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APPETITE FOR INNOVATION

Agri-Food Competitive
Cluster of Wallonia

EuroChile Conference, 22th of March 22



6 Competitive Clusters in Wallonia (BE)



Some key figures



Our strategic Areas

Connected & Sustainable AgriFood System

- Protein food chain in Wallonia
- Circularity for food by-products

Efficiency & Transparency in Industry

- Improved food safety & transparency
- Reduction of negative impact of food packaging

Nutrition & Consumer

- Improved nutritional value of Food products



Universities & RTO's



Companies

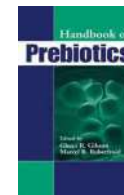


A long (hi)story...



UCLouvain

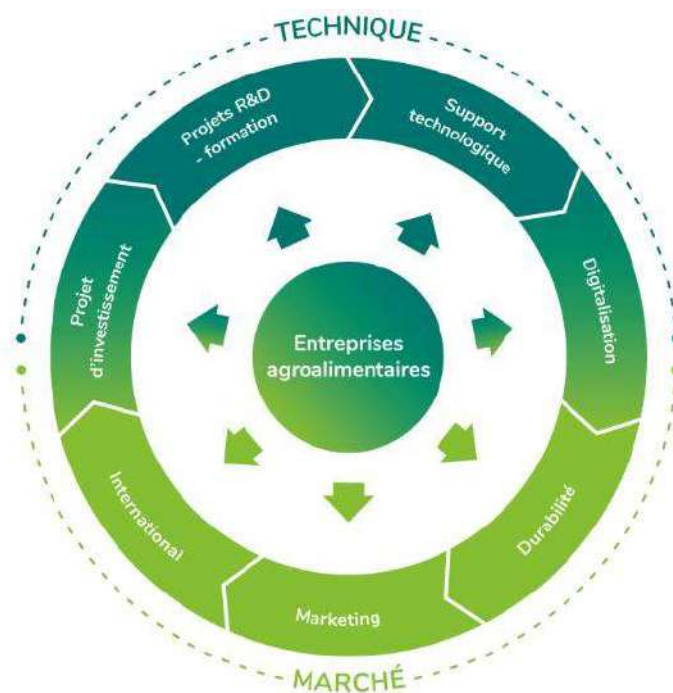
**LIÈGE université
Gembloux
Agro-Bio Tech**



Nos services

Mise en réseau

Wagralim vous met en contact en Belgique et à l'international avec des industriels, sociétés de service et d'équipement, partenaires institutionnels et académiques, centres de recherche et de formation.



Innovation

Nous sommes le partenaire de référence en matière d'innovation technologique, business ou managériale dans le domaine agroalimentaire.

Collaborative Projects

some examples

Research: vegetable light recipes



Research: functional ingredients for the elderly



Training: Mobile Training Units for Industry



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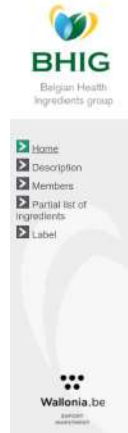
International Collaborations

some examples



BHIG

Belgian Health
Ingredients group



BHIG
Belgian Health
Ingredients group

- Home
- Description
- Members
- Partial list of ingredients
- Label

Walonia.be



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- Mental health
- Cardiovascular health
- Gut health and gut nutrition
- Preservation
- Clean label
- Acclimatization
- Antibiotics
- Weight management
- Immune system
- Muscle development

To face the challenges of tomorrow regarding wellbeing and nutrition, Belgian companies active in health ingredients decided to join forces. In 2012, they created the **Belgian Health Ingredients Group (BHIG)**. It covers several areas of expertise and therefore offers a wide range of solutions responding to specific health challenges in nutrition. All of the ingredients are from natural origin and are designed to meet your strict requirements. The BHIG is intended to propose a complete but customized solution to the health nutrition market.

It goes even one step further to establish itself as a key player on the market. To do so, the Group is developing a quality label with the contribution of a scientific committee.



VitafoodsTM
Europe




Hi Health ingredients
Europe

Ni Natural
ingredients

FT Expo
FoodTec



Nutribiota: Food ingredients interaction with the gut microbiota





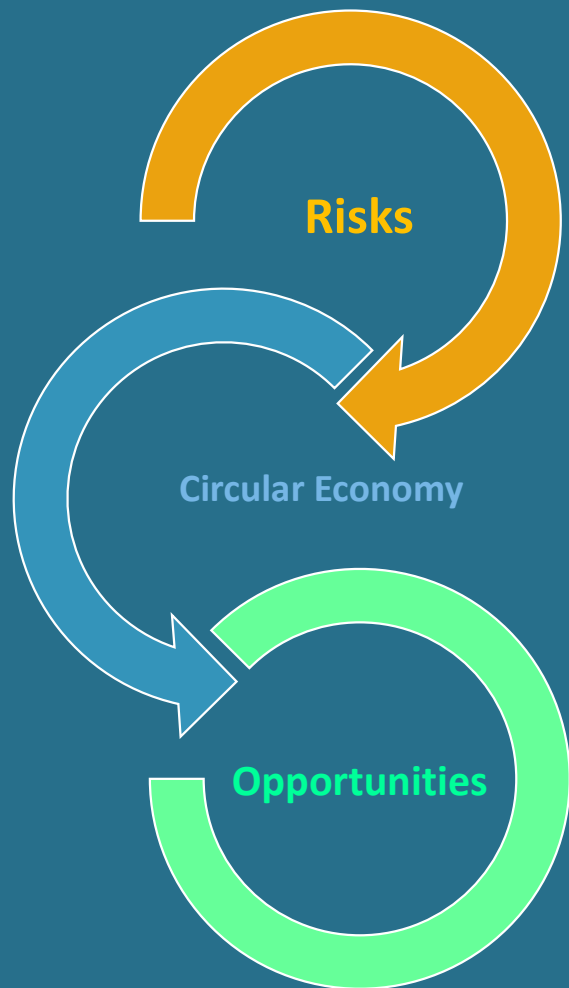
**Stratégie pilotée par le Ministre Borsus et co-pilotée
par les Ministres Morreale et Tellier**

Cellule de coordination :
Direction du Développement durable (SG) –
Direction de la Politique économique (SPW EER)



Vision for a circular Wallonia

1. **Carbon neutral** economy, **optimized use of resources**
2. **Resilient and inclusive** economy
3. **Innovation as a catalyst**



Risks

- Prix des matières premières plus élevé
- Raréfaction des ressources
- Déchets
- Impact environnemental

Circular Economy

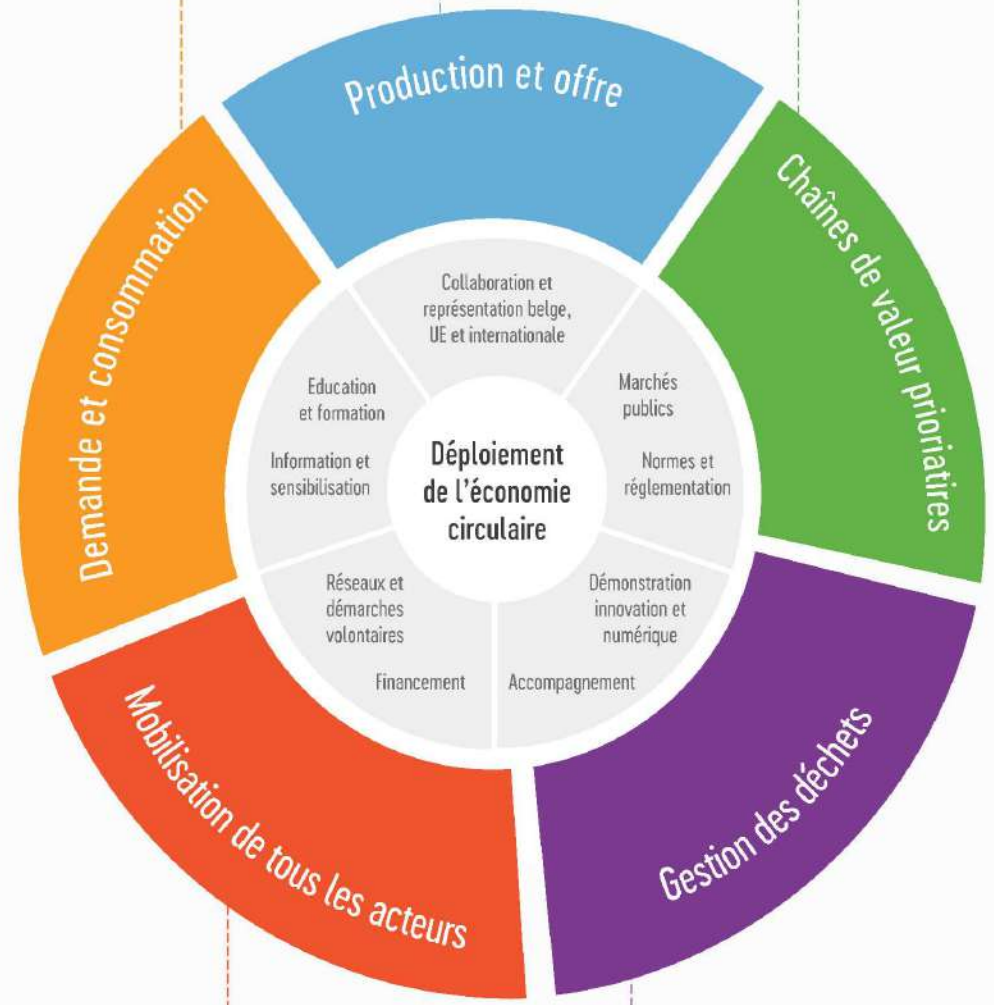
- Approvisionnement durable
- Ecodesign
- Remanufacturing
- Symbiose industrielle
- Nouveaux business models – économie de la fonctionnalité
- Ressources renouvelables - incorporation de matières recyclées
- Réparation, réutilisation, réduction

Opportunities

- Réduction et maîtrise des coûts opérationnels
- Améliorer la compétitivité
- Renforcer les relations clients – employés – fournisseurs
- Nouveaux marchés



5 action areas
10 ambitions
60 measures



Demand and consumption of circular goods & services

- Consommation responsable , achats circulaires
- Allongement de la durée d'usage (réemploi, réutilisation, réparation)

Production and offer of circular goods & services

- ✓ Approvisionnement durable
- ✓ éco-conception, design circulaire, remanufacturing,...
- ✓ Symbiose industrielle
- ✓ Economie de la fonctionnalité

Mobilisation of all parties

- Education, formation de tous les acteurs
- Stratégie de communication
- Gouvernance
- Monitoring



Six value chains



Management of waste (PWDR)

- Prévention des déchets
- Recyclage de qualité

CHAINES DE VALEUR PRIORITAIRES – Coordinateurs



Europe

- En 2015, la Commission européenne a adopté un plan d'action visant à accélérer la transition de l'Europe vers une économie circulaire, à stimuler sa compétitivité au niveau mondial, à promouvoir une croissance économique durable et à créer de nouveaux emplois.
- Ce plan d'action prévoit 54 mesures pour «boucler la boucle» du cycle de vie des produits, depuis la production et la consommation jusqu'à la gestion des déchets et au marché des matières premières secondaires. Il définit également cinq secteurs prioritaires pour accélérer la transition tout au long de la chaîne de valeur (matières plastiques, déchets alimentaires, matières premières critiques, construction et démolition, biomasse et biomatériaux). Le plan met fortement l'accent sur la mise en place d'une base solide sur laquelle les investissements et l'innovation pourront s'appuyer pour se développer.

The European Commission has adopted a new Circular Economy Action Plan - one of the main blocks of the [European Green Deal](#), Europe's new agenda for sustainable growth.

The new Action Plan announces initiatives along the entire life cycle of products, targeting for example their design, promoting circular economy processes, fostering sustainable consumption, and aiming to ensure that the resources used are kept in the EU economy for as long as possible.

It introduces legislative and non-legislative measures targeting areas where action at the EU level brings real added value.

[Commission Communication: A new Circular Economy Action Plan For a cleaner and more competitive Europe](#) [New Circular Economy Action Plan website](#)

Source: ec.europa.eu

PUBLICATION | 11 MARCH 2020

Communication COM/2020/98: A new Circular Economy Action Plan For a cleaner and more competitive Europe

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Green Deal



An example of a **new green business model** is **carbon sequestration by farmers and foresters**. Farming practices that remove CO₂ from the atmosphere contribute to the climate neutrality objective and should be rewarded, either via the common agricultural policy (CAP) or other public or private initiatives (carbon market¹⁰). A new EU carbon farming initiative under the Climate Pact will promote this new business model, which provides farmers with a new source of income and helps other sectors to decarbonise the food chain. As announced in the **Circular Economy Action Plan (CEAP)**¹¹, the Commission will develop a regulatory framework for certifying carbon removals based on robust and transparent carbon accounting to monitor and verify the authenticity of carbon removals.

The **circular bio-based economy** is still a largely untapped potential for **farmers and their cooperatives**. For example, **advanced bio-refineries that produce bio-fertilisers, protein feed, bioenergy, and bio-chemicals** offer opportunities for the transition to a climate-neutral European economy and the creation of new jobs in primary production. Farmers should grasp opportunities to reduce methane emissions from livestock by developing the production of **renewable energy** and investing in anaerobic digesters for biogas production from agriculture waste and residues, such as manure. Farms also have the potential to **produce biogas** from other sources of waste and residues, such as **from the food and beverage industry**, sewage, wastewater and municipal waste.

The Commission will take action to scale-up and promote sustainable and socially responsible production methods and **circular business models** in **food processing and retail**, including specifically for **SMEs**, in synergy with the objectives and initiatives put forward under the new CEAP. The deployment of a **circular** and sustainable EU Bioeconomy provides business opportunities, for instance linked to **making use of food waste**.



A new Horizon Europe partnership for “Safe and sustainable food systems for people, planet and climate” will put in place an **R&I governance mechanism engaging Member States and food systems actors from farm-to-fork**, to deliver innovative solutions providing co-benefits for nutrition, quality of food, climate, **Or Wagralim and sept 2020**.

Farm to Fork Strategy

For a fair, healthy and environmentally-friendly food system

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Circular Economy



Concepts

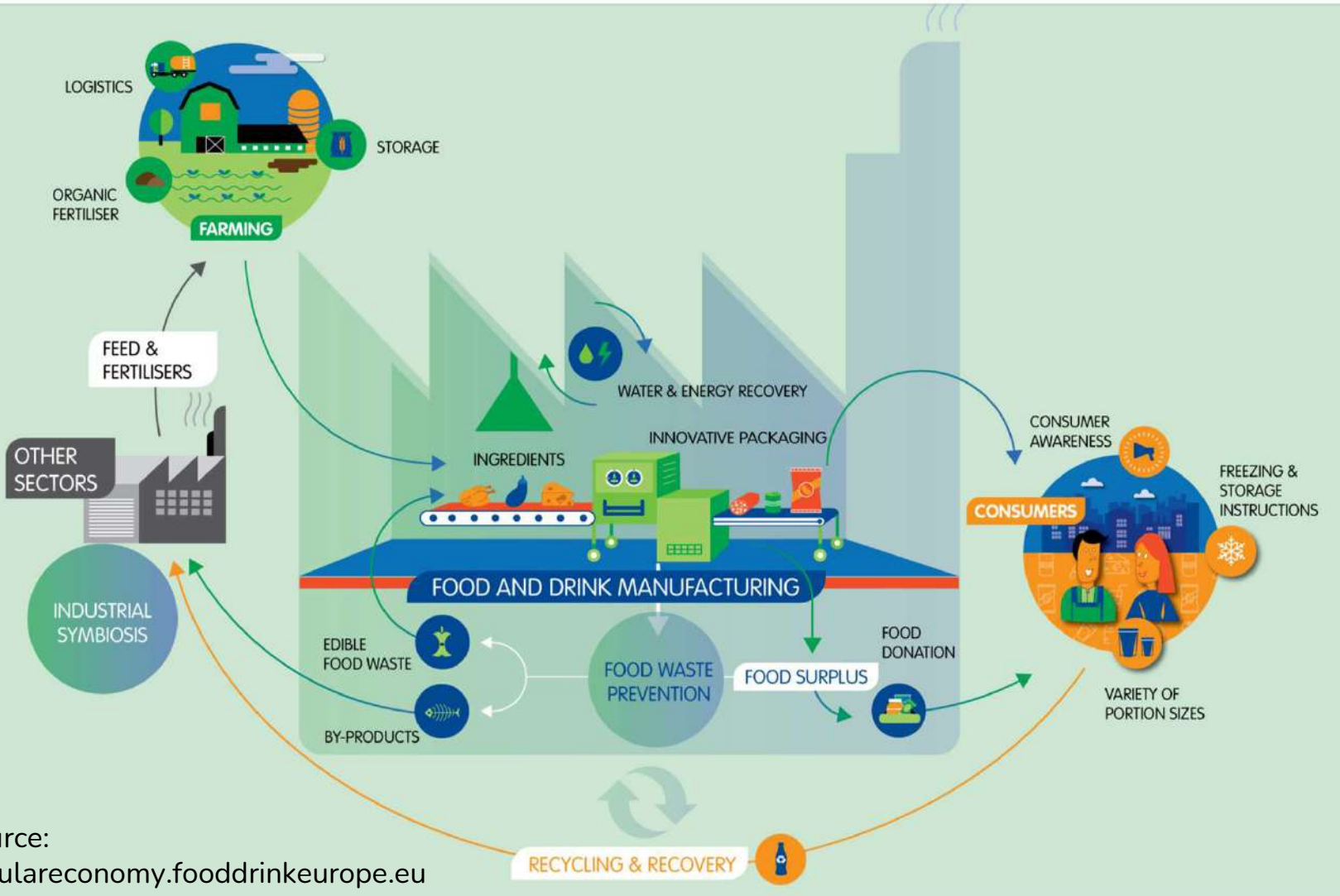
- Sustainability



- Circularity

- Circularity as a contribution to sustainability
 - Social, Economic, Environmental





Source:
circulareconomy.fooddrinkeurope.eu

Four levers towards a circular economy of food:

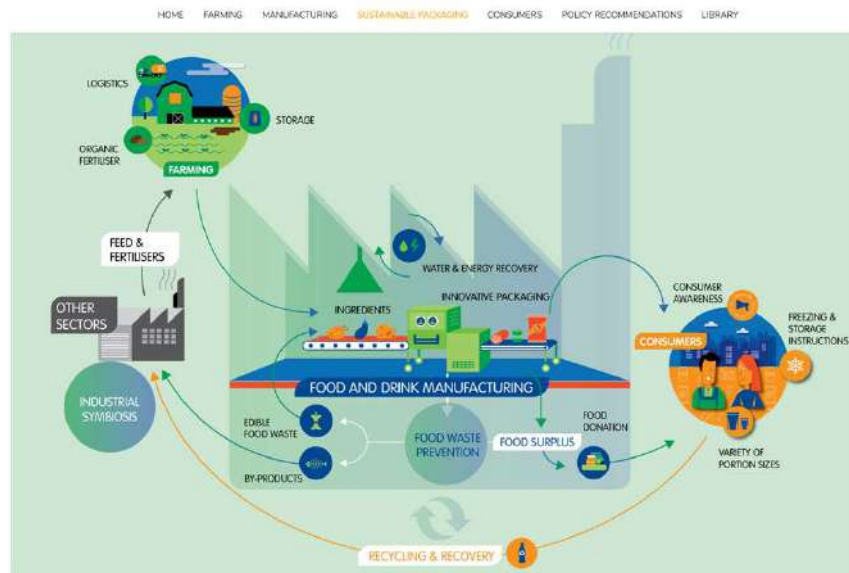
1. **Close loops of nutrients and other materials** — returning nutrients to farms, regenerating soils, directing nutrient flow from wastewater, strengthening soils and reducing reliance on artificial fertilisers
2. **Cascading value from by-products** — recovering valuable chemicals, medicines and energy, thus providing — alternative renewable feedstocks, stimulating the bio-economy and eliminating externalities.
3. **Diversity of production** — establishing **shorter supply chains** between farmers and retailers/consumers, reduce the waste associated with transport, creates local jobs and strengthens resilience as well as urban-rural links.
4. **The power of digital and other enablers** — digital allows you to measure, track and locate food and other organic materials with more precision allowing better management and allocation of resources; policy and education are also powerful enablers for steering and empowering.

Source:
Medium.com

Wagrality Circular Strategy

Short agriFood chains : e.g. plant based proteins

Innovation: inspiration based on an international benchmark




Valorization of non- or low valorized food by-products

Water circularity

Packaging + ecodesign of Pack.

Contact us

 **Maison de l'Industrie
Technologique**
Rue Auguste Piccard, 20
6041 Gosselies
Belgium

 +32 (0) 71 919 286

 info@wagralim.be

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Avec le soutien de

