




Going circular at a regional scale: regions as frontrunners

CoR, Brussels, 31 January 2017 - Françoise Bonnet- ACR+



Association of Cities and Regions for sustainable resource management


International network

90 members
23 countries
1100 local authorities

1994
2014

Multi-stakeholders approach


Non profit international association



Publications
Conferences
Webinars
News

To promote a sustainable management of material resources through prevention at source, reuse and recycling

The Circular Europe Network in a nutshell



ACR+ Members & desk research (20 years experience)

Advisory Committee

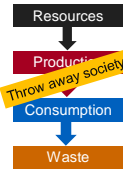
Cooperation with national networks

Information // viability

Political support (Promotion // viability)


From waste to resources...

Linear economy




Throw away society!!!!

Chain economy



Better... but not ideal

Circular economy




Close the loop!

From waste to resources

ACR+ vision: 5 pillars for circular economy

- Territorial hierarchy
- Multi-R approach
- The role of LRAs
- Shared governance
- New business models



LRAs = Facilitators

- Citizens
- Consumers
- Local enterprises, mainly SME's

via the Local and Regional Authorities (LRA)

LRA: Bridging actor

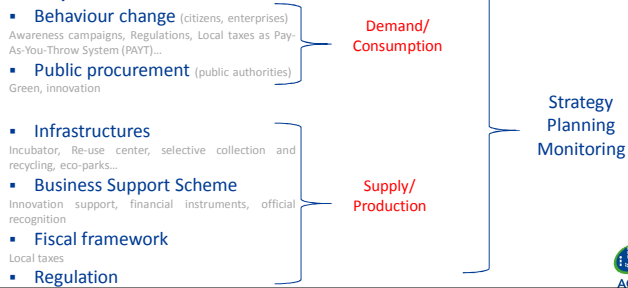


Multistakeholders





Large variety of levers



The Regional level

Regions include **different kind of territories** : urban and rural – how to combinem them, how to **create synergies**, incentives,...

Complementarity with other levels of competencies (cities): a regional strategy must be an encompassing strategy

In some Member States: important administrative competences that make the difference

→ **NEED to strengthen LRAs capacities**

HOW to strengthen LRAs capacities ?

1. Strategic planning and evidence-based management allowing the formulation and monitoring of objectives and goals;
2. Stakeholders' involvement in all components of the policy cycle (design, decision, production and evaluation);
3. Appropriate administrative structures (ministries, agencies, fusion of organisations, etc.);

Source: EIPA

HOW to strengthen LRAs capacities ?

4. Simplification and rationalisation of administrative procedures
5. Management of partnerships with different crucial actors in the field (e.g. other governmental bodies, NGOs, private and business partners);
6. Results orientation: impact assessment, evaluation, monitoring and audit to assure the transparency and accountability in terms of efficiency and effectiveness;
7. Socially responsible behaviour: ethical, environmental, non-discrimination, gender equality;

Source: EIPA

Frontrunners

- Auvergne-Rhône-Alpes Region strategy for circular economy
- Brussels Regional Programme for a Circular Economy
- Catalunya
- Circular Friesland strategy
- Flanders Materials Programme
- Liguria Circular
- Nord Pas de Calais: the Third Industrial Regional Master Plan
- Making things last in Scotland



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Brussels regional plan for circular economy (PREC)

- Based on experience of Employment-Environment Alliance (2009-2014) + urban metabolism study
- 111 measures in 4 parts: transversal, territorial, governance, sectorial
- Sectorial public-private actions plans on circular economy (Resource/Waste, Construction, Logistic, Retail, Food)
- Examples of focus: eco-design, product-service systems, support to SMEs & innovative businesses




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Liguria Circular

- **Permanent regional forum on circular economy** created by the city of Genoa & AMIU

LIGURIA CIRCULAR
forum permanente sull'economia circolare

- 3 main actions:
 - Development of Circular Economy projects in Liguria.
 - **4 working groups** (Food waste reduction; Resource efficient buildings; Sustainable products design; Waste as Resource)
 - **Dissemination** of Circular Economy culture
 - **Networking** between all local stakeholders and with the national and EU levels
- Various **projects** under construction (reprocessing of products, ICT tools, industrial processes, 3D printing based on recycled plastics, etc.)




Making things last in Scotland

- Strategy developed by **Scottish government & Zero Waste Scotland**

Making Things Last
A Circular Economy Strategy for Scotland

- **Focus on 4 themes:**
 - Food & drink and bio-economy;
 - Remanufacture;
 - Construction;
 - Energy infrastructure
- **Legal framework** to preserve resources (+ procurement reform in 2014)
- Circular Economy **Investment Fund** (to support SMEs)
- **Education & communication** (including coaching and branch agreements)



The local and regional authorities : Key messages

- LRAs are the **Facilitators** on their territory towards circular economy
- The transition towards circular economy includes a **societal challenge**: requires a **change of behavior** from both **producers and consumers**
- Research and **Innovation** are key in order to achieve our transition towards circular economy;
- **Multistakeholders** approach and **complementarity** must be key drivers

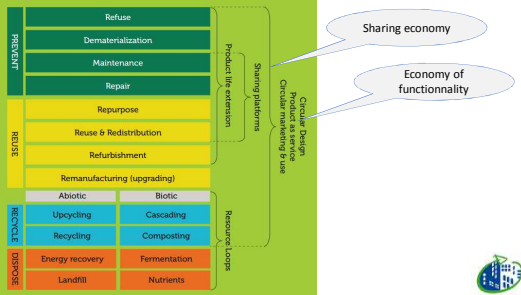


Thank you!

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Economic aspect: New business models



The diagram illustrates the circular economy hierarchy, categorized into four main stages:

- PREVENT:** Refuse, Dematerialization, Maintenance, Repair.
- REUSE:** Repurpose, Reuse & Redistribution, Refurbishment, Remanufacturing (upgrading).
- RECYCLE:** Abiotic (Upcycling, Recycling), Biotic (Cascading, Composting).
- DISPOSE:** Energy recovery, Landfill, Fermentation, Nutrients.

Additional concepts shown include: **Sharing platforms** (linked to Repair, Repurpose, Reuse & Redistribution, Refurbishment, Remanufacturing), **Product life extension** (linked to Repair, Repurpose, Reuse & Redistribution, Refurbishment, Remanufacturing), and **Resource loops** (linked to Abiotic, Biotic, Recycling, Composting, Fermentation, Nutrients).

Callouts indicate **Sharing economy** and **Economy of functionality**.

<http://www.govspocircular.com/media/1354/governments-going-circular-dgz-feb2015.pdf>

