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Development of an e-waste implementation toolkit (EWIT) to support the recycling and secondary raw material recovery strategies in metropolitan areas in Africa

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The supply of raw materials is an increasing concern on global scale. The European Innovation Partnership (EIP) on Raw Materials is a European Commission initiative aimed to encourage the development of multi-stakeholder networks for raw materials recovery. The E-waste Implementation Toolkit project (EWIT) is a European-African cooperation initiative aimed at implementation of a web-based toolkit which brings best practices and successful case-studies together in the field of e-waste management for Africa and Europe. The environmentally sound management of e-waste will ensure greater protection of human health and the environment, as well as the recovery of secondary raw materials.

The targeted twinned metropolitan areas involved in the EWIT project include Vienna (Austria) and Choma (Zambia), Oporto (Portugal) and Kisii (Kenya), Florence (Italy) and Johannesburg (South Africa), Antwerp (Belgium) and Abidjan (Ivory Coast). During the first phase of the project, e-waste data were collected in the targeted areas and analyzed in accordance with four thematic pillars: e-waste collection, e-waste processing technology, e-waste system legislation and financing, and circular economy for e-waste. Solutions to common problems were then discussed in a secondary stage and included within a toolkit, which takes the form of a web portal. The toolkit is a dynamic and easy-to-use information and service portal that will give guidance and practical support to policy makers for the design and development of smart e-waste collection and recycling systems. An overview of the project results and the use of the toolkit will be discussed in this presentation.

