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**CIFAL Kuala Lumpur/KLRTC Training Course XXII on Solid
Waste Management in Asian Cities:
Managing GHG Emissions
17-19 October 2011, Kuala Lumpur, Malaysia**

**Conference and Workshop on 'Sustainable
Waste Management' - CIFAL Plock Response
to Knowledge Gap at Local Level**

**Ireneusz Kaminski, CEO,
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CIFAL Plock conference and workshop on 'Sustainable Waste Management'

- 7-9 June 2011: CIFAL Plock conference on 'Sustainable Waste Management' followed by 2-day workshop using UNITAR's CityShare methodology
- Partners: City of Plock, UNITAR, Veolia Environnement, ZUOK (Plock Municipal Waste Treatment Company), EKO-MAZ (waste collection), 'PPP Centre' Foundation
- Patronage: Ministry of Infrastructure, Ministry of Environment , Ministry of Economy
- Media patronage: Przegląd Komunalny (Municipal Review)



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CIFAL Plock conference and workshop on 'Sustainable Waste Management'

- Reason for the conference and workshop: importance of the issue due to:
 - Negative impact of waste on environment and consequently on people's health
 - EU policies requiring a time-bound, progressive sustainable management of solid waste in EU member states
 - New Polish act on solid waste management being introduced
- 100 participants at the conference and 30 at the workshop
- 10 countries represented: Albania, Bosnia & Herzegovina, Croatia, Estonia, Netherlands, Macedonia, Poland, Romania, Sweden and Ukraine



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CIFAL Plock conference and workshop on 'Sustainable Waste Management'

Topics covered by presentations at the conference:

- Sustainable waste management: example of Sweden, by Mr. Jozef Neterowicz, expert of Union of Polish Counties
- Sustainable waste management: example of Netherlands, by George G. van der Meulen, "Compuplan" Foundation and Wijtze Boomsma, "Aquaflow"
- Waste segregation with the use of Polish "Eko AB" system, Andrzej Bartoszkiewicz, "Eko AB"



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CIFAL Plock conference and workshop on 'Sustainable Waste Management'

Topics covered by presentations at the conference (continued):

- 'Turning waste into resource', Tamara Wdowska (Veolia Environnement/Poland)
- Solid waste management – perspective of local governments, Krzysztof Choromański, "Kobiko", Expert of Union of Polish Cities
- Municipal solid waste as a source of energy, Danuta Król, Ph.D. Silesian Technical University/Poland)



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CIFAL Plock conference and workshop on 'Sustainable Waste Management'

- A debate concluding the conference addressed following issues:
 - Who should own the waste and bear the utilisation cost?
 - How to finance the waste investments?
 - Waste reduction - does it mean only costs?
 - How to carry out a dialogue with the society on sustainable waste management?



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Best practices presented at the workshop:

- „Clean-up Georgia - raising of public awareness and involvement in solid waste management improvement”, Madona Pirvelashvili , “Greens Movement of Georgia/Friends of the Earth-Georgia” and Nino Sul Khanishvili, „Eco-Vision”
- „Home and local recycling as an element of environmental education”, Jerzy Zelaziński , free-lance expert, Plock/Poland
- „Solid waste management in Tuzla Canton - legal framework and practical examples”, Emina Ahmetovic , „Ekopot”, Tuzla/Bosnia and Herzegovina
- „Effective local management of liquid waste in urban areas”, Wijtze Boomsma, „Aquaflow”, Amsterdam/Netherlands
- „Solid waste management by 'Eco-ROM' Ambalaje”, Mihaela-Ioana Cristea, „Eco-ROM, Bucharest/Romania



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EKO AB – modern system of waste collection and segregation
(based on presentation of Mr. Andrzej Bartoszkiewicz, "Eko AB")

EKO AB system enables:

- dramatic decrease of volume of dumped solid waste
- dramatic increase of recycling level
- supply of renewable energy resources
- creation of new jobs suitable for socially excluded



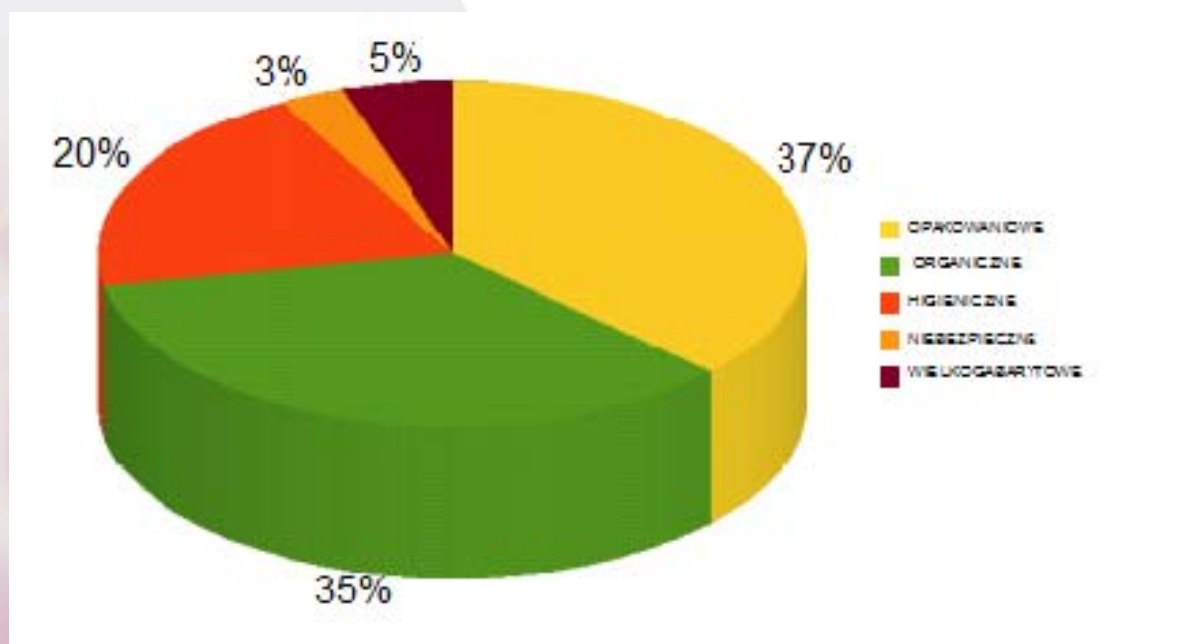
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EKO AB – modern system of waste collection and segregation



Municipal solid waste structure



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EKO AB – modern system of waste collection and segregation

Household-generated waste is being divided by inhabitants into 3 groups: organic, hygiene-related and other. Present waste collection booths (accessible for small animals) are replaced by closed container pavilions allowing high hygienic standards.





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EKO AB – modern system of waste collection and segregation

Eko AB system requires efficient means of disinfection and odour removal. A customized solution has been provided by Telesto company with application of the water mist technology. Pavilions are also air-conditioned. Air-curtain at the entrance door results in energy savings





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EKO AB – modern system of waste collection and segregation

Upon a delivery of the waste a deep segregation takes place.
Organic waste is stored in a cooler.





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EKO AB – modern system of waste collection and segregation

Recyclable waste is divided into up to 22 categories. Hazardous waste is being separated. Dirty packages are being washed. Document shredder allows protection of fragile data. Packages are being squashed to decrease their volume.





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EKO AB – modern system of waste collection and segregation

Pavilions are equipped with a bathroom including shower, toilet, wardrobe and a desk





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EKO AB – modern system of waste collection and segregation

EKO AB system allows segregation and reuse of 70-80% household waste, thus it meets EU long-term solid waste management standards.

It results in significant reduction of dumped waste, which limits the cost of waste management and its environmental impact. Its application turns waste from a costly problem into quality raw materials and a renewable energy resource.

It alleviates a financial burden of city-dwellers related to waste collection.

It creates jobs accessible to people with low qualifications and social problems.



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Thank you for your attention!

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