

Circular Economy and



September 14th, 2017

The Third Industrial Revolution

The study



ENERGY

Renewable energies, Production, recovery, Distribution, Storage, Smart metering

MOBILITY

Transports
& Logistics
(transportation modes, infrastructures materials, innovative lean logistics, driverless solutions)

BUILDING

Housing & environment Materials, Inclusive econeighborhood

FOOD

Production, distribution and consumption patterns (agriculture, manufacturers, retailers, horeca, end consumer, etc)

INDUSTRY

Transformation
of traditionnal
business
models in the
industrial
sector

FINANCE

Innovative finance approaches / vehicles (FinTech, impact investment, participative finance, e.g. crowdfunding....)

SMART ECONOMY

Digital for sustainability: smart solutions for a post-carbon economy
Digital & Ethics: Open-source & governance, data protection, privacy, digital preservation

CIRCULAR ECONOMY

Optimisation of <u>resource</u> and material <u>flows</u> system
Resource <u>efficiency</u> – Sharing <u>economy</u>

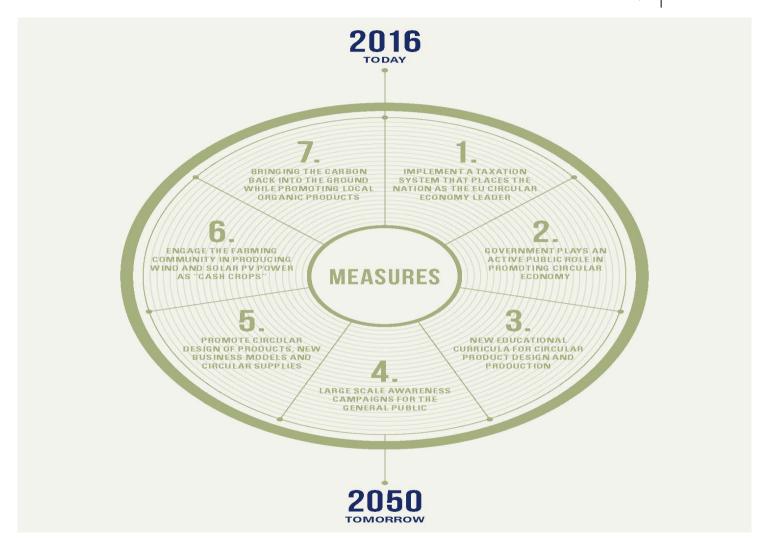
PROSUMERS & SOCIAL MODEL

LABOUR, TAX AND LEGAL ASPECTS

Impact of the rise of new economic models (lateral power: sharing economy, crowd economy...)

Work organisation, prevalence of the human dimension, social solidarity/cohesion





TIR Governance

- In order to take account of the very varied themes to be addressed, 4 different circular economy working groups have been set up:
- Regulation and taxation
- Public procurement
- New products, services and circular business models
- Education and awareness raising

A representative of the platform will participate in working groups managed by other platforms and also dealing with the circular economy:

"Building of the Future" and "Renovation Strategy"

"Regulation and taxation"



- Close collaboration with the Ministry of Finance
- Brainstorming on different tracks allowing an incentive effect to the circular economy
- Identification of legislative / regulatory barriers
- Elaboration of tax solutions that eliminate barriers and encourage circular business models

« Public procurement»



- Close collaboration with the Ministry for sustainable Development and Infrastructure
- Identification of barriers and constraints that prevent the formulation of circular criteria such as:
 - Define the right criteria to select the best circular offer
 - Raise awareness on the topic and develop guides and training to allow candidates to submit high quality offers
 - Identify barriers in the existing legislation and report back to the regulation and taxation group
- Identification and elaboration of projects serving as examples of good practice
- Various stakeholders (Chambers, ministries, urban development funds, municipalities...)



- Support stakeholders and pilot projects in order to demonstrate the feasibility and viability of these new models and even demonstrate their superiority compared to linear economy.
- Identify and collect best practices, errors to avoid and barriers encountered during the process. Establish examples of good practice that can be replicated for other companies
- Development of new business models.

Stakeholders: Fedil, Federation of Craftsmen, Groupement des entrepreneurs du bâtiment/Neobuild, Chamber of Crafts, Ecoinnovation Cluster, Ministry of the Economy, Chamber of Commerce, any company working on pilote projects



- Discussion about how to integrate the topic in school education
- Inventory of existing projects/measures
- Workshop with interested stakeholders in order to develop an action plan
- Stakeholders: Members of CE platform, ministries, high schools, SCRIPT, Chamber of Crafts, ...)

Circular Economy projects in Luxembourg



➤ Circular Economy Hot Spot Luxembourg June 20-22, 2017

- Incoming "trade mission" to present Luxembourg's achievements in the field
- Including the neighbouring regions
- **-** 150-200 people
- Best practice and experience exchange
- Networking

Circular Economy Hotspot Luxembourg 2017

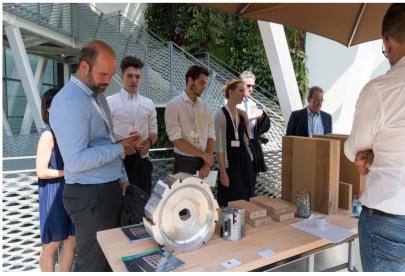












Circular Economy Hotspot Luxembourg 2017













Major pilot projects



- Urban areas
 - City of Wiltz
 - Kirchberg district
- > Industrial areas
- **>** Buildings
 - Dubai Pavilion
 - Automotive Campus

Pavilion World Expo Dubai 2020



Luxembourg's pavilion for the World Expo in Dubai 2020 will be cantered around connectivity and circular economy. The building will be designed to be reused after the

expo.



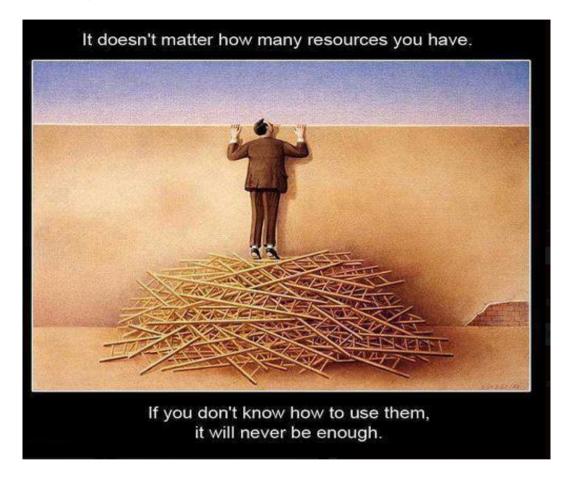
Metaform

> Automotive Campus





Use them wisely



Thank you for your attention

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