

Abstract for presentation

**Organisation:** IFKA Public Benefit Nonprofit Ltd for the Development of Industry

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**Title:** Various aspects of IS in Hungary

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### **IFKA delivered Industrial symbiosis projects in Hungary**

**Hungary**, with a population of 9.9 million people and 9.3 million hectares of land, of which 5.8 million hectares are agricultural land, is situated in the Carpathian basin.

Main waste treatment practice in 2012 was incineration based on Central Statistical Office's data: total industrial waste produced is of 5, 79 million tonnes – of which the majority, 3,44 million tonnes are landfilled.

**IFKA** is a nonprofit organisation which has been playing an active role in the economic, technical and innovational life of Hungary since 1990, bringing together the fields of logistics, quality assurance and environmental protection. Our extensive network allows us to operate as a bridging institution. IFKA accommodates both Hungarian and European Union objectives.

IFKA launched **industrial symbiosis activities** in 2010 with a Life+ project in cooperation with the UK based ISL, the provider of the know-how and the electronic platform for the development of synergies. This project (**NISP – National Industrial Symbiosis Programme**) built up the partnership of more than 800 companies, delivered almost 10 workshops and trainings, organised a UK study visit for industrial stakeholders and managed synergies towards completion in more than 100 cases. Foundries, waste recyclers, manufacturers, entertaining and catering industry were involved in the project.

This 3 years old project with its experiences, results and barriers drawn the visions of the next IS projects.

In the coming years IFKA tried several versions of the industrial symbiosis building possibilities, such as:

- Links between **academia and Sme sector** in order to divert their waste from landfill with the solution provided by a research and/or innovation. Two workshops were held in order to discuss the demand-led innovation ideas of industrials with the representatives of academia (**EUR-IS project**)
- Policy background review to monitor the impacts and the objectives of strategies and targets set up by them regarding the industrial symbiotic partnerships building.

#### **Policy background**

We identified several barriers and drivers and in our upcoming projects we will try to tackle those. Our aim is to expand our IS programmes to other activities and waste types, such as agriculture or food waste.

We establish a communication with relevant stakeholders and decision makers and analyse the impact of economic incentives, such as the newly introduced landfill tax.

We welcome all kinds of initiatives and communication aiming at the improvement of energy-efficiency and material use of the industrial sector of Hungary.