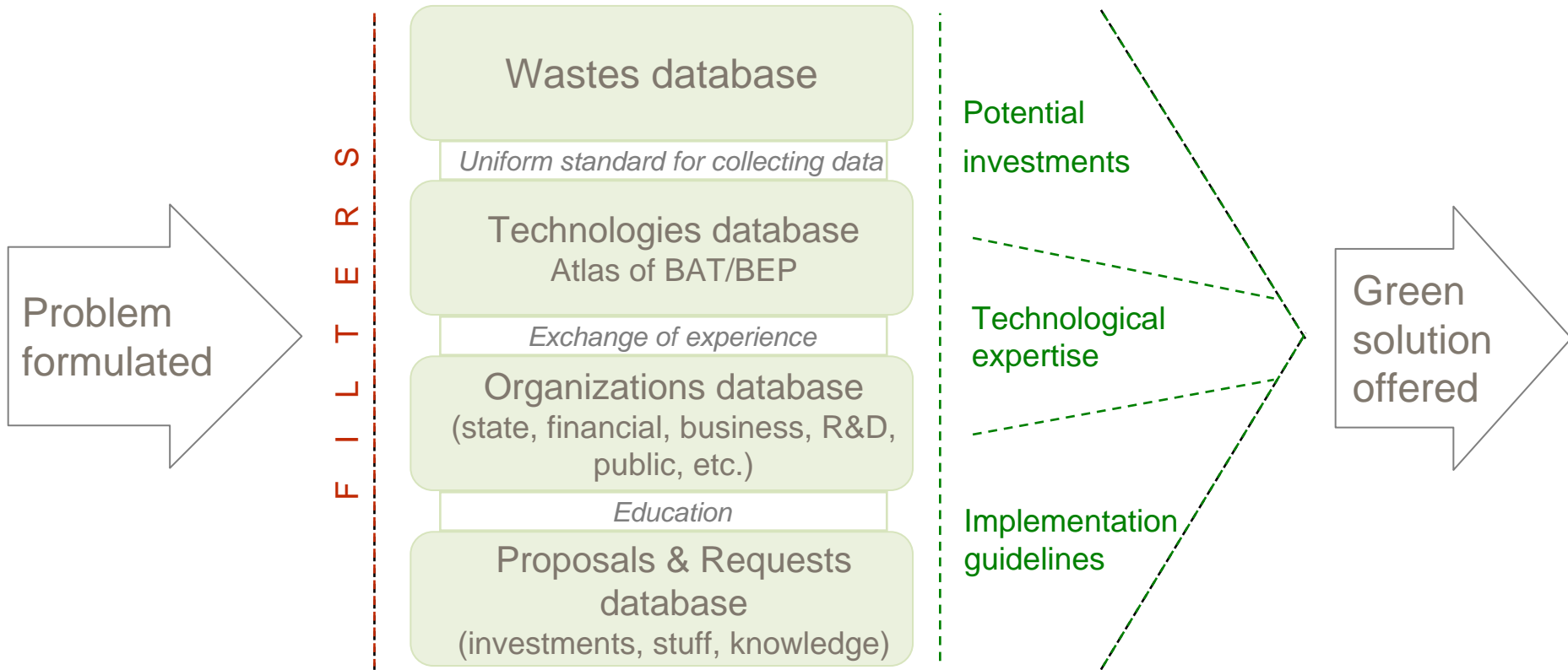




Unified Information Analytical System

How does it work?

- Quick response to existing problems
- Global information space
- Data for regular analysis and monitoring





Unified Information Analytical System

Benefits

Effective local waste markets development through enhancing connections and strong international cooperation

Governments

Helps in decision-making and market monitoring

Businesses

Increases market transparency

for

Waste processing facilities

Provides information about best available technologies and best environmental practices developing and implemented

R&D institutions

Assists in sharing experience and collaborative work

Market Associations

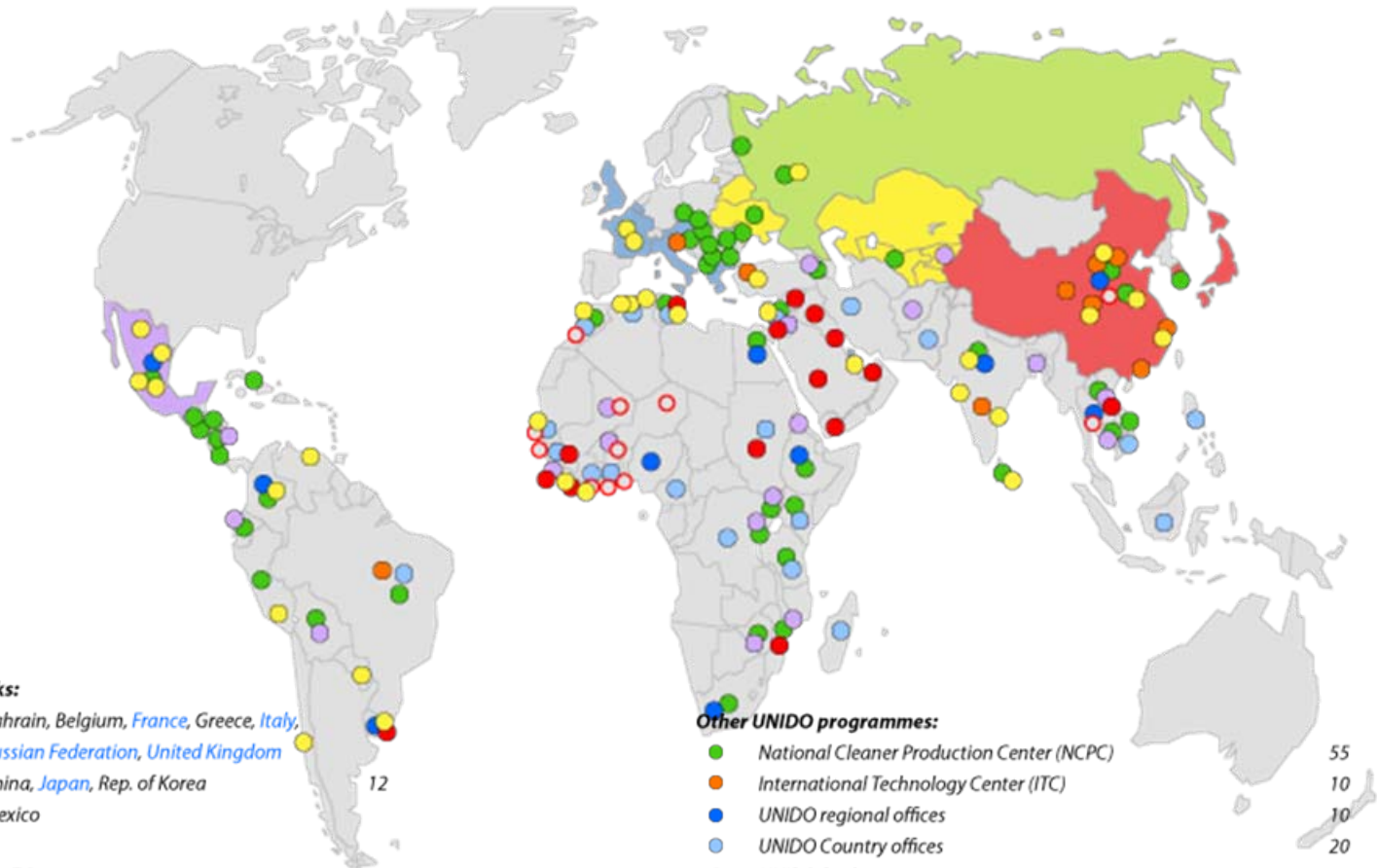
Provides information for market control and development



Unified Information Analytical System

Development

In cooperation with UNIDO networks



UNIDO ITPO Regional Networks:

- Europe / Arab Bahrain, Belgium, France, Greece, Italy, Russian Federation, United Kingdom
- Asia China, Japan, Rep. of Korea 12
- Latin America Mexico

Network Development in EurAsEC:

- EurAsEC Armenia, Belarus, Kazakhstan, Kyrgyzstan, Russian Federation, Tajikistan, Ukraine 7

Other UNIDO programmes:

- National Cleaner Production Center (NCPC) 55
- International Technology Center (ITC) 10
- UNIDO regional offices 10
- UNIDO Country offices 20
- UNIDO Desks 18
- Enterprise Development and Investment Promotion (EDIP) 15
- EDIP - in process 10
- Subcontracting and Partnership Exchanges (SPXs) 32



Association for recovery and recycling of tyres

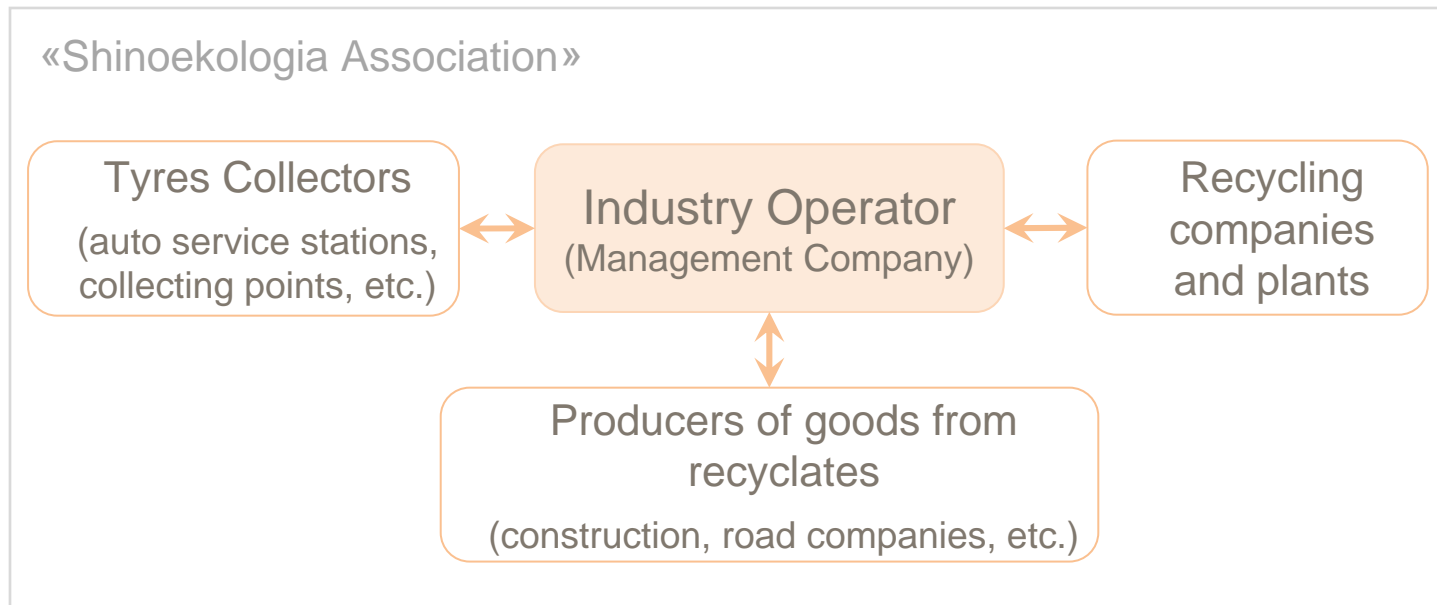
Objective

To encourage the development of tyres recycling market in Russia and EurAsEC

Functions

- Collaborative work with authorities on developing tyres treatment legislation
- Enhancing contacts between market participants
- Cooperation with foreign tyres recycling companies

Structure



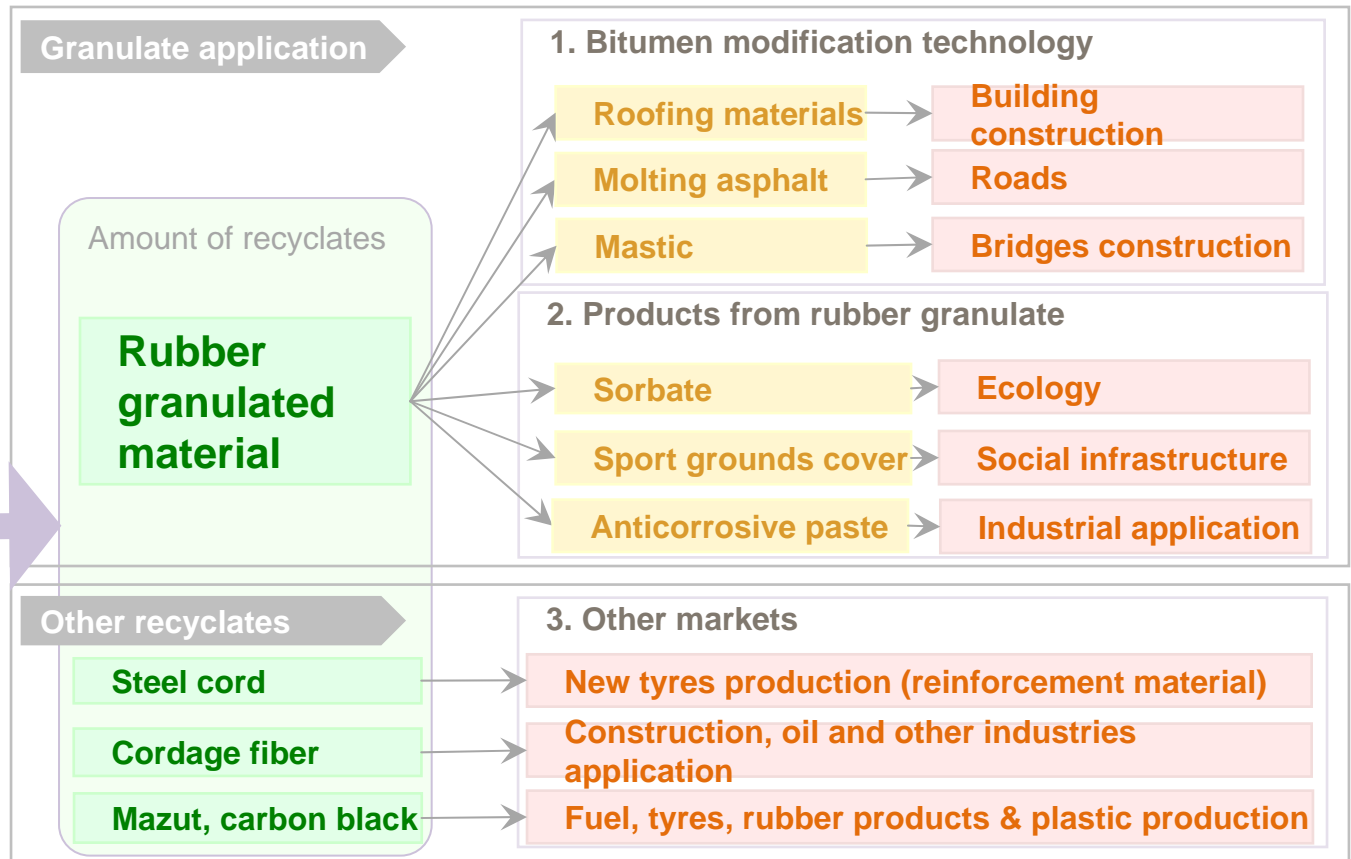


«Zero-waste» tyres recycling scheme

Benefits

- New jobs creation
- State budget inflows
- Business revenue
- Environment protection

waste → collecting → recycling → production → new markets → \$



Amount of waste

Automobile
tyres

Rubber
products
(hoses, conveyor
belts, gas masks)

Granulate application

Amount of recyclates

Rubber
granulated
material

Other recyclates

Steel cord

Cordage fiber

Mazut, carbon black

1. Bitumen modification technology

Roofing materials

Building
construction

Molting asphalt

Roads

Mastic

Bridges construction

2. Products from rubber granulate

Sorbate

Ecology

Sport grounds cover

Social infrastructure

Anticorrosive paste

Industrial application

3. Other markets

New tyres production (reinforcement material)

Construction, oil and other industries
application

Fuel, tyres, rubber products & plastic production

\$



EurAsEC cooperation

Preconditions

- Similar problems and tasks
- Customs Union
- Close mentality



Eurasian
Economic
Community





EurAsEC cooperation

Objective

To eliminate barriers and enhance market development throughout EurAsEC countries

Tasks

- Interaction rules and legislation harmonization
- Customs Union development (introducing common border crossing rules)
- Experience and technologies exchange

Plans

Developing proposals for improvement of waste management industries in Armenia, Belarus and Kazakhstan

Unified Information Analytical System extension to create common space for secondary raw materials circulation

Development of legislation in accordance with international standards and practices

PPP development by encouraging contacts between business and governments through organizing professional events and private meeting



Strong cooperation with local governments

Objective

To assist regional governments in developing local WM infrastructure

Expert examination

Gained from:

- Collaborative work with the Analytical Center under the government of the RF
- Extensive international cooperation
- Cooperation with the Chamber of Commerce and Industry of Russia

For the government

- Assistance to regional authorities in WM programs development
- Comprehensive WM practices implementation based on Eco-towns projects, «Reduce. Reuse. Recycle» and «Zero-waste» principles (start with the pilot regions of Moscow City and Moscow Region)
- Enhancing investments and PPP projects realization

Welcome to cooperation



Independent Non-Profit
Organization
«International Center for
Best Environmental
Technologies»

Vladimir Maryev

Email: vmaryev@yandex.ru