

THE SYSTEMS



S. XARÁ^{1,2}, M. SILVA², M. F. ALMEIDA¹ AND C. COSTA¹



1 LEPAE

Faculdade de Engenharia da Universidade do Porto

Rua dos Bragas

4050-123 Porto, Portugal

2 Escola Superior de Biotecnologia

Universidade Católica Portuguesa

Rua Dr. António Bernardino de Almeida,

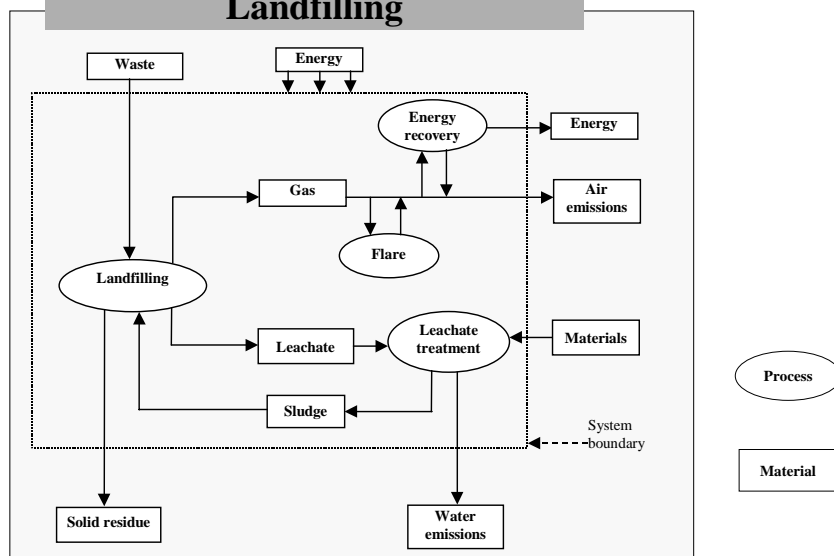
4200-072 Porto, Portugal



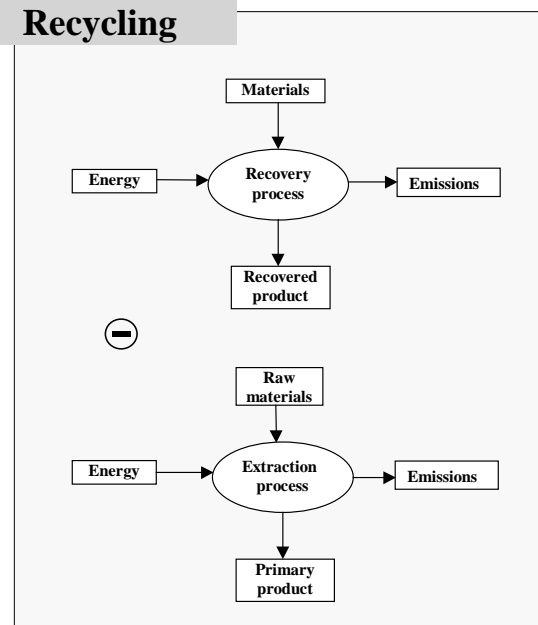
Life cycle inventory analysis is a very important stage on a life cycle assessment study as it includes the compilation and quantification of materials and energy consumption and emissions to air, water and land, for all processes within the system boundary. The result is an inventory of the environmental burdens for each system under study.

On **waste management**, life cycle assessment is used to compare management options as incineration, landfilling, recycling and composting. Due to the great variability of systems and technological processes available, each life cycle assessment study should clearly present the systems under study including the technological processes and operations related. Therefore the study is valid for these systems and these technological processes and, differences between management options should take care of this.

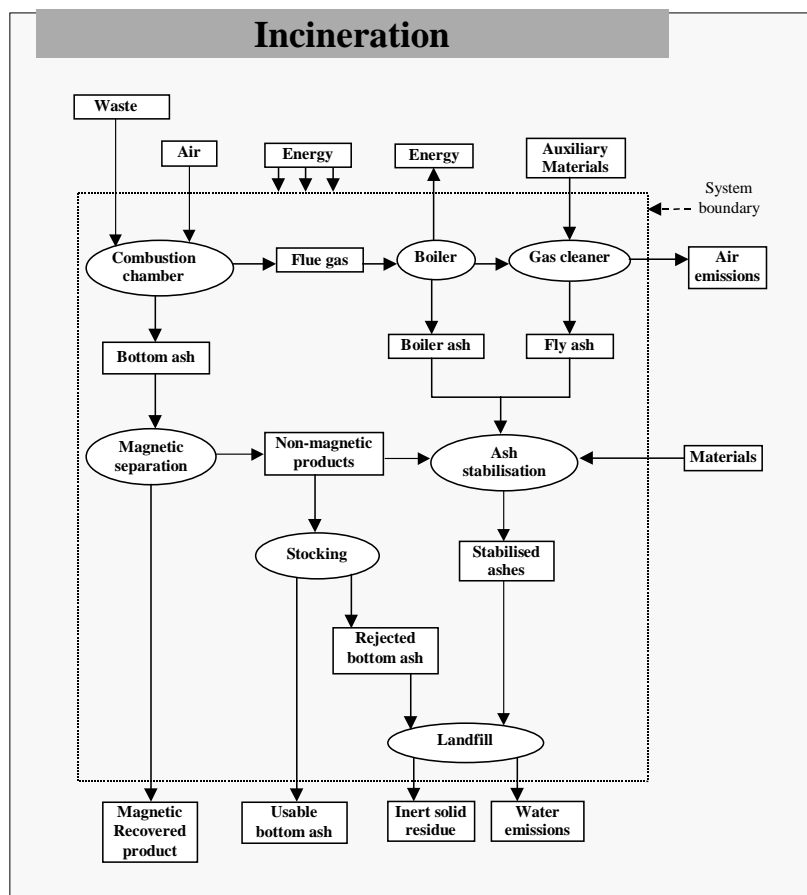
Landfilling



Recycling



Incineration



Composting

