



UNIDO Centre for International Industrial Cooperation in the Russian Federation



# UNIDO opportunities to address local and global environmental problems

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United Nations Industrial Development Organization in Russia

*UNIFIED INFORMATION ANALYSIS SYSTEM*

*[www.unido.ru](http://www.unido.ru)*

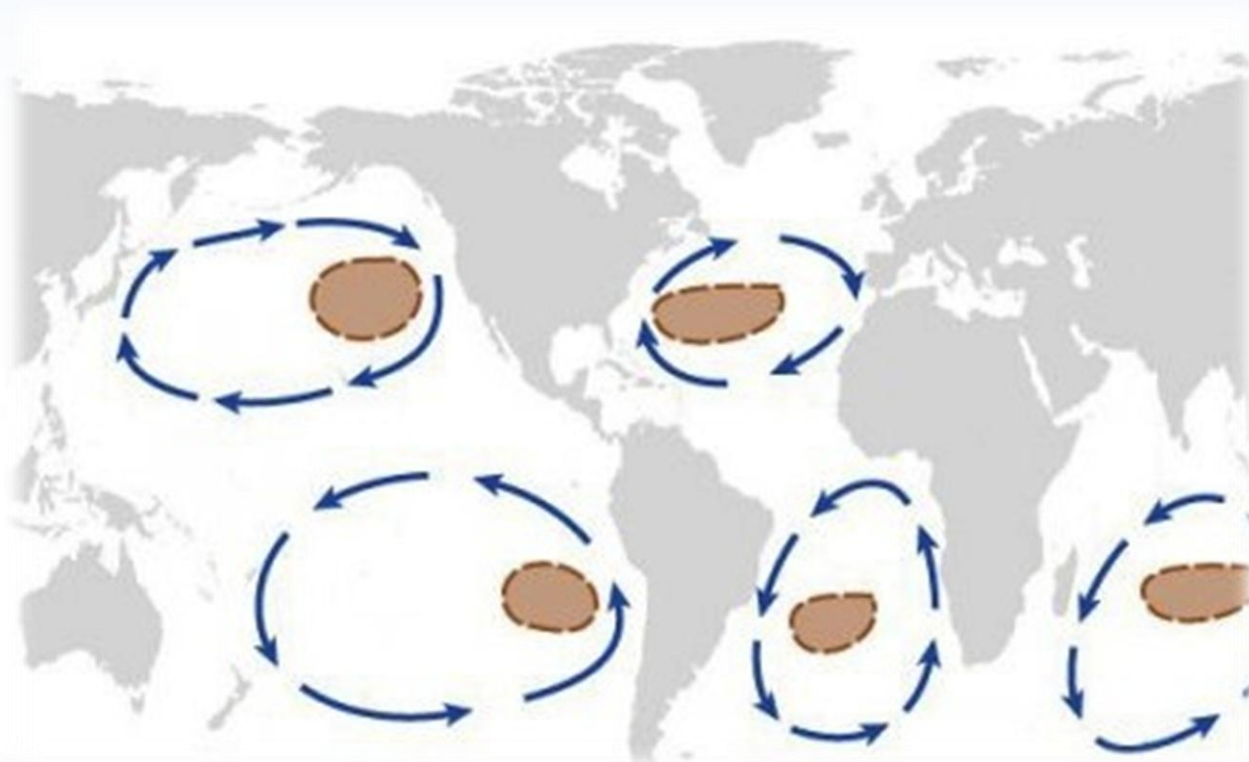


# Garbage Islands

## The Great Pacific Garbage Patch

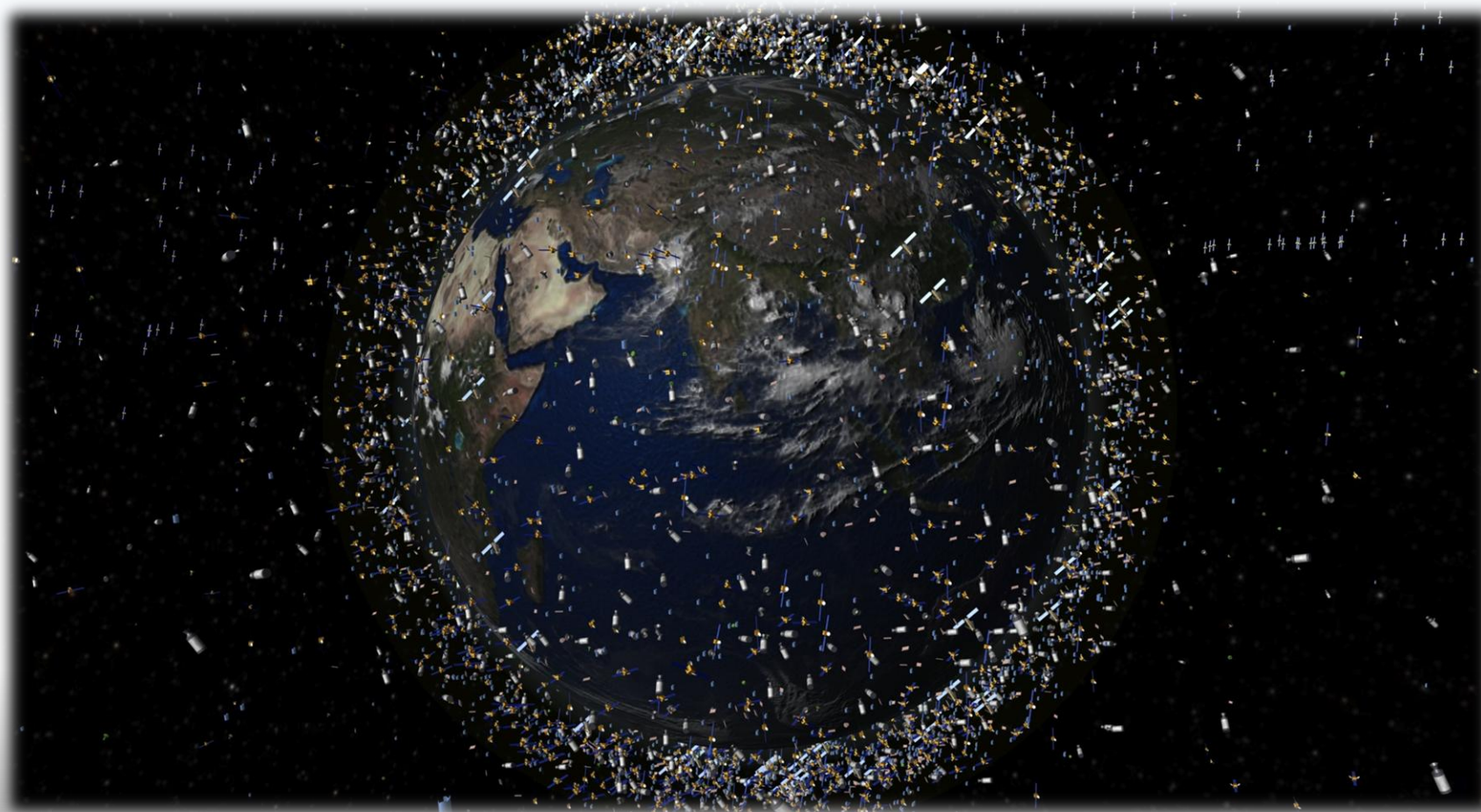
1 760 000 sq km –  
the area roughly the  
size of 3 Ukraine

More than 100 mln  
tonnes of plastics and  
other trash





# Our Planet

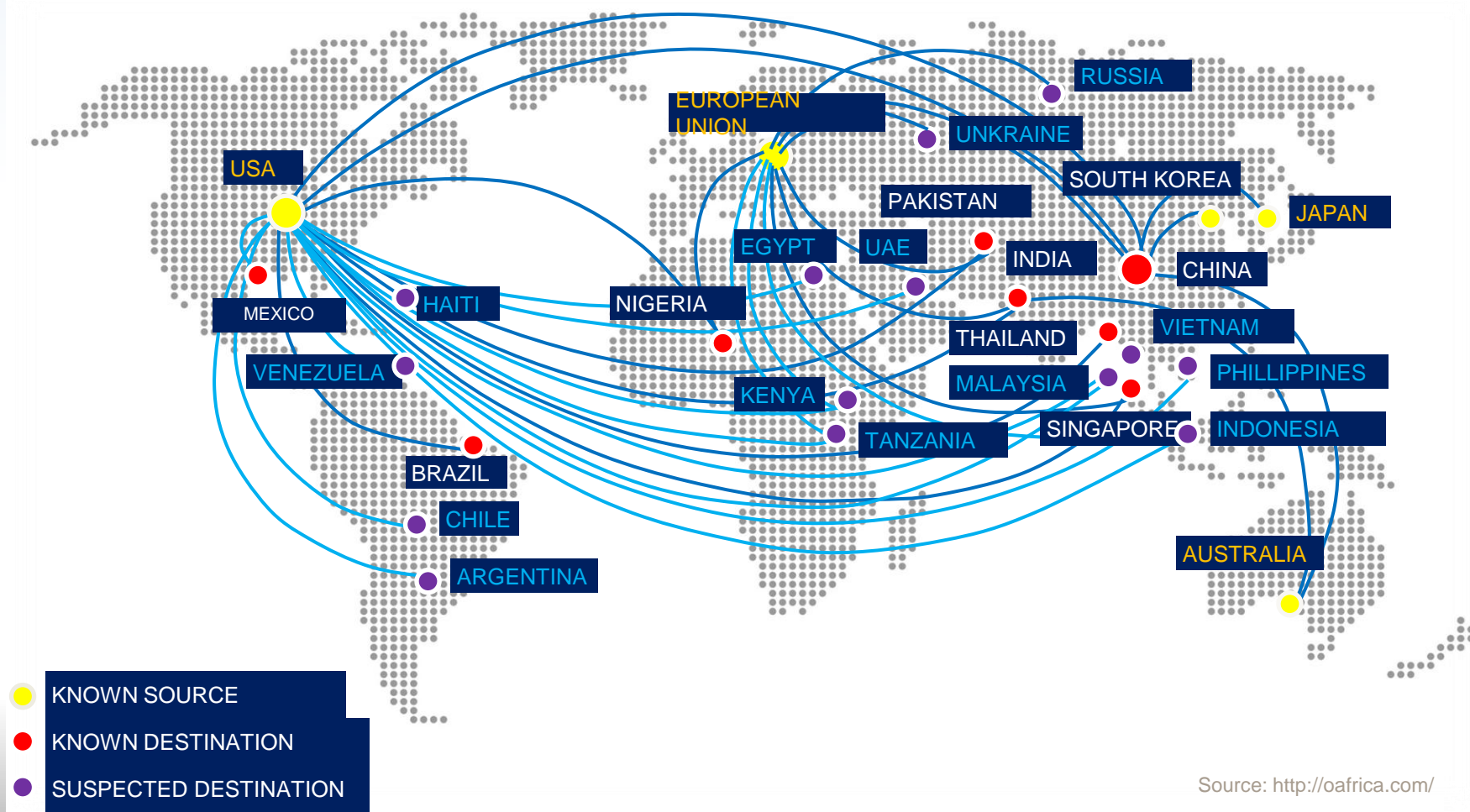


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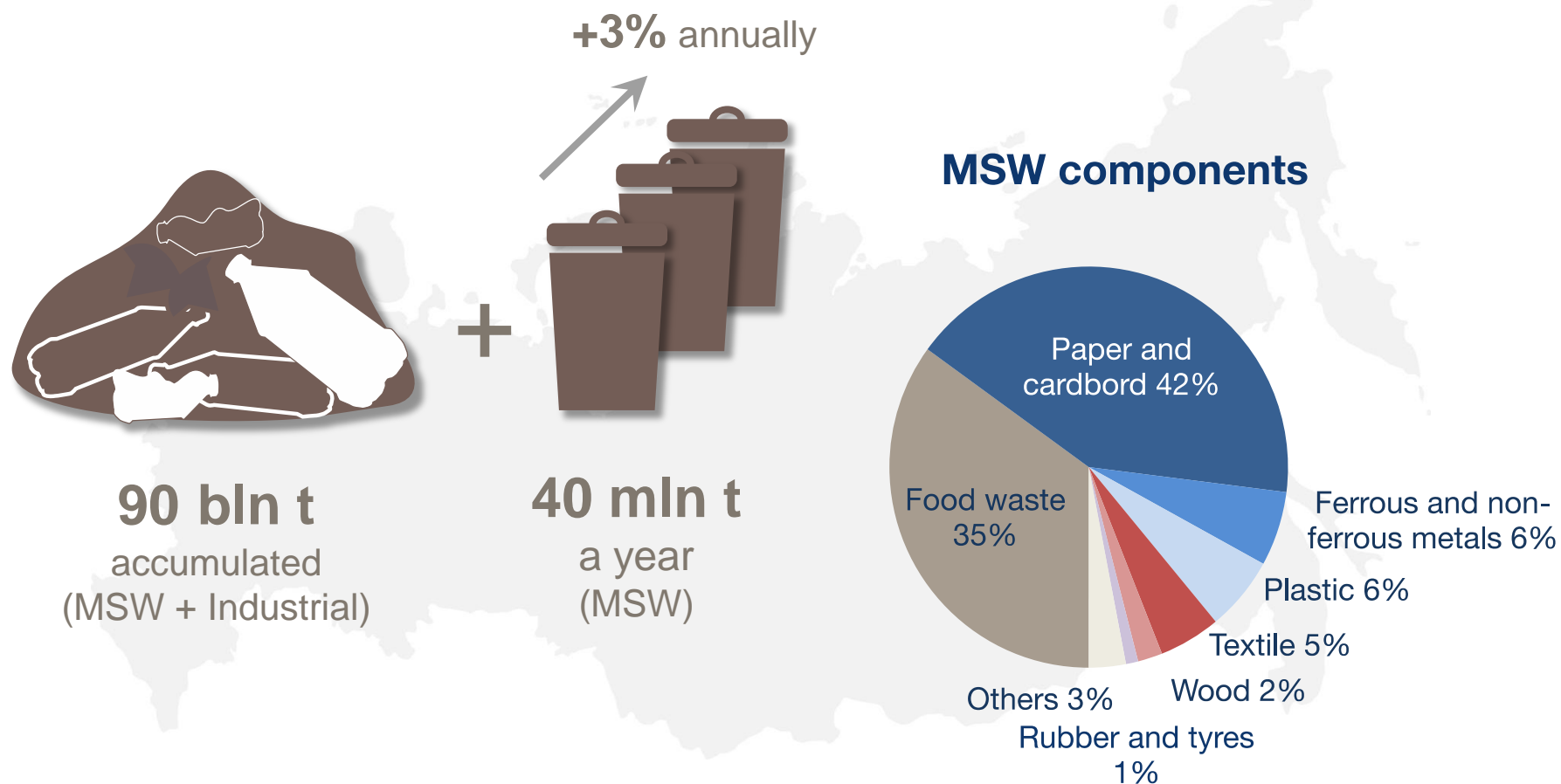


# Zero-waste?



Source: <http://oafrika.com/>

# Russia: Industrial and Municipal Solid Waste





# Kitakyushu Eco-Town Project

■ Research facilities: 14

■ Facilities under operation: 26

■ Investment: 60.5 Billion yen  
(Private: 71%, Public: 29%)

■ Employee: 1,020

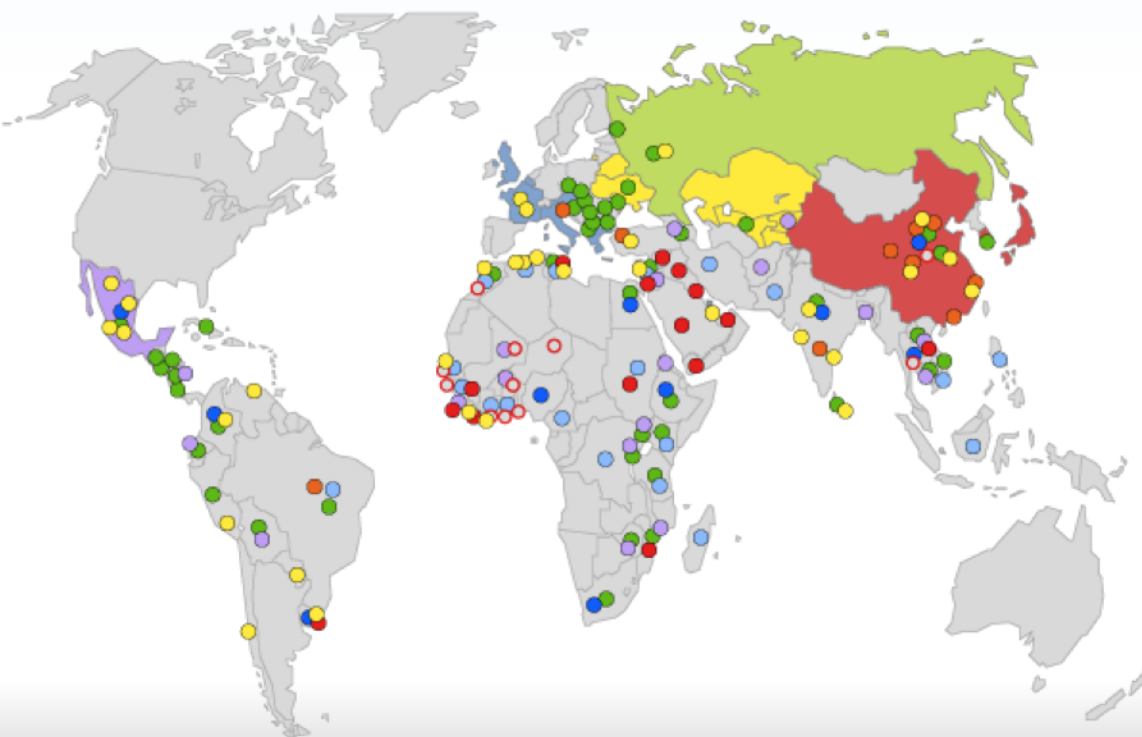
■ Visitor: 740,000 (cumulative total)



The Only  
“Zero Emission Complex”  
In Japan  
By Material & Thermal  
Recycling



## UNIDO networks



### UNIDO ITPO Regional Networks:

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

### Network Development in EurAsEC:

EurAsEC	Armenia, Belarus, Kazakhstan, Kyrgyzstan, <i>Russian Federation</i> , Tajikistan, Ukraine	7
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### 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

Total UNIDO Network 189

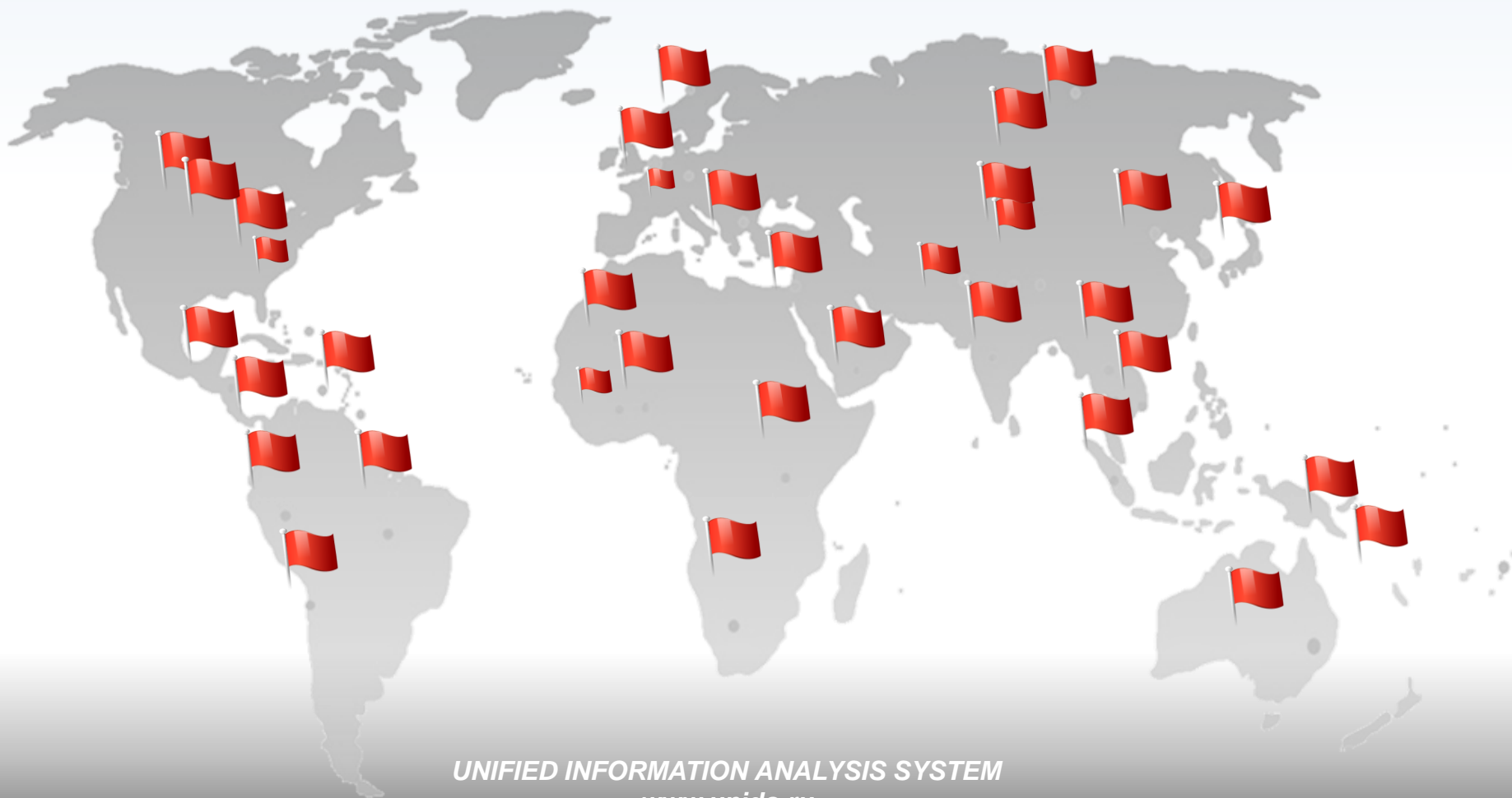


International Partnership for  
Expanding Waste Management  
Services of Local Authorities

International Centre of Best Environmental  
Technologies  
Sub-Regional Secretariat for RUSSIA



57 countries

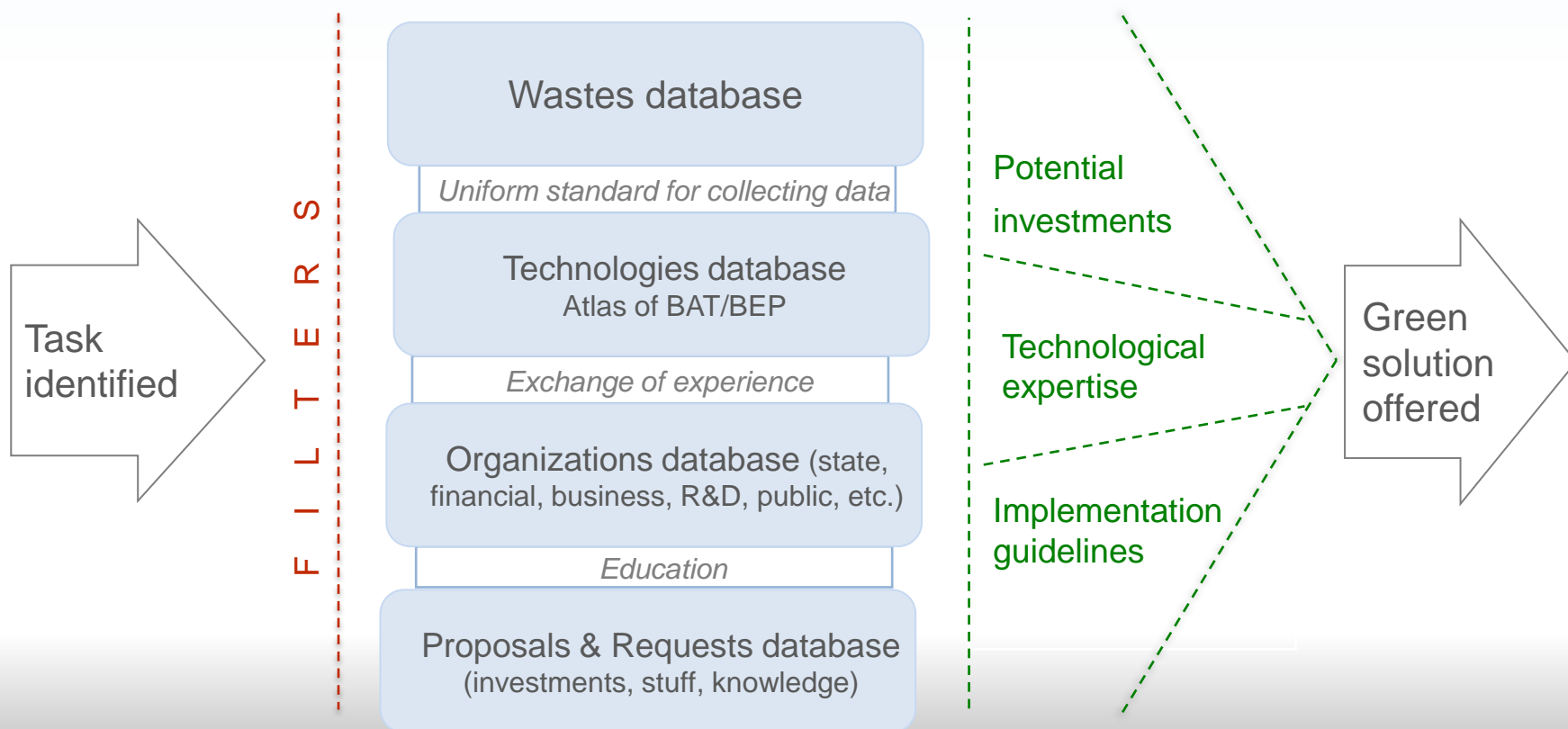


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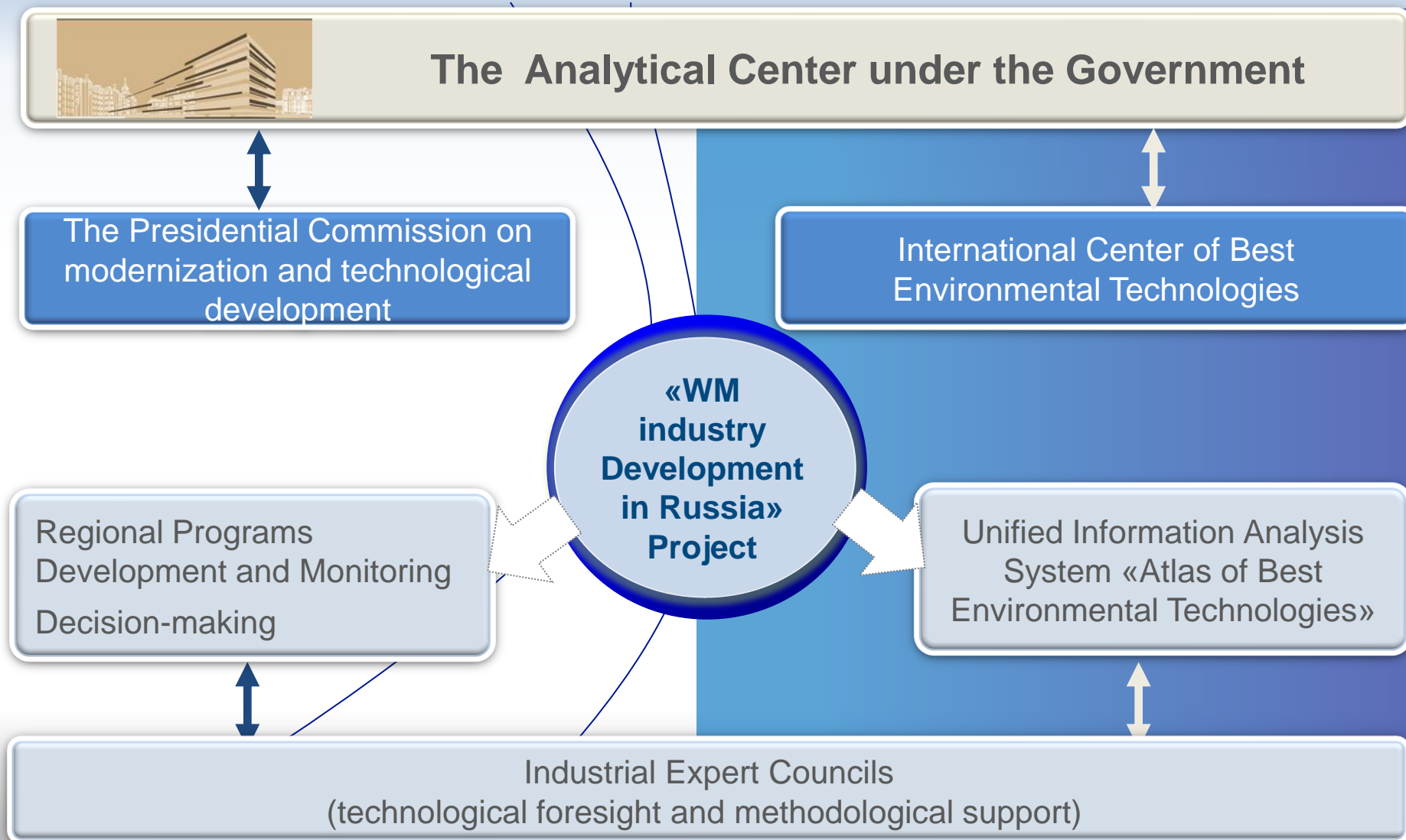
Quick response to existing problems.  
Global information space.  
Data for regular analysis and monitoring.





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

for	Governments	Helps in decision-making and market monitoring
	Businesses	Increases market transparency
	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

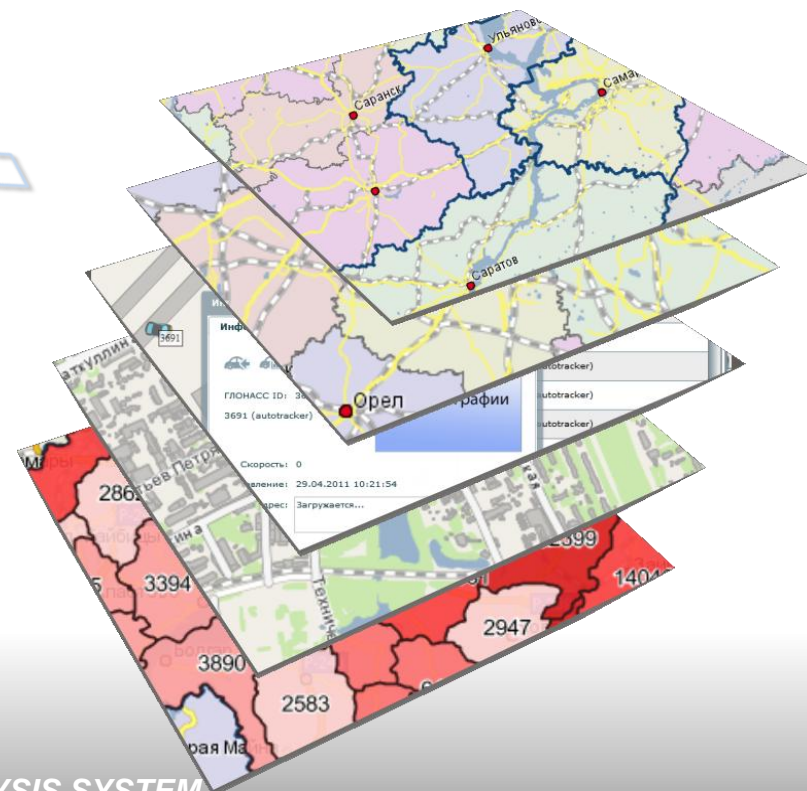
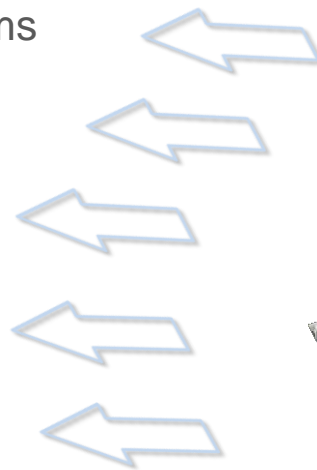




**UIAS** is a web-resource that collects global data about waste industries and organizes them in special themed segments

Aimed at providing market participants (business, authorities, experts, R&D organizations, etc.) with full and up-to-date information

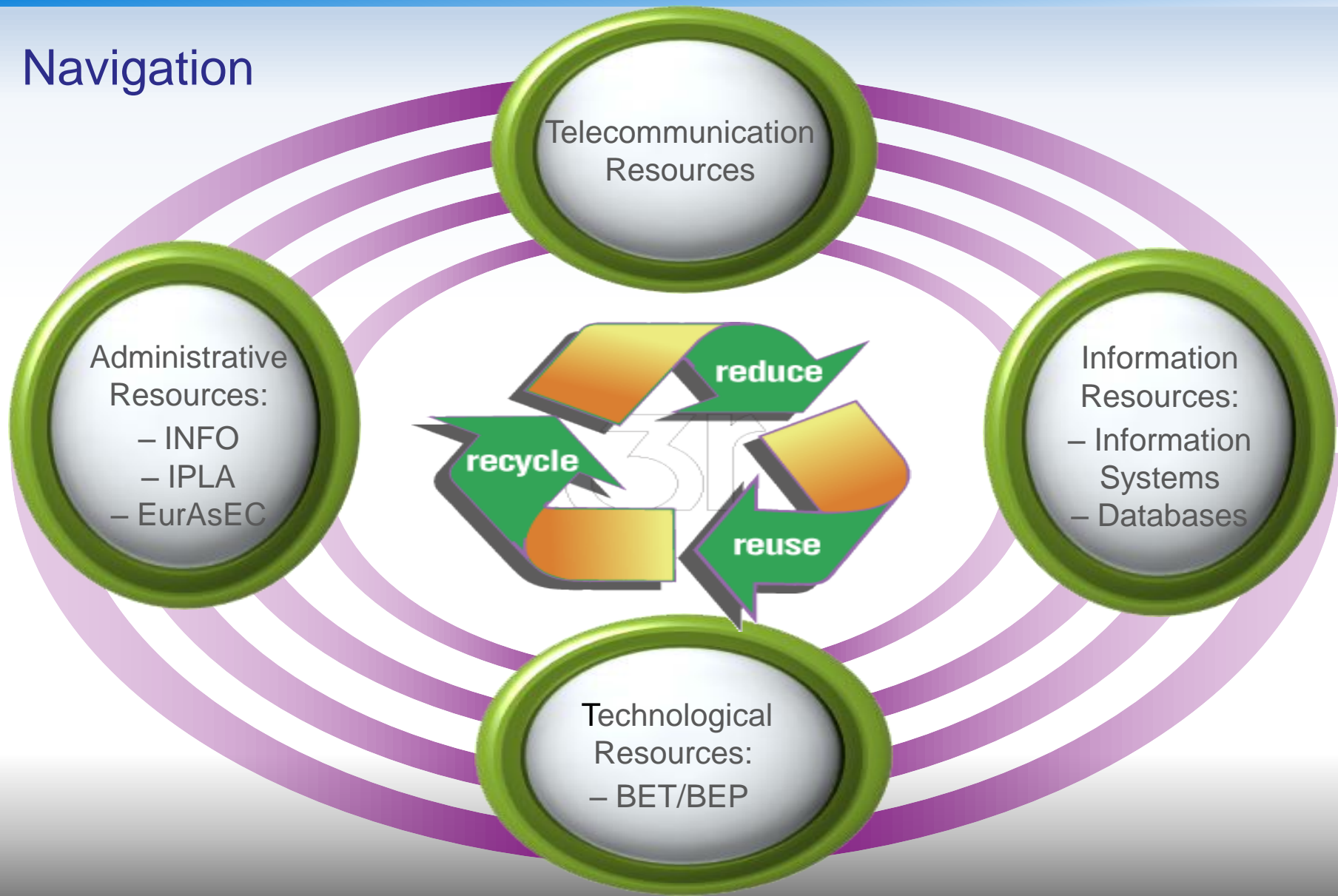
Regional WM programs  
Waste processing facilities  
Waste tracking data  
Waste collection points  
Statistics of waste production







## Navigation





## Integration

Management  
Technologies  
Telecommunications  
Information

INFO

EurAsEC

IPLA

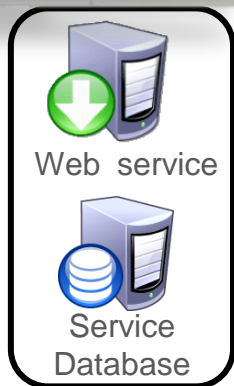




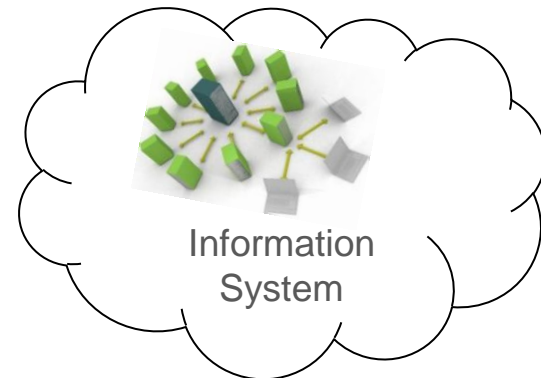
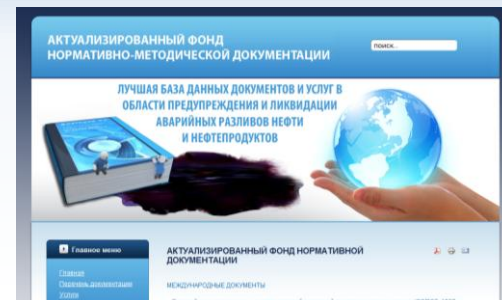
## Information Analysis Portal



Server



Industry Competencies Center



Interactive Engineering System





# BAT/BEP Atlas

Personal Account

Registration



ITPO UNIDO

The European IPPC  
Bureau, Seville

Association of  
Producers and  
Providers of  
Processing Equipment  
and Environmental  
Technologies

Research  
Institutions

Technologies  
Transfer Systems

Waste Recyclers  
Associations

Other Producers

Expert Council

Atlas of Best  
Environmental  
Technologies

Ministries, Agencies  
Services

Regional  
Authorities

Eco Centers

Producers  
Associations

Waste Recyclers  
and Landfills  
Operators







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IES



LRF

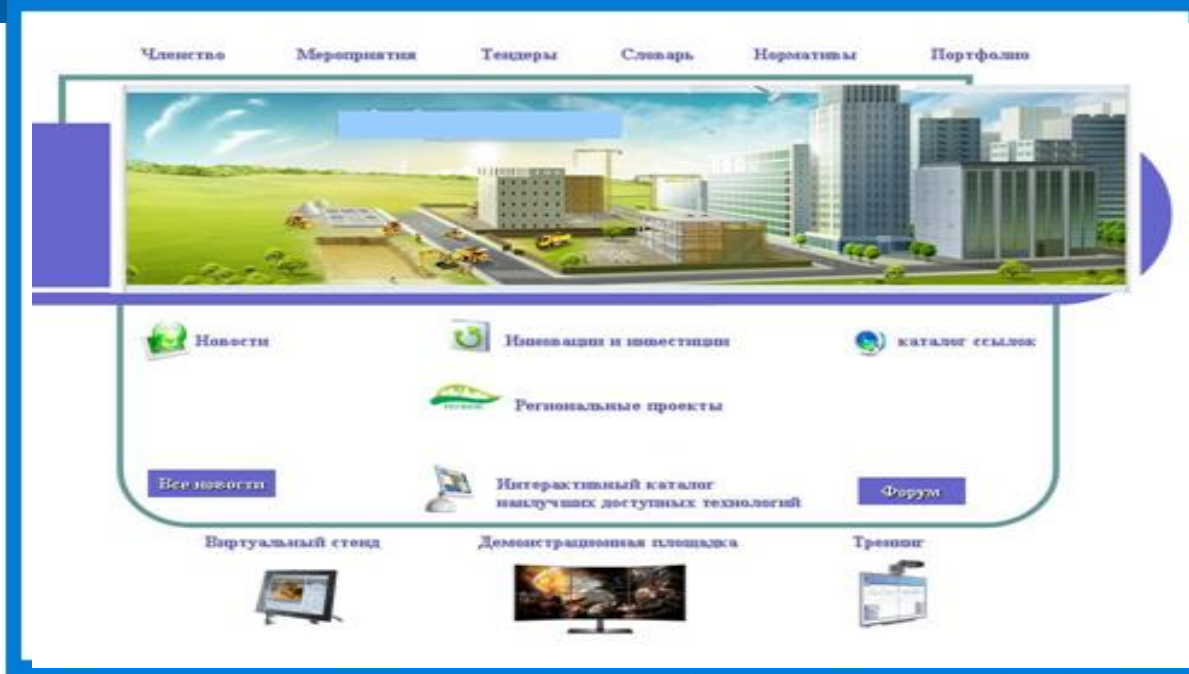


Contacts

Information System

Personal Account

Registration



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Electronic  
Exhibition





IS



IES



LRF



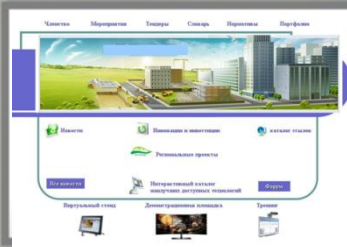
Contacts

Interactive  
Engineering System



Personal Account

Registration







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Legislative & Reference Fund

**АКТУАЛИЗИРОВАННЫЙ ФОНД НОРМАТИВНОЙ ДОКУМЕНТАЦИИ**

МЕЖДУНАРОДНЫЕ ДОКУМЕНТЫ

- Европейское соглашение о международной дорожной перевозке опасных грузов (ДОПОГ), 1967. Женева, 30.09.1967 г.)
- Конвенция о биологическом разнообразии, 1992 года (Рио-де-Жанейро 03-14.06.1992)
- Конвенция о водно-болотных угодьях, имеющих международное значение, особенно болотах, 1971

Personal Account

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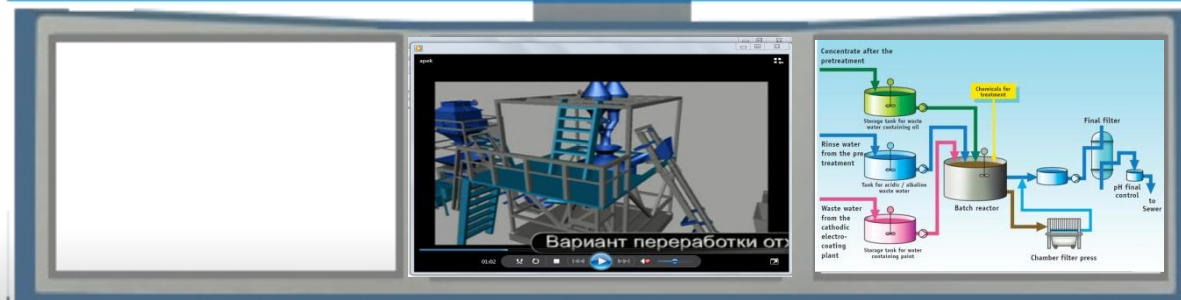


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1

Monitoring and control  
of the environment



2

Waste  
Management



3

Contaminated Land  
Remediation  
Technologies



4

Oil Sludge Disposal  
and Recycling  
Technologies



5

Reource-saving  
Technologies



6

Security Systems  
Integration



Personal Account

Registration



Electronic  
Exhibition





## Industry Expert Councils



## Unified Software and Technology Platform



Commercial  
Information  
Cataloging



Integration of  
Information  
Resources



Unified System of  
BAT/BEP databases



Media Projects



Integration of  
Management  
Systems





The selection of technologies and development of standard project solutions as well the service order in the form of **an electronic trade and exhibition center** which includes a virtual exchange network on the basis of **UNIDO Exchange online platform** containing «Projects Exchange» and «Technologies Transfer Network»

Environmental Certification of regions

Ecological and economic evaluation, expert and methodological support and distance management of environmental projects

Cataloging and Implementation of BAT/BEP

Regional WM Programs

Object-oriented training

Cost reduction in regional offices



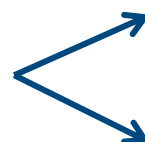




## Priorities



Information exchange between international / national experts, business partners and Governments



Expenditures

Investments



Collaborative projects implementation based on the «Green Industry» and «3R» principles



## Expected results

1. Certification and cataloging of BAT/BEP with the possibility of combining the information from UNIDO offices, Governments and business partners;
2. Development of an unified software and technology platform for expertise, consulting and engineering;
3. Ecological and economic evaluation. Online distance management of environmental projects from the local to the international level;
4. Collaborative projects” implementation based on the «Green Industry» and «3R» principles
5. Cost reduction for recruitment, BAT/BEP transfer and implementation
6. Involvement of international financial institutions



UNIDO International Industrial Cooperation Center in Russia



# Thank you!