

Circular Economy

A modern economic model

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THE GOVERNMENT
OF THE GRAND DUCHY OF LUXEMBOURG
Ministry of the Economy

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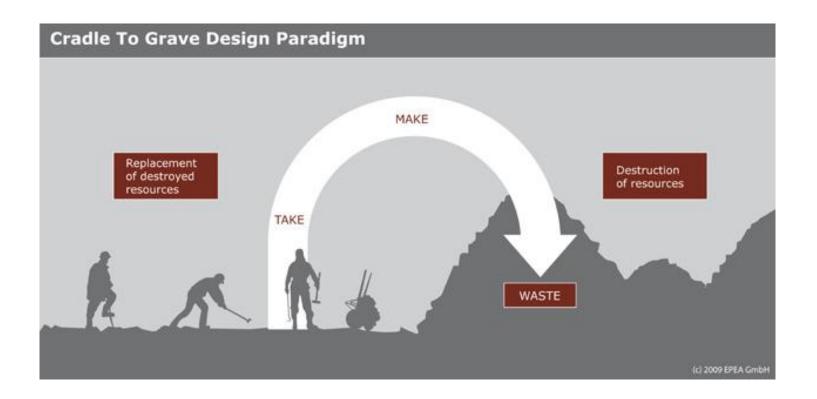




- Sustainable Mobility
- > Sustainable Construction
- Circular Economy



Current situation





- Unsustainable consumption behaviour
 - Consumption behaviour in developed countries is using more resources then available. The takemake-waste model is unsustainable.

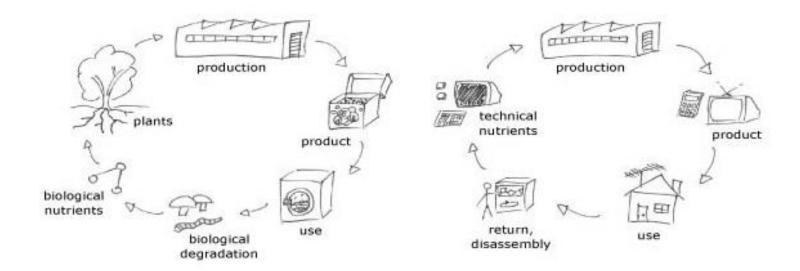
- > Industry struggling in Europe and Luxembourg
 - Strong competition from low cost countries
 - High unemployment rates



- Increasing competition and costs for raw materials
 - An ever increasing demand for raw materials is paired with a steadily decreasing offer. Re-using instead of purchasing new materials may become vital for national economies.
- Luxembourg is poor in raw-materials
 - Luxembourg is of small size and has only very limited resources of raw-materials. Reducing the dependences of material imports may be vital for its economy.

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Objectives



biological cycle for Products for Consumption technical cycle for Products for Service

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- Strengthen competitiveness of Luxembourg's existing industry
 - Towards independance from raw materials and energy imports
 - New, sustainable business models
 - From products to services
 - Reduce cost of ownership for customers through win-win models and efficiency gains
 - Bind customers through stronger interactions
 - Stronger integration of companies into Luxembourg's economic environment

Objectives



- Create new economic activities
 - Financing tools developed by the finance sector
 - Jobs for low-qualified personnel
 - Reverse logistics
 - Dismantle, refurbish, recondition, recycle,...
 - Service activities
- > Foster research and innovation
 - Implementing a circular economy model in Luxembourg will require innovative business models that will have important spillover effects and foster innovation in various sectors.



Current actions





Ecolnnovation Cluster priority



- The new Cluster president, Romain Poulles, has made circular economy a high priority of the clean technologies Cluster.
- Analysis of the potential and roadmap
 - The Ministry of the economy launched a study to assess the current situation in Luxembourg, the economic potential lying within a circular economy model and to prepare a roadmap for its implementation.



- > Flagship projects
 - Identify, initiate and support pilote projects

- Greater Region
 - Involve partners from the Greater Region to exploit synergies and increase system efficiency

Advantages of Luxembourg



- > Small integrated environment
- Good knowledge of the national industry
- Small interdisciplinary groups
- Opportunity to change existing systems

- ➤ Testlab and front runner for <u>national</u> circular economy strategy and models
- Increase visibility and attract new economic activities and companies

To take home



To take home



- Luxembourg depends on energy and material imports while classic business models struggle
- Circular Economy has the potential to strengthen current activities and develop new ones
- Circular Economy is a cross-sector model and requires sytem changes which can be an advantage for Luxembourg
- > Common effort
- > Plan B?



Business a usual, go with the flow



Wait until someone else does the job





- ➤ Get in there together, start paddling and paddle, paddle, paddle...
- > Take the lead



Merci

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