

#beCircular Annual Meeting 2017

Regional Programme for a Circular Economy:
First results and perspectives



12/09/2017
BRUSSELS





AGENDA OF THE DAY

#beCircular



Agenda of the morning sessions

8:30	Opening and Welcome	Atrium
9:00	Political Visions	] Auditorium
9:20	Cross Views on Circular City	
9:35	The Built Environment : The Construction Sector	] Auditorium
10:20	Commerce	
11:10	Take A Break	Atrium
11:30	Resources and Waste : A Closed-Loop Economy	] Auditorium
12:20	The Circular Economy : Here, Abroad, Together	
13:00	Lunch	Atrium

Agenda of the afternoon sessions

14:00

Political Vision

14:10

Introduction of the Parallel Sessions

Auditorium

14:15

Workshops

Parallel Sessions



Floor 3
Amanita
-
Barbula



Floor 2
Salamandra
-
Libellula



Floor 1
Aqua



Floor 1
Terra



Floor 1
Sylva



Groundfloor
Auditorium

16:20

Summary of the Workshops and Conclusion

Auditorium

17:00-18:30

Cocktail

Atrium

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**SSID : be circular annual meeting
WPA2 / password : becircular2017**

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WELCOME REMARKS AND POLITICAL ADDRESSES

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WELCOME REMARKS AND POLITICAL ADDRESSES



Céline FREMAULT,
Minister of the Government
of the Brussels-Capital
Region, responsible for
Housing, Quality of Life,
Environment and Energy



Didier GOSUIN,
Minister of the Government
of the Brussels-Capital
Region, responsible for
Economy, Employment
and Vocational Training



Antoinette GUHL,
Deputy Mayor of Paris,
Social and Socially
Responsible Economy,
Social Innovation and
Circular Economy



Laura JÄRVINEN,
Circular Economy
Specialist, SITRA



Céline Fremault



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L'économie circulaire à Paris

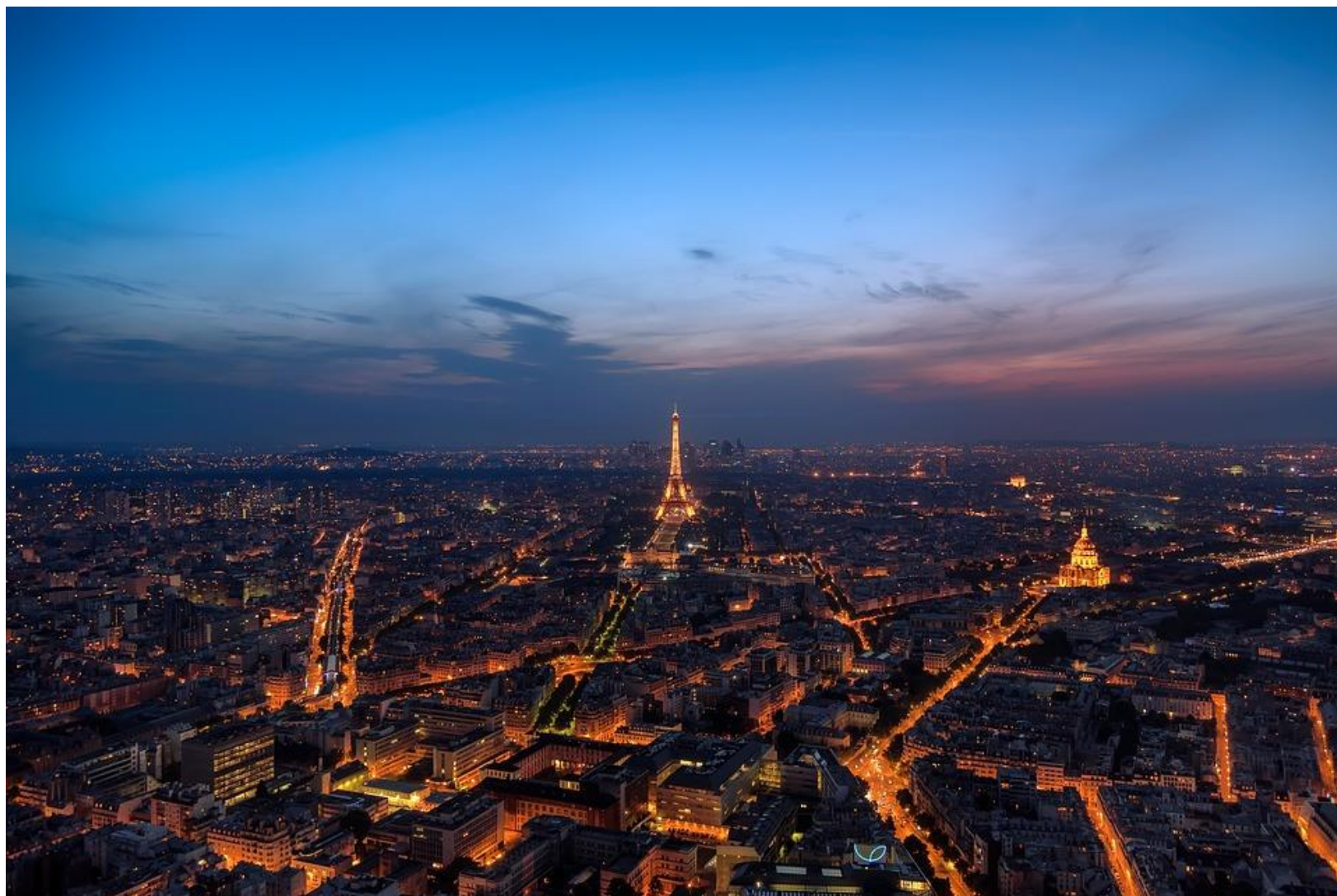


Antoinette GUHL,
Deputy Mayor of Paris,
Social and Socially
Responsible Economy,
Social Innovation and
Circular Economy

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MAIRIE DE PARIS



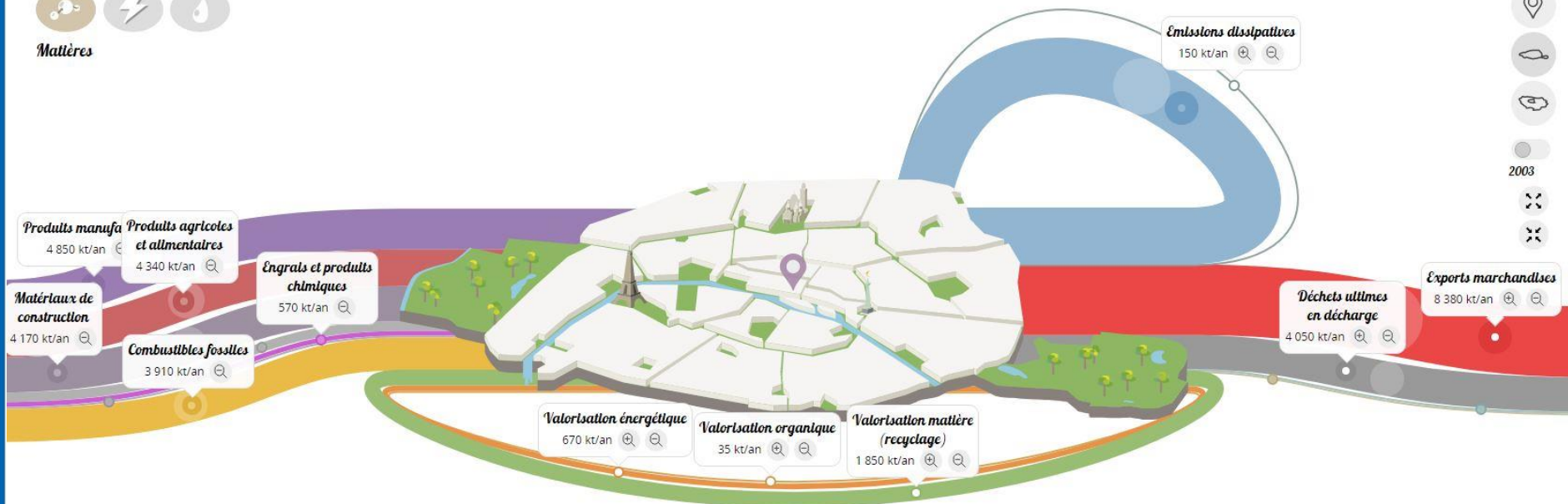


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Matières



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MAIRIE DE PARIS



PARIS SE DOTE D'UN PLAN ECONOMIE CIRCULAIRE 2017-2020



**15 ACTIONS À L'ÉCHELLE DE L'ADMINISTRATION MUNICIPALE,
DU TERRITOIRE PARISIEN ET DE LA MÉTROPOLE DU GRAND PARIS
POUR RÉDUIRE LA PRODUCTION DE DÉCHETS
ET VALORISER LA RÉCUPÉRATION, LE RÉEMPLOI, LE RECYCLAGE**



Matières



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Les matériaux de construction



Les pavés parisiens



La déconstruction plutôt que la
démolition

Les matériaux de construction



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Les matériaux de construction



Matériaux de réemploi



Portes palières en chêne
Réhabilitation d'un immeuble de logement de Paris-Habitat



Isolants en laine de roche
Dépose de la toiture d'un centre commercial



Caillebotis bois
Opération Paris-Plage



Tasseaux de chêne
Surplus de commande d'un immeuble de bureaux



Plexiglass
Erreur de commande, stock des services techniques



Chevrans pin Douglas
Stock entreprise de charpente



Chaises bois
Collecte auprès des déchetteries parisiennes



Panneaux de contreplaqué
Cimaises d'expositions temporaires



Luminaires de voirie
Dépose de l'éclairage urbain



Les matériaux de construction



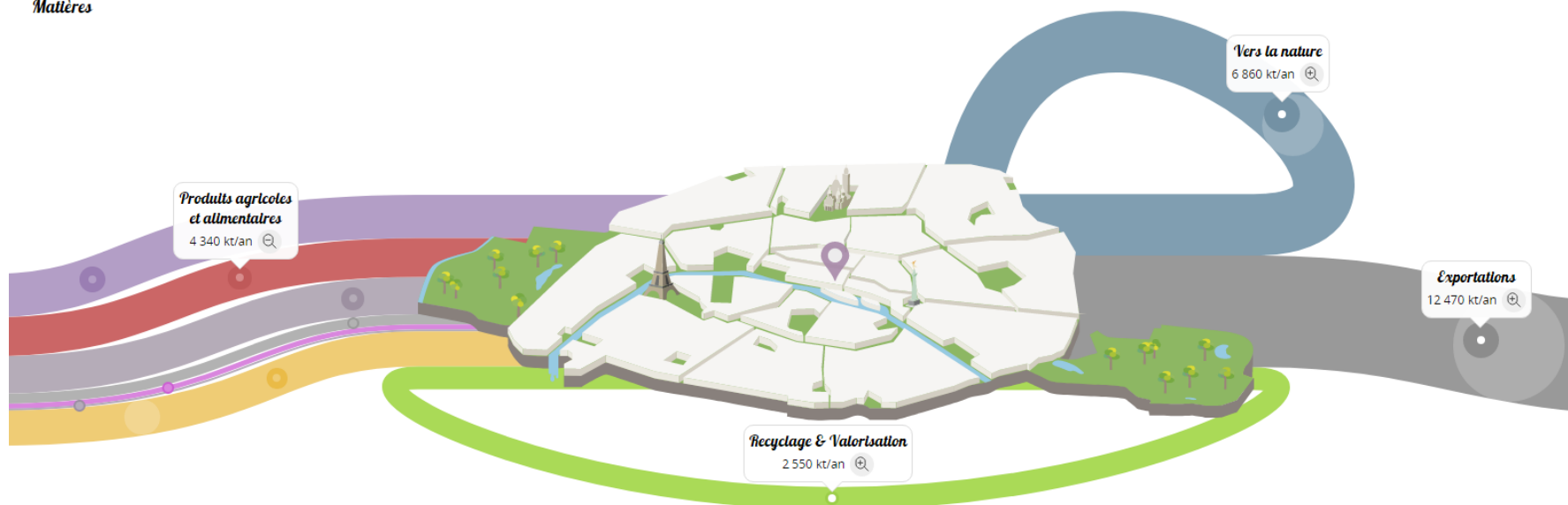
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Matières



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La production agricole et alimentaire



Le compost



La collecte des bio-déchets



La lutte contre le gaspillage alimentaire

La production agricole et alimentaire



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DECHETS,
MOINS
C'EST
MEILLEUR



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MAIRIE DE PARIS 



La production agricole et alimentaire

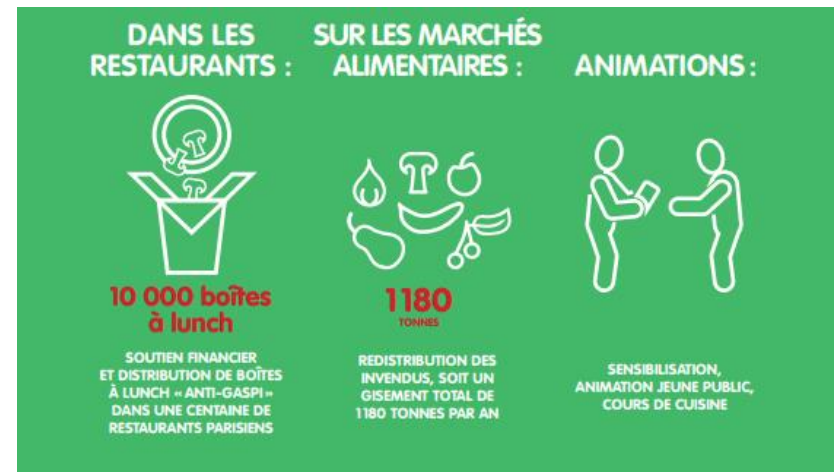


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La production agricole et alimentaire





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Les leviers d'action

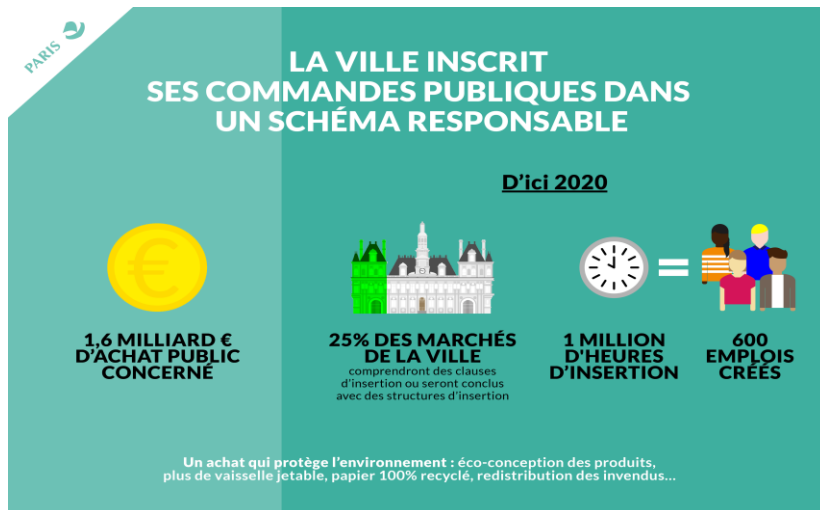


L'accompagnement économique



La mise en réseau

L'appui économique



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La mise en réseau au niveau Parisien

**Les
Canaux**
pour l'économie
solidaire & innovante



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La mise en réseau au niveau international



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Laura Järvinen



Laura JÄRVINEN,
Circular Economy
Specialist, SITRA

Laura Järvinen



Laura JÄRVINEN,
Circular Economy
Specialist, SITRA



#BECIRCULAR IS CONCRETE ACTION!

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THE BUILT ENVIRONMENT : THE CONSTRUCTION SECTOR

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THE BUILT ENVIRONMENT : THE CONSTRUCTION SECTOR



Isabelle SOBOTKA,
Coordinator of the
Construction component
of RPCE, Brussels
Environment



Lionel BILLIET,
Researcher, Rotor



Maarten GIELEN,
Collaborator, Rotor



Benjamin CADRANEL,
General manager,
Citydev.brussels



Marie-Hélène BORIE,
Directorate of
Architecture and Heritage,
City of Paris



Julien CHOPPIN,
Architect, founding partner
of 'Encore Heureux'



THE BUILT ENVIRONMENT : THE CONSTRUCTION SECTOR



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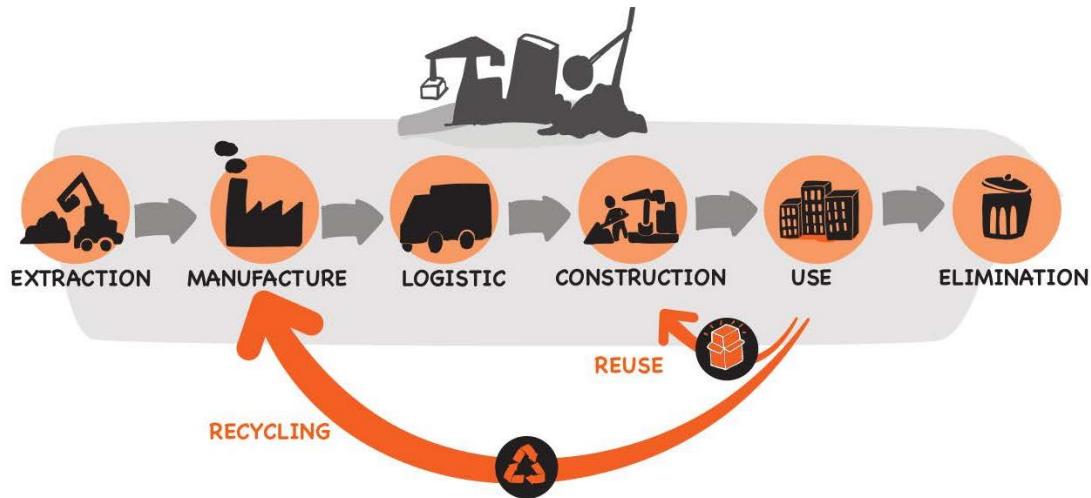
Benjamin CADRANEL,
General manager,
Citydev.brussels

Experiences
from Brussels
Capital Region

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CONSTRUCTION sector

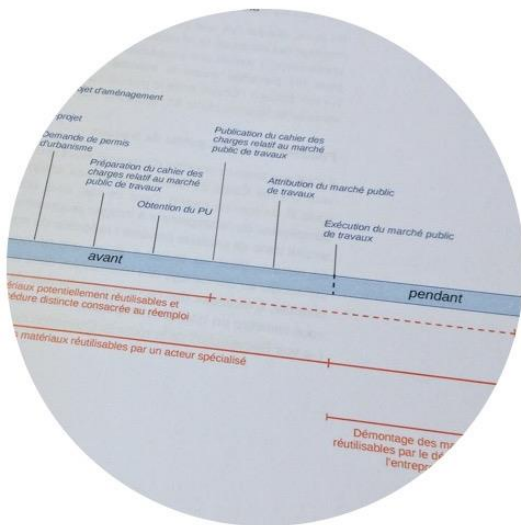


STAKES

THE SECTOR...

- Consumes **20% of the resource** flows entering Brussels.
- Produces around **30% of non-domestic waste**.
- Represents more than 12.000 businesses and **20.000 workers** in Brussels.

Onderzoek
& advies



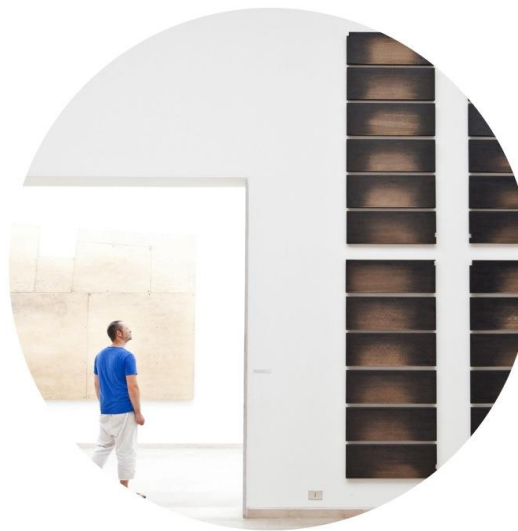
Ontmanteling
& verkoop



Ontwerp



Tentoonstellingen
& publicaties



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PREC Construction en action!

1. SOUTIEN A LA CREATION

- Coopérative Baticrea
- Hébergement
(incubateur Greenbizz)

5. SOUTIEN A L'INNOVATION

- AP : « chantiers circulaires »
- Echange : recherche / terrain

2. SOUTIEN A L'ACQUISITION DE COMPETENCES

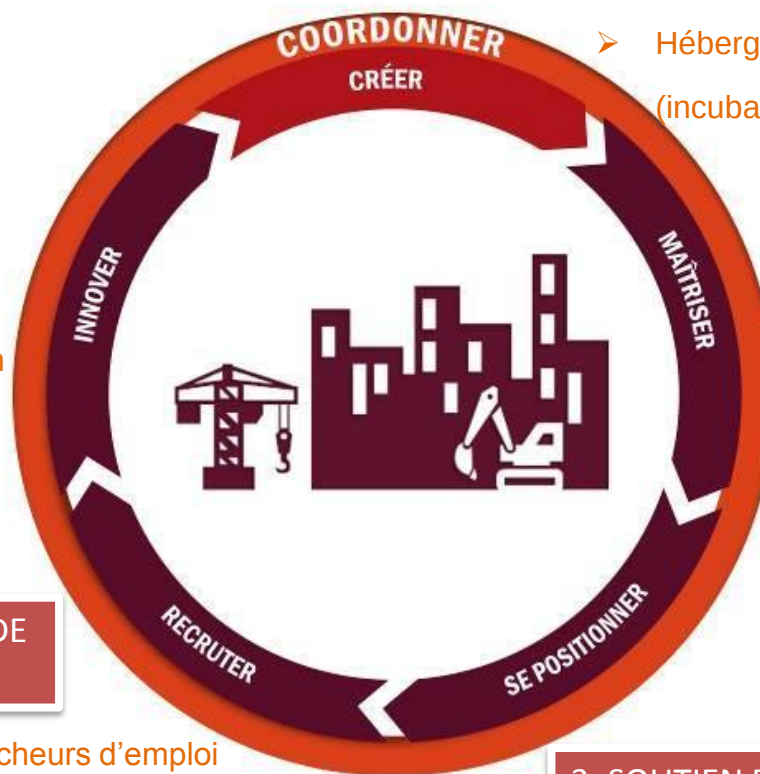
- Sensibilisation
- Développement de formations

4. MISE EN CAPACITE DE LA MAIN D'OEUVRE

- Formation des chercheurs d'emploi
- Projets pilotes dans les écoles
BRIC / MODULL2.0

3. SOUTIEN POSITIONNEMENT

- Grappes d'entreprises
- Marché public





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IRISPHERE
Création de synergies entre entreprises

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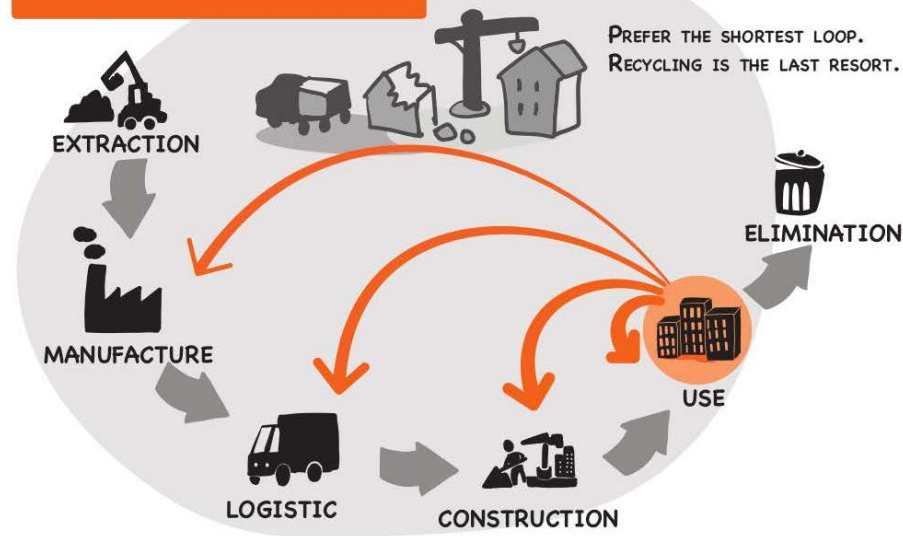




cityfab 1
.brussels
by citydev.brussels

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2025



VISION

- The sector produces practically **no waste**.
- The **resources used**, due to the built environment, have **diminished**.
- The local enterprises integrate the **circular economy** principles and benefit from a competitive advantage.
- **Newly trained job seekers** are being hired by these enterprises.

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Conférences & débats

MAIRIE DE PARIS



L'ECONOMIE CIRCULAIRE DANS LE BÂTIMENT

Un beau programme désormais engagé.



Marie-Hélène BORIE,
Directorate of
Architecture and Heritage,
City of Paris

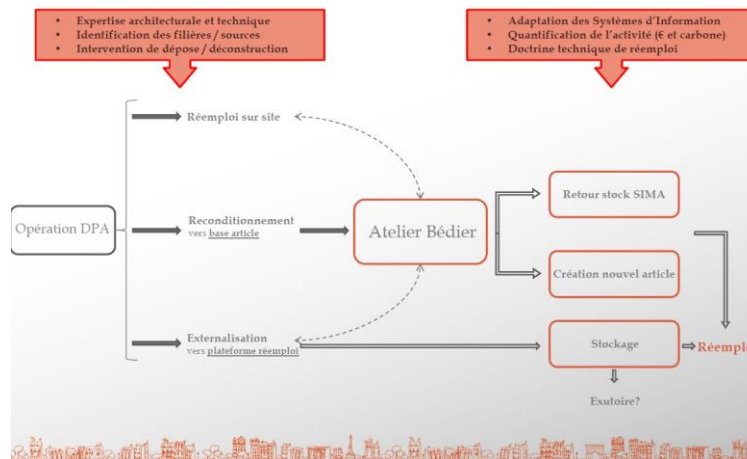
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La DPA en chiffres

- 1400 agents dont 900 ouvriers
- Exploitant technique de **3600 bâtiments** – **3,2 millions de m²** dont 0,7 million de locaux de travail et **2400 centres thermiques**
- Maître d'ouvrage pour les équipements et locaux sociaux de la Ville avec 3 typologies d'opérations:
 - Les travaux en régie : environ 50 M€/an
 - Les travaux de réparation et de gros entretien : environ 100M € /an pour 2500 opérations en moyenne
 - Les travaux de construction neuve ou de grosses rénovations : 600M € /mandature pour une centaine d'opérations

Expo «
« Matière
grise »
Pavillon de
l'Arsenal



2014

Aménagement
Salon Chéret
Hôtel de Ville

-Réalisation
**Pavillon
Circulaire** (Cop
21)

2015

Échange avec
les acteurs de
la
construction
sur les « **100
équipements
publics de la
Ville de Paris
2014-2020** »

2016



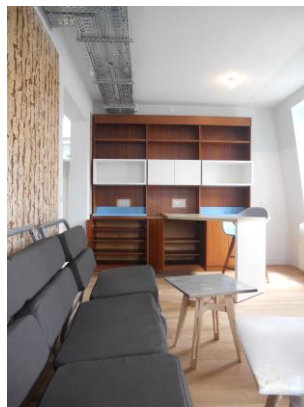
2017

Formation par le
REFER
des agents de la
régie

Ouverture de
**l'atelier du
Réemploi à
Bédier**

Chantiers de
moblier en
réemploi **Bédier
et Maison des
canaux**

2018....



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Sous forme de présentoir



Expo «
« Matière
grise »
Pavillon de
l'Arsena

Lancement
Partenariat **CSTB** sur
grandes opérations

Partenariat **ADEME**
sur analyse du cycle
de vie

Études réemploi et
gisement **crèche**
Justice

Mataboxes
distribuées dans
toutes les
Sections
opérationnelles

Partenariat
entre Paris et
Plaine
Commune sur
l'économie
circulaire

2014

2015

2016

2017

2018.....

intra Paris



#RÉEMPLOI
La plateforme des matériels recyclés

ACCUEIL ANNONCE RECHERCHER S'AUTHENTIFIER

Les dernières offres



Jardinage
Palissade en bois
Palissade à récupérer rapidement

Du 04/09/2017 au 05/09/2017



Mobilier de bureau
Crayon
Quelques crayons

Du 04/09/2017 au 04/09/2017



Autres:
Bancs publics
Des bancs publics disponibles

Du 04/09/2017 au 05/09/2017

Que puis-je recycler ?



Matériaux
Pavés, pierre, sable, pièces de bois,
muck, terre végétale, gravats, papier
kraft...



Mobilier urbain et d'extérieur
Mobilier de voirie et parcs, éclairage
publics, jeux d'extérieur...



Pièces techniques et quincaillerie
Électronique, serrurerie, maçonnerie,
menuiserie, plombierie...



Mobilier de bureau et petit équipement
Tables, chaises, lampes, étagères,
scanner...

Formation par le
REFER
des agents de la
régie

Ouverture de
l'atelier du
Réemploi à
Bédier

Lancement de la
Plateforme
d'échanges
intranet inter-
directions
Ville de Paris

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Expo «
« Matière
grise »
Pavillon de
l'Arsenal

Convention
**Hesus Terres
polluées**
Chantier
Stade Suchet



Lancement
Partenariat CSTB sur
grandes opérations

Partenariat ADEME
sur analyse du cycle
de vie

Études réemploi et
gisement **crèche
Justice**

Mataboxes
distribuées
dans toutes les
Sections
opérationnelles

Partenariat
entre Paris et
**Plaine
Commune** sur
l'économie
circulaire

2014

2015

2016

2017

2018....

Aménagement
Salon Chéret
Hôtel de Ville

Échange

Formation par le
REFER

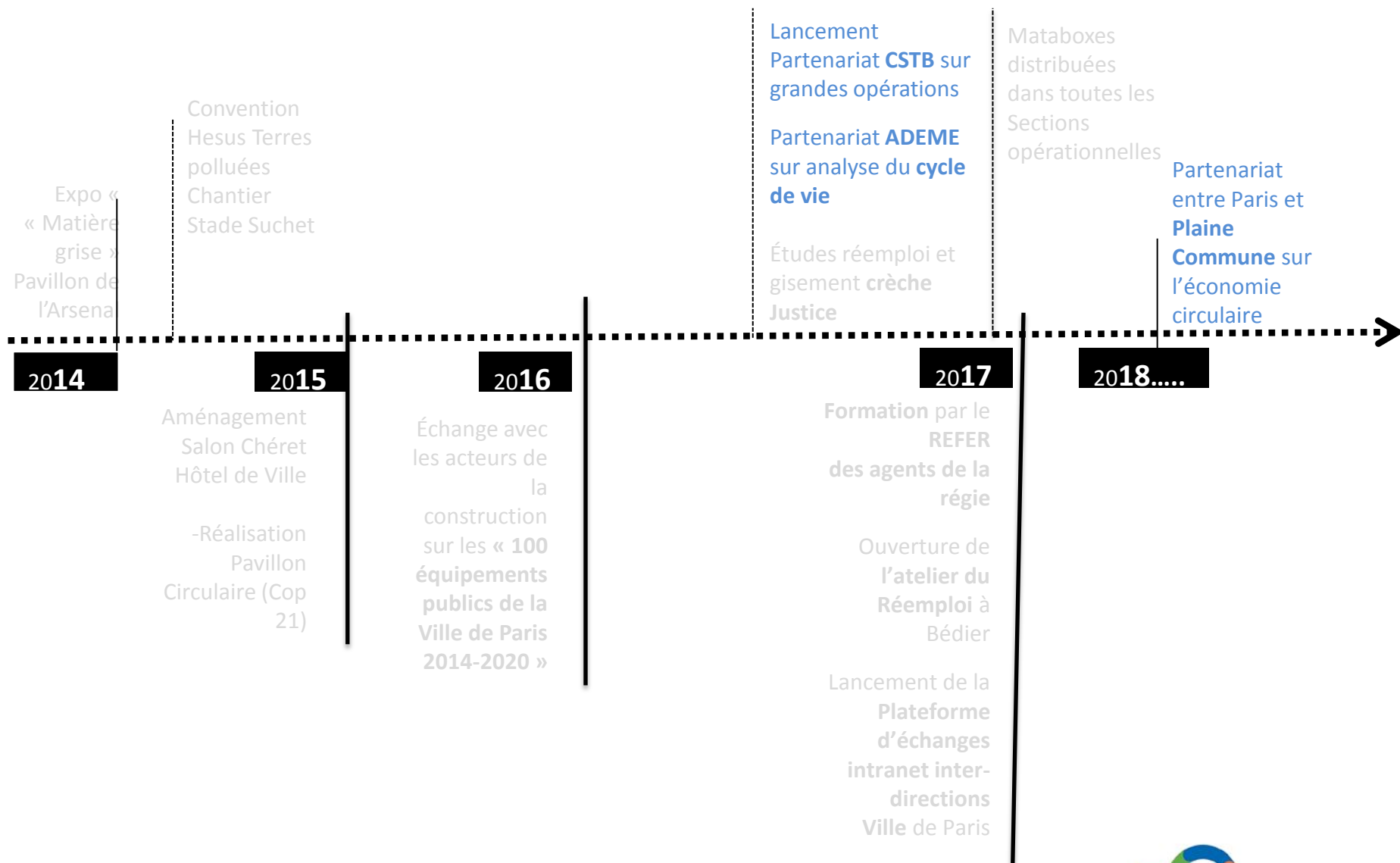


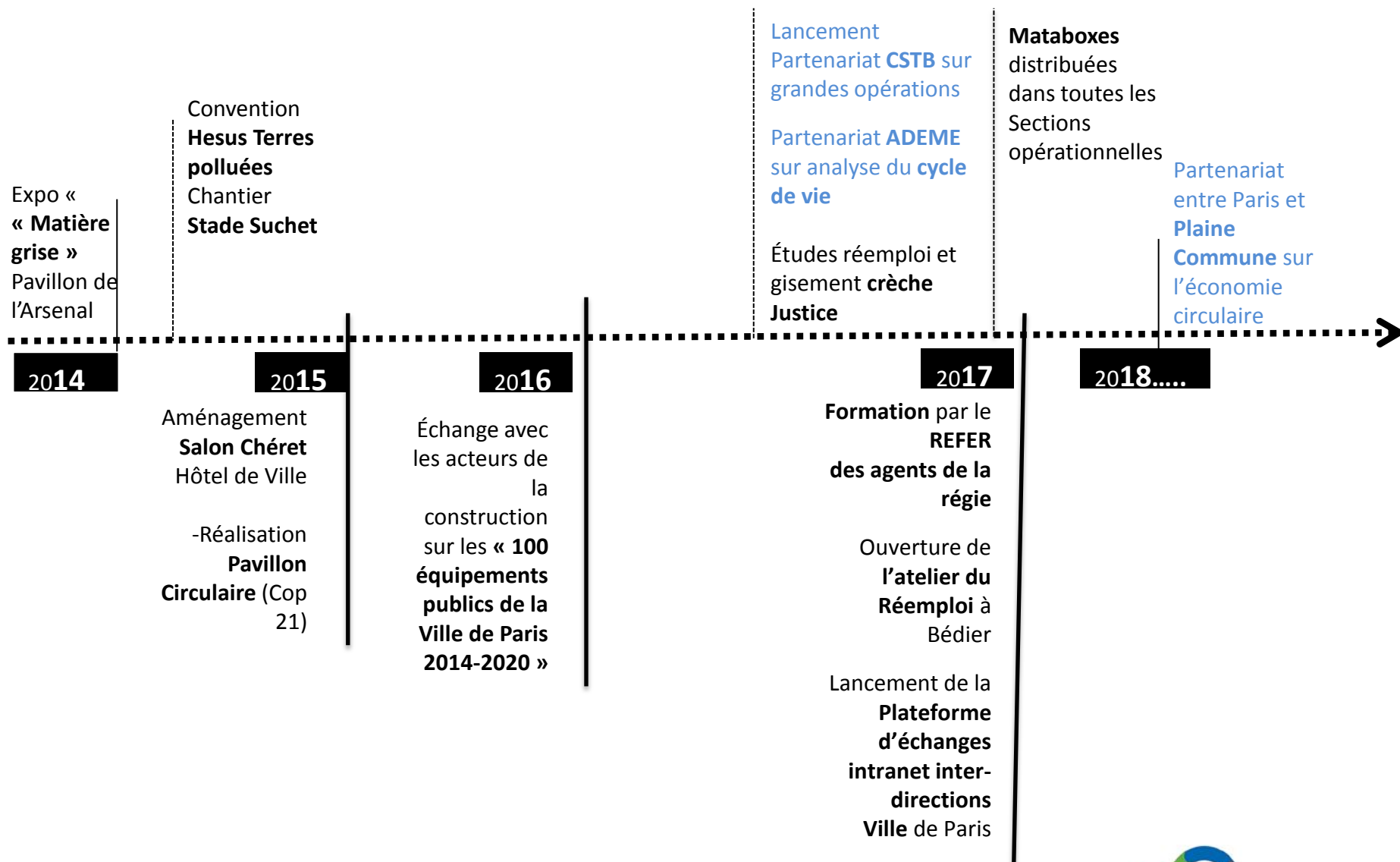
Logements de la RIVP, boulevard Mortier, 75000 Paris MOA : RIVP		Diagnostic ressources 10/04/17 Bellestock	
Composant	Porte palière		
Emploi d'origine	Porte palière		
Gisement	Logement collectif		
Nomenclature	INT PORTE-VECTURE		
Phase DIAG Diagnostic des performances Fiche 1.1 Reconnaissance in situ : Porte palière			

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Conférences & débats

À LA RECHERCHE DU RÉEMPLOI

Julien Choppin



Julien CHOPPIN,
Architect, founding partner
of 'Encore Heureux'

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MATIÈRE GRISE / PARIS / 2014



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SALON CHÉRET / PARIS / 2015



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SALON CHÉRET / PARIS / 2015



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SALON CHÉRET / PARIS / 2015



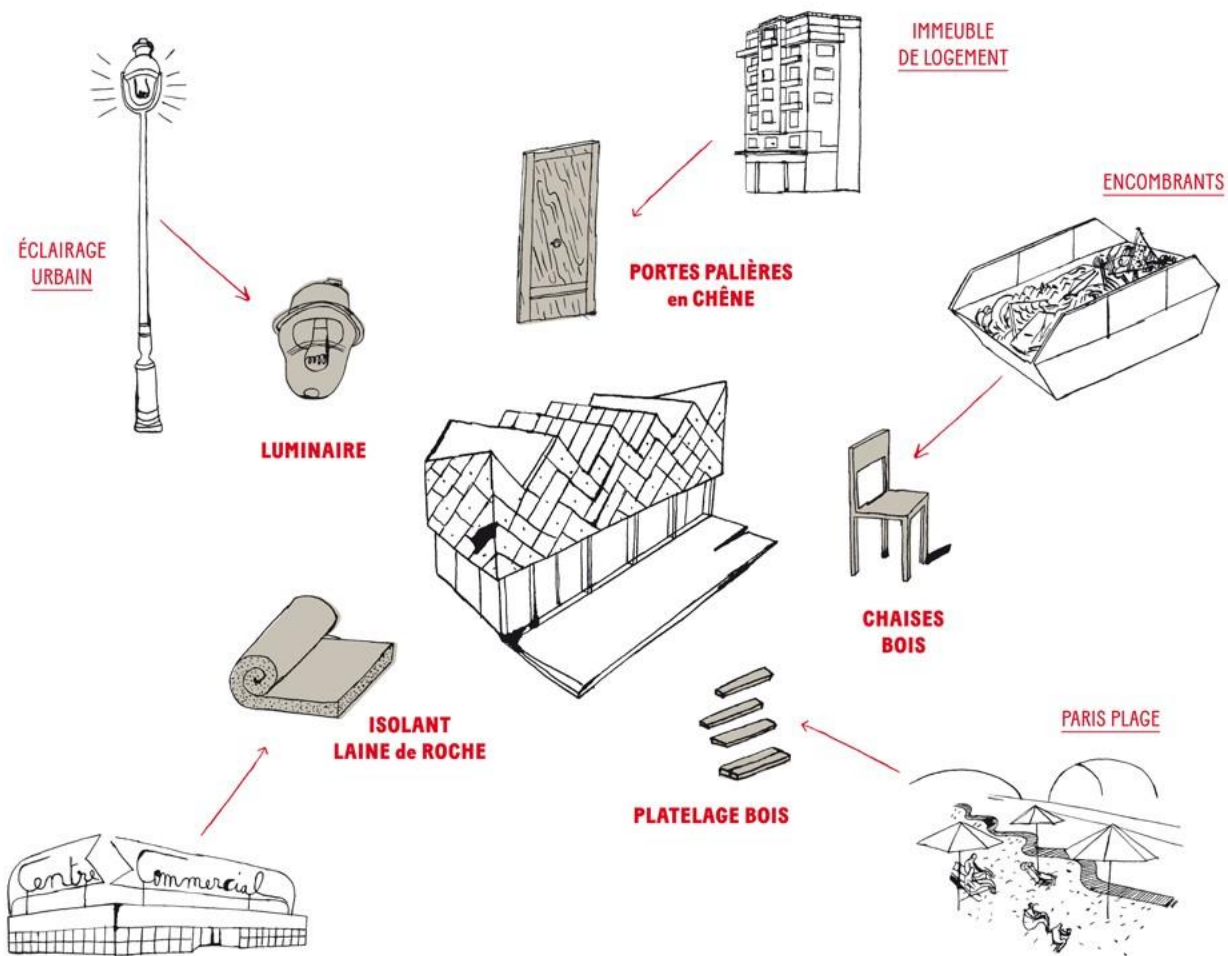
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SALON CHÉRET / PARIS / 2015



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PAVILLON CIRCULAIRE / PARIS / 2015



PAVILLON CIRCULAIRE / PARIS / 2015



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PAVILLON CIRCULAIRE / PARIS / 2015



#beCircular

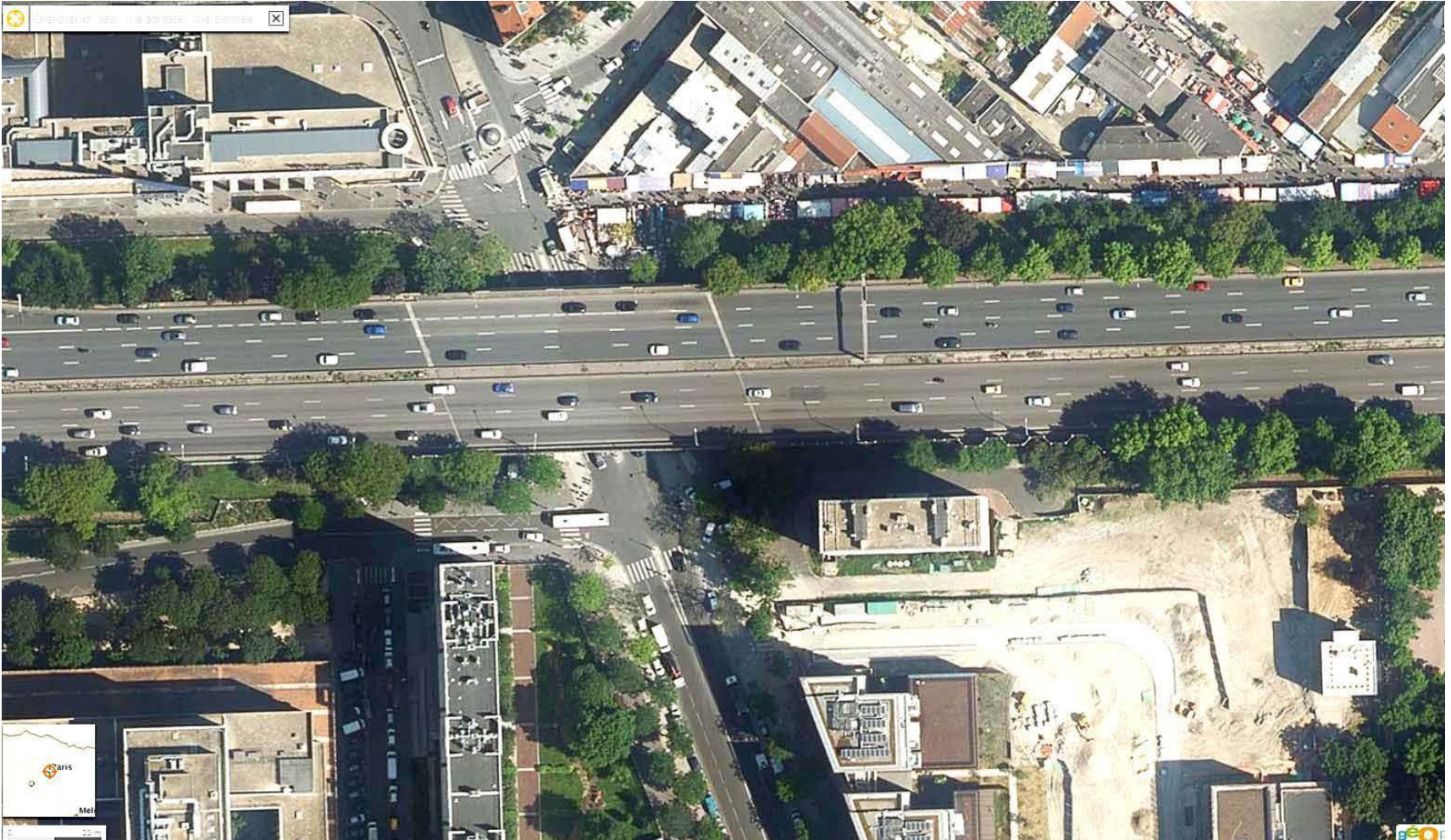
PAVILLON CIRCULAIRE / PARIS / 2015



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PASSAGE MIROIR / PARIS / 2017



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PASSAGE MIROIR / PARIS / 2017



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PASSAGE MIROIR / PARIS / 2017



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#beCircular

PASSAGE MIROIR / PARIS / 2017



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VIES D'ORDURES / MARSEILLE / 2017



#beCircular



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VIES D'ORDURES / MARSEILLE / 2017



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COMMERCE

#beCircular





COMMERCE



Julie BAUDICHAU,
Coordinator of the Trade
component of the RPCE,
Atrium Brussels, Regional
Commerce Agency



Aurélien AMAZ,
Founder of Roots Store



Sophie VERCRIJSSE,
Founder of Happinest
Store



Clare OLLERENSHAW,
Circular Economy
Manager, LWRAB

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Experiences
from Brussels
Capital Region

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RETAIL BUSINESSES sector



STAKES

THE SECTOR...

- Is the **3rd sector** in terms of job creation in Brussels.
- Is characterised by its **heterogeneity** in terms of business types, size and practices.
- Must **reduce its environmental impacts** whilst providing a competitive advantage and creating jobs.

2025

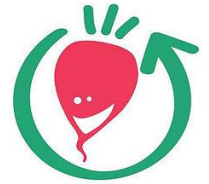


VISION

- There are **no more obstacles** for circular economy projects.
- The number of retail businesses based on **circular economy** principles increases.
- Retailers meet the needs of consumers with **reduced environmental impacts**.

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Comment Roots est-il né?



Caractérisation d'une poubelle



Wwoofing

IDENTIFICATION DES BESOINS :

- Magasin zéro déchet – zéro emballage
- Magasin circuit court – alimentation de qualité

Lancement du magasin

Les enjeux, les difficultés, les réussites



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Qui est Roots ?

/ Les piliers



Circuit court



Zéro déchet



100% circulaire

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HAPPINEST

SECONDE MAIN, SECONDE VIE... JE PENSE À L'AVENIR BABY !

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Parcours de l'entrepreneur chez Atrium.Brussels

Starters Coach

- Diagnostic
- Aide au choix du quartier
- Aide au choix du local
- Stickers

L'Auberge Espagnole

- Appel à candidats
- Pop up store 100% européen
- Quartier Jourdan
- Coaching personnalisé

OpenSoon

- Appel à projets
- 15.000€
- + 25% si EC

Et après...

- Vidéos
- Photos
- Stories



Commerce and food

Circular economy experience from London

Clare Ollerenshaw, Circular Economy Manager
London Waste and Recycling Board (LWRAB)



Clare OLLERENSHAW,
Circular Economy
Manager, LWRAB

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London Waste & Recycling Board



Resource London



Advance London



Circular London

London's circular economy route map

Built environment



The circular economy opportunities in the built environment will add £3-5bn to GDP by 2036.

Example interventions include:

- innovations like modular construction,
- more effective utilisation of buildings,
- design for building disassembly, material management and re-use.

Textiles



The circular economy opportunities in the textiles sector are over £1bn by 2036.

Example interventions include:

- increasing the lifetime of clothes through design and innovative technologies,
- increasing the usage of clothes through renting or leasing,
- increasing the re-use, repair and recycling of clothes via incentivised return schemes.

Plastics



The circular economy opportunities in the plastics sector will be at least £200m by 2036.

Examples interventions include:

- activities to reduce plastic use,
- increasing the recycling rate,
- innovative recycling technologies.

Food



The circular economy opportunities in the food sector will add £2-4bn to GDP by 2036.

Example interventions include:

- raising consumer awareness and knowledge,
- reducing avoidable food waste,
- using unavoidable food waste to create energy/compost.

Electricals



The circular economy opportunities in the electrical and electronic equipment sector will be at least £900m by 2036.

Example interventions include:

- sharing, renting and product as service business models,
- increased re-use/effective recycling rate,
- designing better products that enable longer product life.

Commerce and retail in London

- A substantial share of London's economic output is provided by the retail sector which accounted for over £26bn of gross value added in 2012, which is about 8 per cent of the total for that year
- Approximately 43,000 retail trade establishments in London
- The retail sector provides work for approximately 400,000 individuals in London

(Source: *Retail in London: Looking Forward*, GLA Economics, January 2015)



FoodSave

FoodSave is a project to help small and medium-sized food businesses in London reduce their food waste, put surplus food to good use and dispose of unavoidable food waste more responsibly, through processes such as composting or anaerobic digestion.

From October 2013 to March 2015 we worked with almost 200 businesses to provide support to help them better manage their food waste.

- Average estimated annual savings made through taking part in FoodSave = **£6,063**
- Average estimated annual weight reduction made through taking part in FoodSave = **1.64 tonnes**



The Breakfast Club in Hoxton reduced its kitchen food waste by 55%, preventing 2.5 tonnes of waste going to landfill and providing a £5,500 saving on food costs annually. Information on plate waste informed a menu re-design, taking into account factors such as portion size and customer preferences.

www.foodsave.org/

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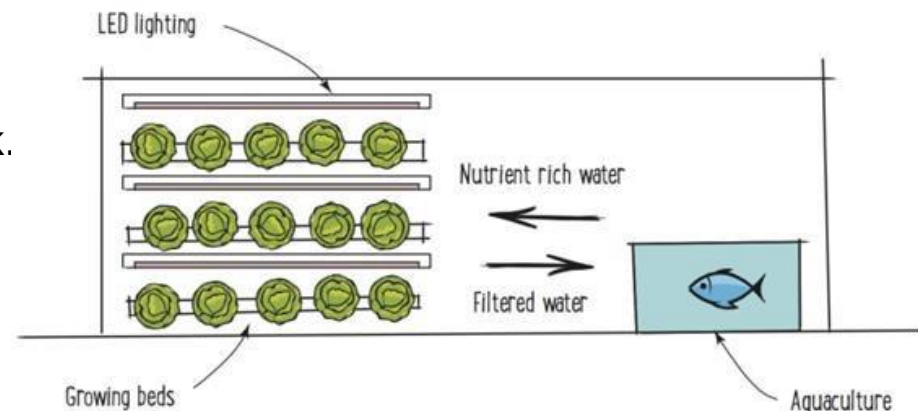
GrowUp Urban Farms

GrowUp Urban Farms is committed to feeding people in cities in a way that is positive for communities and the environment, today and in the future. We produce sustainable fresh fish, salads and herbs in cities using a combination of aquaponic and vertical growing technologies.

They lower the environmental impact of agriculture by building and operating farms that take unused urban space and use it to grow produce. Through the use of aquaponic technology and protected cropping, they can produce a year-round harvest of fresh, leafy vegetables and fish.

They're changing the way food is grown and distributed in cities and we're reconnecting people with the story of food from farm to fork.

www.growup.org.uk/



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GlobeChain

Globechain is an online reuse platform that connects businesses, charities and people to enable them to reuse unwanted items within a global supply chain network creating a waste audit and social impact value for members.

Our aim is to create a local supply chain within a global community to enable the redistribution of goods to social causes rather than landfill.

Globechain wants to encourage innovation via reuse, recycling and upcycling items amongst its members to create social, economic and environmental good in a simple, fun and convenient way for all.

We have over 10,000 members ranging from corporates, charities, schools & universities, social enterprises, start-ups and individuals in industry sectors ranging from retail, banking, fashion, food, construction, education and health.

<https://www.globechain.com/about-us.html>

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Premier Sustain

Premier Sustain's award-winning Renew Centre is the UK's only independent, commercial facility solely dedicated to remanufacturing, refurbishing and repairing desks, chairs and other office furniture.

Following £1million of investment over three years, the 5,000 square feet of remanufacturing space houses high specification machinery including two industrial CNC machines, an edge bander and lifting system.

They employ a growing team trained in a variety of areas of expertise including upholstery, metal spraying, CNC operation, carpentry, CAD design and planning, and furniture fitting.

The state-of-the-art facility and dedicated team enables them to make the most of their clients' office assets and return them to shop floor condition at a fraction of the cost of buying new.



www.premierworkplaceservices.co.uk/knowledge-centre-articles/the-renew-centre/

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Thank you

www.lwarb.gov.uk/what-we-do/circular-london/

www.lwarb.gov.uk/what-we-do/advance-london/business-support/

clare.ollerenshaw@lwarb.gov.uk



LWARB

London Waste and Recycling Board

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Enjoy the exhibition, share ideas

TAKE A BREAK!

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Agenda of the morning sessions

8:30	Opening and Welcome	Atrium
9:00	Political Visions	] Auditorium
9:20	Cross Views on Circular City	
9:35	The Built Environment : The Construction Sector	] Auditorium
10:20	Commerce	
11:10	Take A Break	Atrium
11:30	Resources and Waste : A Closed-Loop Economy	] Auditorium
12:20	The Circular Economy : Here, Abroad, Together	
13:00	Lunch	Atrium



RESSOURCES AND WASTE: A CLOSED-LOOP ECONOMY!

#beCircular





RESSOURCES AND WASTE: A CLOSED-LOOP ECONOMY!



Nicolas SCHERRIER,
Coordinator of the
Resources-Waste
component of the RPCE,
Brussels Environment



Olivier BOSTEELS,
Coordinator Circular
Economy, Bruxelles-
Propreté



Nicolas LAMBILLON,
Project manager Recy-K,
Bruxelles Propreté



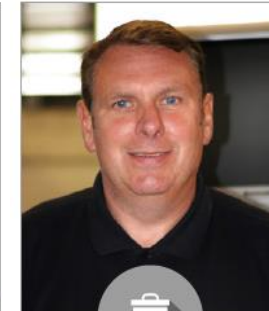
Emmanuel MOSSAY,
Business Developer,
FEBRAP



Cédric SLEGGERS,
Deputy Director, Go4Circle



Louise McGREGOR,
Circular Economy Officer,
ZeroWasteScotland



Jim McNULTY,
Development Director,
Restructura

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RESSOURCES AND WASTE: A CLOSED-LOOP ECONOMY!



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FEBRAP



Cédric SLEGGERS,
Deputy Director, Go4Circle

Experiences
from Brussels
Capital Region

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RESOURCES AND WASTE sectors



STAKES

THE SECTOR...

- Is at the **heart of the circular economy**.
- Is an **opportunity for less qualified workers**, partly based locally and in short-loop.
- Is **fast developing**.

GO4CIRCLE VZW/ASBL

- *Bedrijfsfederatie van de Circulaire Economie
Fédération des Entreprises de l'Economie Circulaire*

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B-1020
Brussel/Bruxelles

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info@go4circle.be

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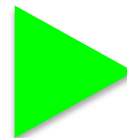
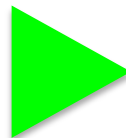


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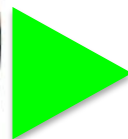
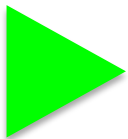
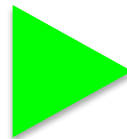
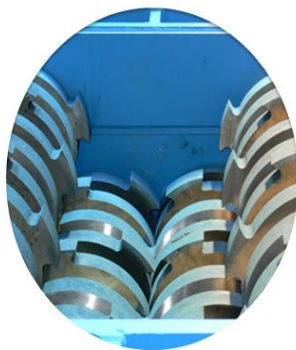
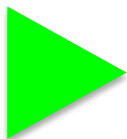




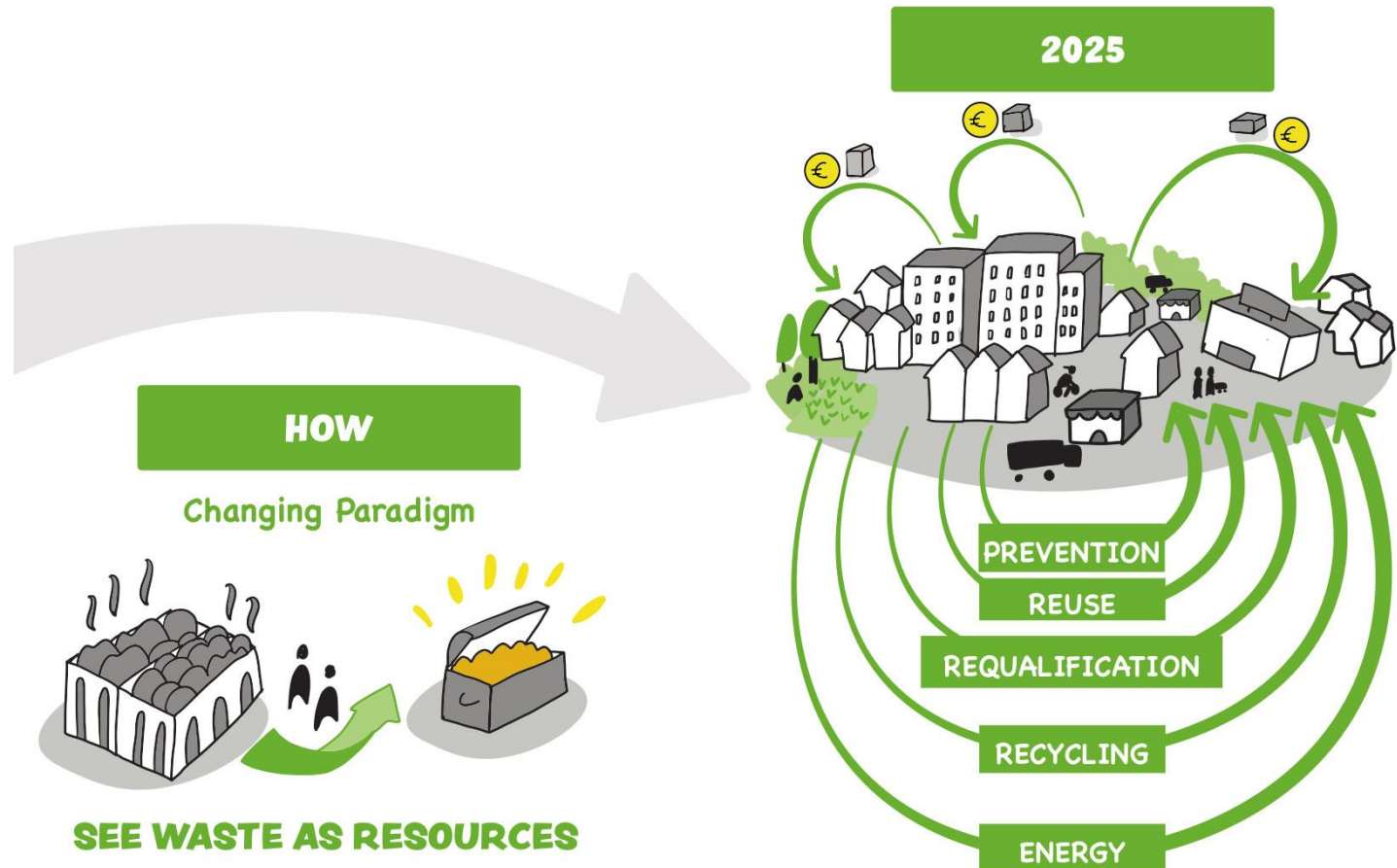
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- VISION**
- The **circular economy** of waste and resources **is the norm**.
 - The word **'waste'** is **obsolete**.
 - The **amount of waste** and their environmental impacts have been **reduced**.



Zero Waste Scotland

Circular Economy support for businesses



Louise McGREGOR,
Circular Economy Officer,
ZeroWasteScotland

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About Zero Waste Scotland



We exist to create a society where resources are valued and nothing is wasted

Our goal is to help Scotland realise the economic, environmental and social benefits of making best use of the world's limited natural resources

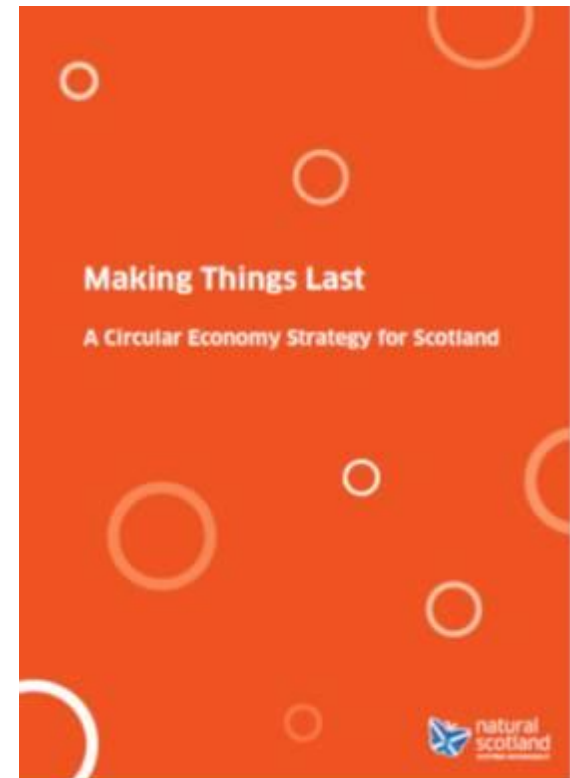
We are Scotland's Circular Economy expert

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The Circular Economy in Scotland

- Scottish Government Strategy 'Making Things Last'
- Priorities in moving towards a circular economy
- Builds on Zero Waste and Resource Efficiency agendas
- Benefits to: the environment, economy & communities



Accelerating a Circular Economy

Working to support Scotland's business community to transition towards a Circular Economy

- Partnerships with Enterprise Agencies to integrate circular economy thinking within mainstream support for business growth and innovation
- Wealth of Circular Economy knowledge and expertise through our previous CE Business Model programmes
- Specific support to stimulate and embed circular approaches within Scottish business
- Working through European funding with SMEs across multiple sectors



European Union



The Scottish
Government
Riaghaltas na h-Alba

EUROPE & SCOTLAND

European Regional Development Fund

Investing in a Smart, Sustainable and Inclusive Future

Circular Economy Business Support Service

Be-spoke one-to-one consultancy:

- Working directly with individual SMEs and collaborative projects
- Identifying unique and relevant circular opportunities within businesses
- Providing the outputs and evidence base required to take the next steps
- Aim is to progress a business along the development pathway

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European Union



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Riaghaltas na h-Alba

EUROPE & SCOTLAND

European Regional Development Fund
Investing in a Smart, Sustainable and Inclusive Future

Innovation
Opportunities Identification
Business Modelling



Market Assessment
Market Development
Stakeholder Engagement



Change Management
Communications & Marketing
support
Implementation support
Pilot Evaluation & Review
Interim Management



Life Cycle Analysis
Financial Modelling
Cost Benefit Analysis
Business Case development
Commercial Case development
Technical Assessment / Analysis



Funding
opportunities/support
CE Investment Funding

circulareconomy@zerowastescotland.org.uk

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Example: Elizabeth Martin Tweed



Business model explored:

- Garment leasing / rental
- Either long-term leasing or occasional rental
- Improve circularity and build customer loyalty

Objectives of our support:

- Market research
- Developing a financial model
- Partner research – retailers / agents
- Develop, run and monitor a pilot





The Circular Economy Investment Fund helps businesses unlock circular opportunities

- Small & medium-sized enterprises
- Explore & pioneer circular approaches
 - bring new business models & innovative technologies to market
 - demonstrate next generation products & services
- £50,000 - £1M
- By end December 2018





Thank you

www.zerowastescotland.org.uk/circular-economy

Louise.McGregor@zerowastescotland.org.uk

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RESTRUCTURA

A new vision for old TVs



Jim McNULTY,
Development Director,
Restructa

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A new vision for old TVs

Jim McNulty
Development Director
Restructa Ltd

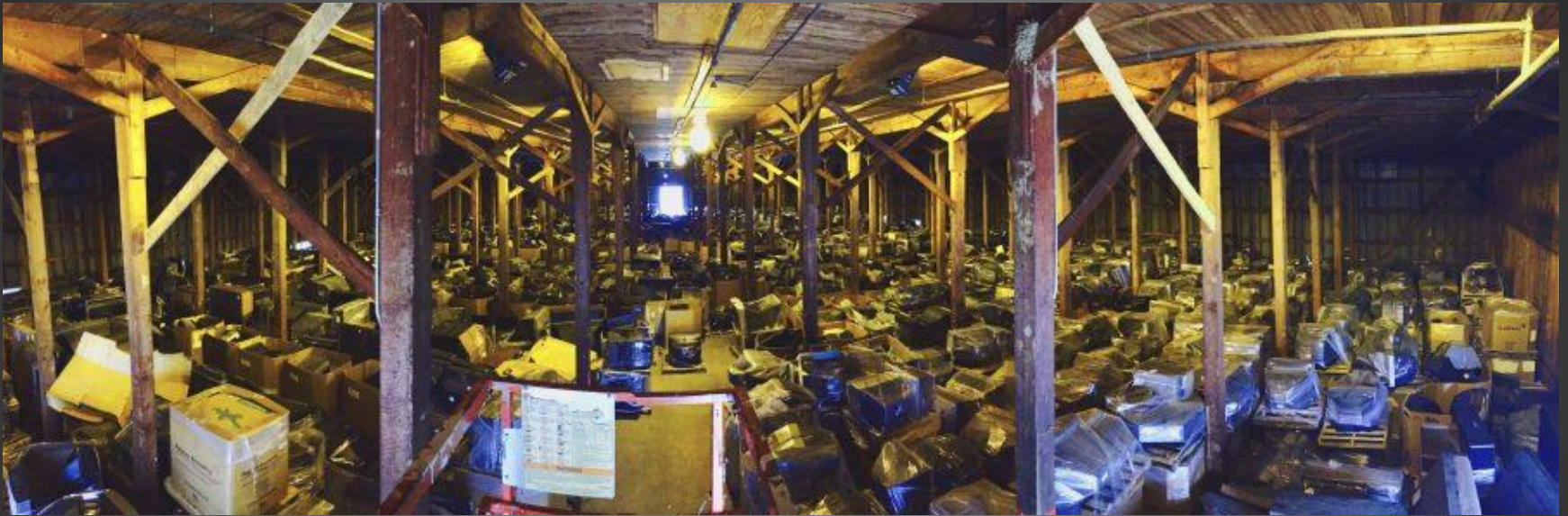
RESTRUCTA

- Formed in 2005
- Specifically to recycle Televisions
- Recycle up to 1,500 TV's every day (~500T/month)
- Now a combination of CRT's and Flat Screen TVs (~50/50 split)
- Based on West Coast of Scotland
- Over 40 full-time employees

THE PROBLEM

- CRT glass is heavy and is also classed as hazardous
- 10 years ago it was a tradeable commodity
- There was still CRT manufacturing in existence in the Far East – Malaysia, Korea and India
- Those markets no longer exist
- Disposal of CRT glass is a World-Wide problem

AN EXAMPLE OF THE PROBLEM



ABANDONED WAREHOUSES

Owners of Closed Loop Refining and Recovery in America have been directed by a court to pay more than \$18 million.

THE PROBLEM

- Without a solution, it is likely that recycling of CRT TVs would cease completely.
- Potentially ending up in landfill, large scale dumping or being exported illegally.

THE SOLUTION

- Restructa, with assistance from Zero Waste Scotland, have developed a process to separate the 'panel' glass (non-hazardous) from the 'funnel' glass (hazardous) in a CRT.
- This represents about 70% of the total glass in a TV.
- 'Panel' glass then goes through a treatment process where it is tumbled and polished in 15 tonne batches.
- Final stage grading process is carried out to provide various sizes of glass for different applications – effectively 3 different products!

THE PRODUCT



Glasglo



Glasglo Products



Glasglo

- Great 'sustainability' credentials.
- Decorative glass aggregate is extremely versatile - can be used for a number of landscaping applications.
- Appearance adapts to the weather, changing its colour in the sun and rain.
- Its transparency also allows illumination.

For further information



www.restructa.co.uk



www.glasglo.co.uk



THE CIRCULAR ECONOMY: HERE, ABROAD, TOGETHER



Julien DUMONT,
Advisor Circular Economy
and Waste, Brussels
Ministry of Environment
and energy



Antoinette GUHL,
Deputy Mayor of Paris,
Social and Socially
Responsible Economy,
Social Innovation and
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Annerieke DOUMA,
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Circle Economy



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Circular Economy Officer,
ZeroWasteScotland



Clare OLLERENSHAW,
Circular Economy
Manager, LWRAB

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Brussels Regional Program for a Circular Economy



GOVERNANCE



4 ADMINS

3 MINISTERS

1 STRATEGY 2025



3 OBJECTIVES



Environmental objectives

Economic opportunities



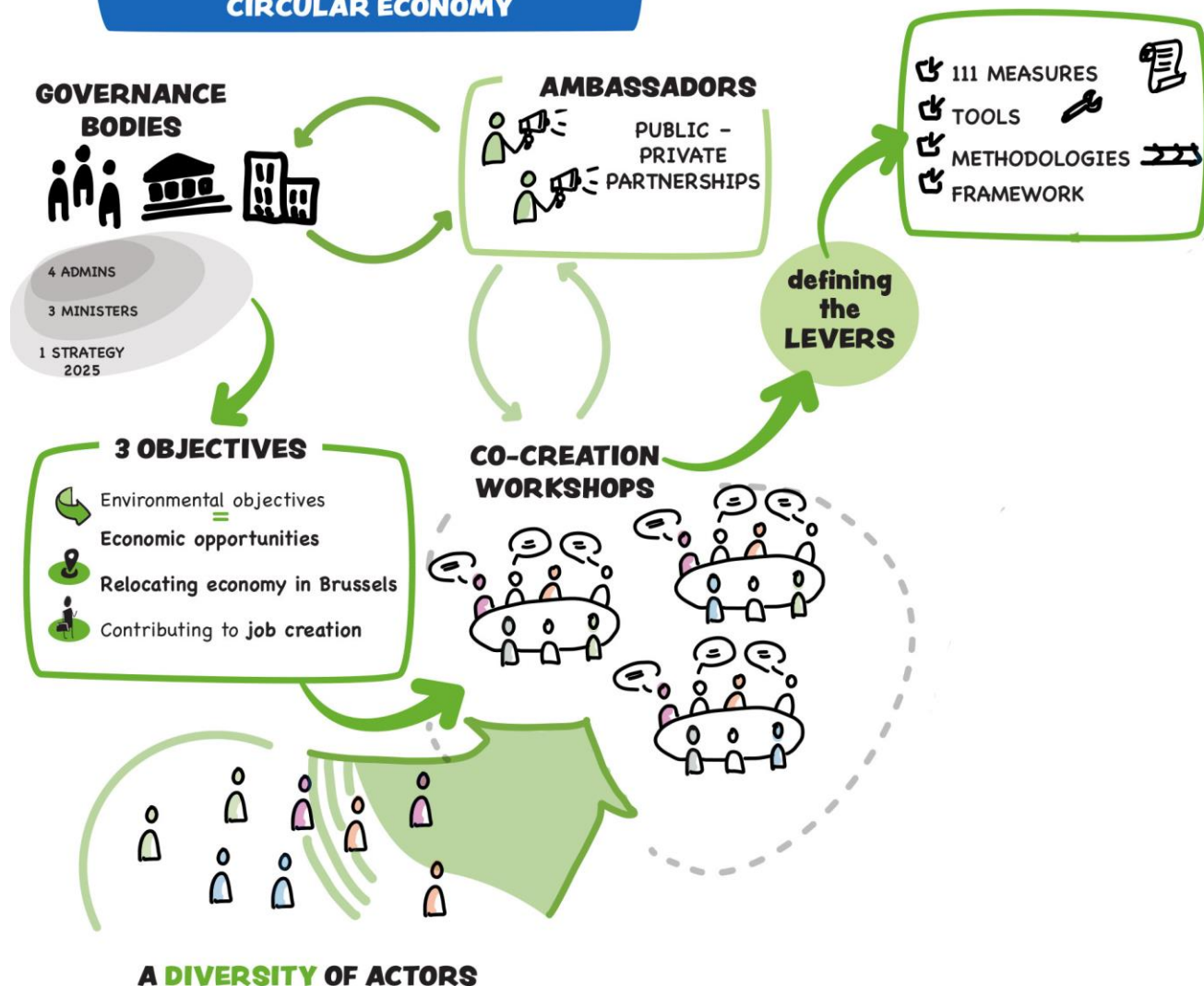
Relocate economy in Brussels

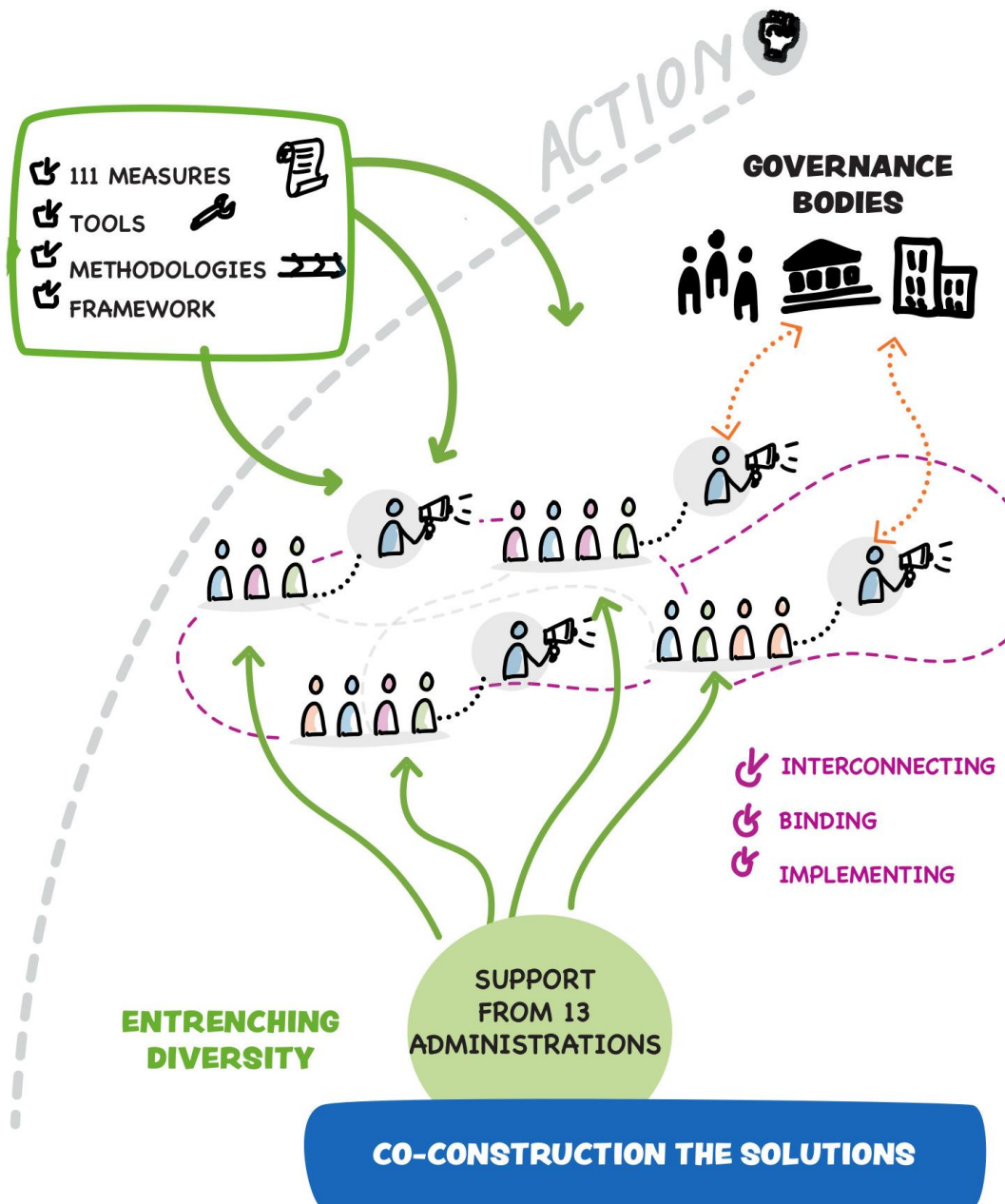


Contribute to job creation

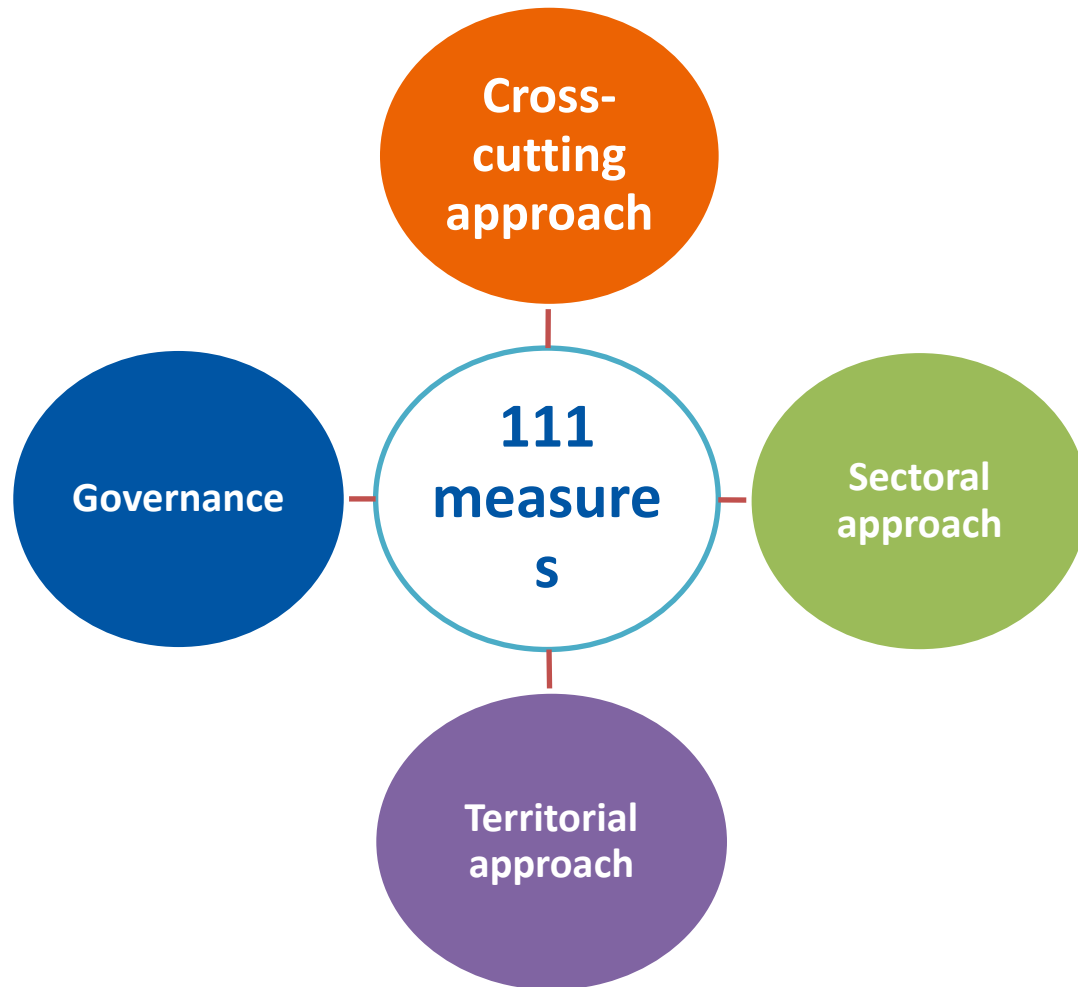


CO-CONSTRUCTION OF THE TRANSITION TOWARDS THE CIRCULAR ECONOMY





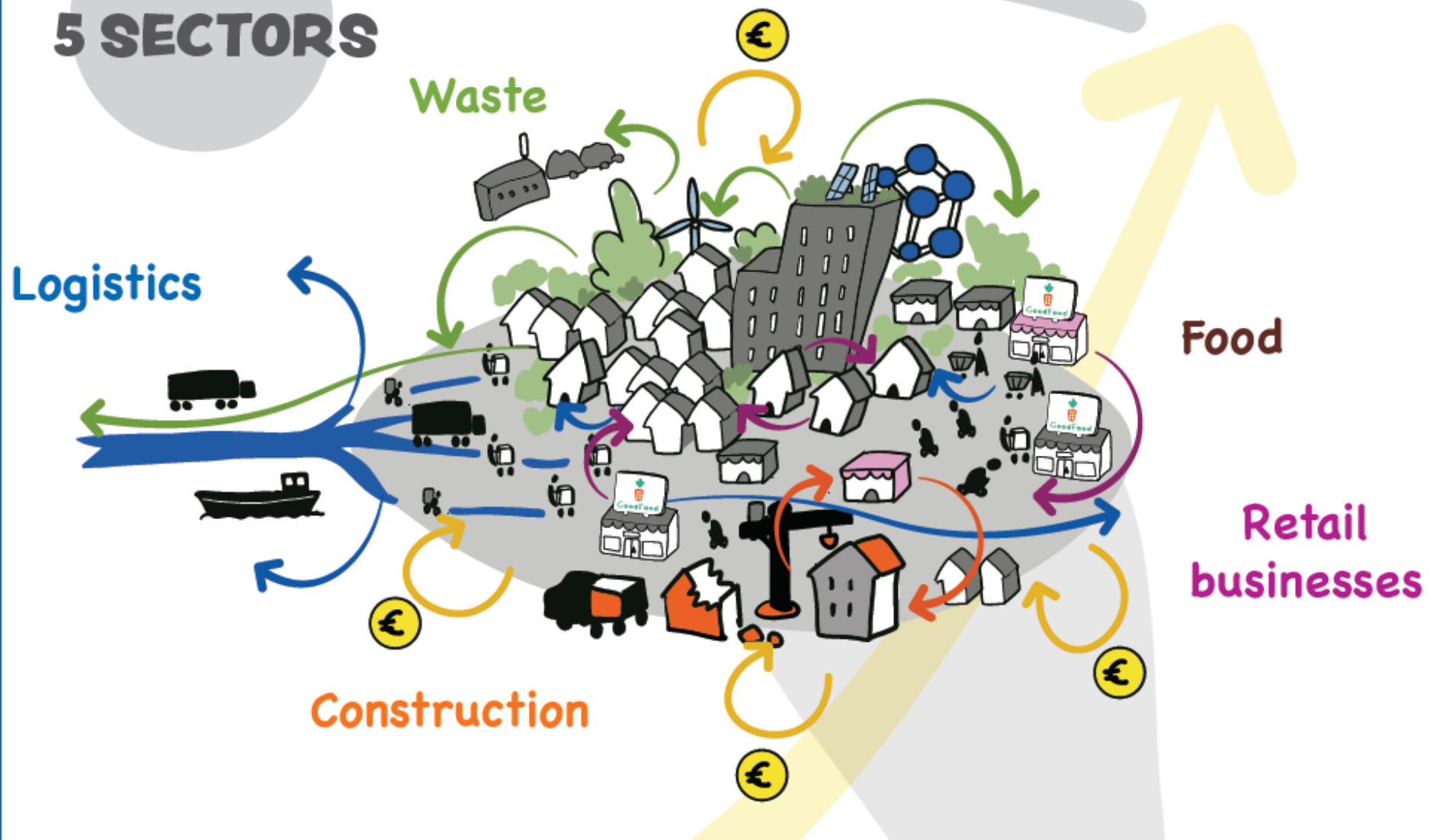
FOCUS ON THE STRUCTURE



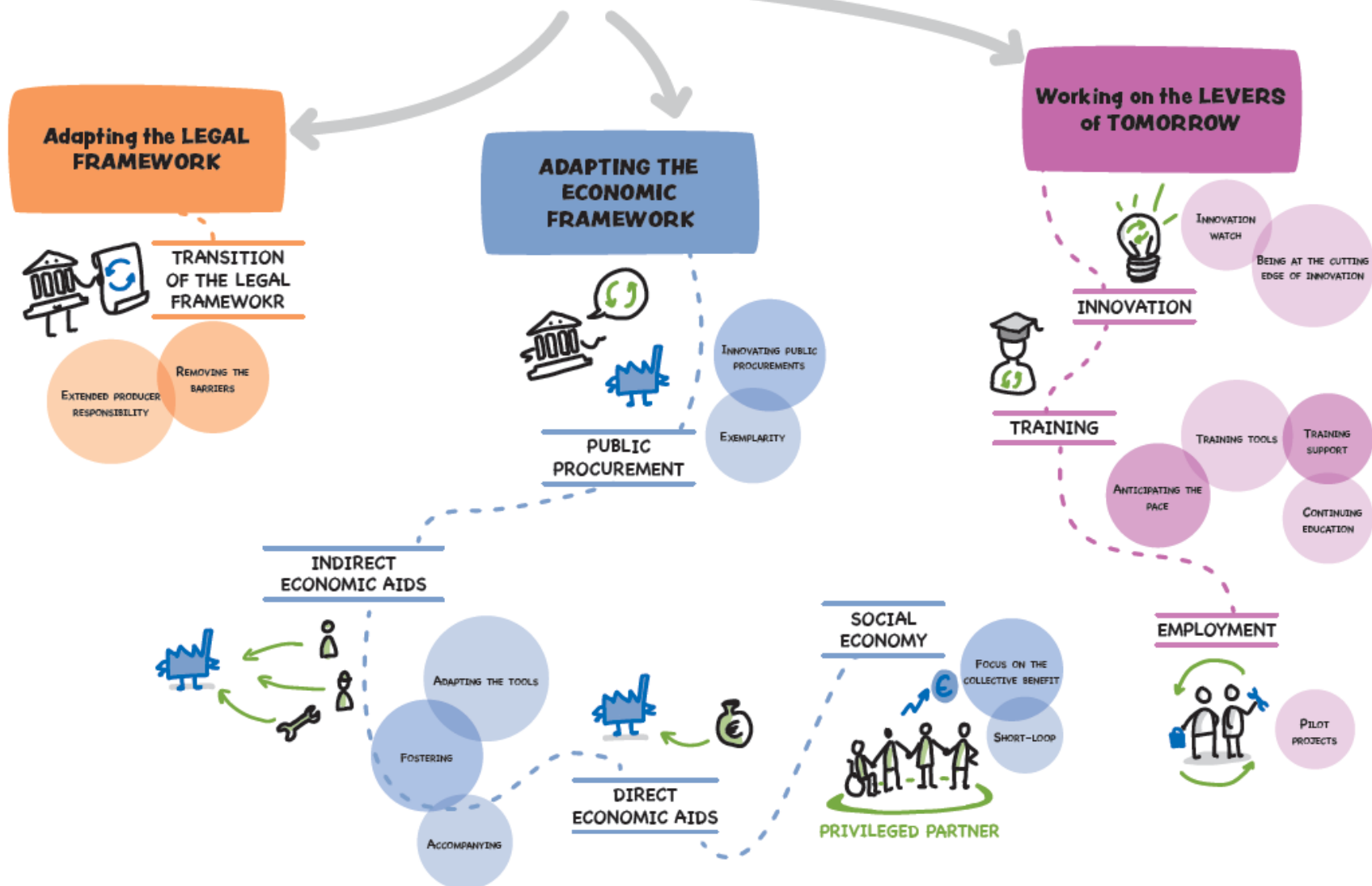


2025

FOCUS ON 5 SECTORS



CROSS SECTORIAL MEASURES





THE CIRCULAR ECONOMY: HERE, ABROAD, TOGETHER : PANEL DISCUSSION



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Circular Economy
Manager, LWRAB

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London's circular economy route map

Built environment



The circular economy opportunities in the built environment will add £3-5bn to GDP by 2036.

Example interventions include:

- innovations like modular construction,
- more effective utilisation of buildings,
- design for building disassembly, material management and re-use.

Textiles



The circular economy opportunities in the textiles sector are over £1bn by 2036.

Example interventions include:

- increasing the lifetime of clothes through design and innovative technologies,
- increasing the usage of clothes through renting or leasing,
- increasing the re-use, repair and recycling of clothes via incentivised return schemes.

Plastics



The circular economy opportunities in the plastics sector will be at least £200m by 2036.

Examples interventions include:

- activities to reduce plastic use,
- increasing the recycling rate,
- innovative recycling technologies.

Food



The circular economy opportunities in the food sector will add £2-4bn to GDP by 2036.

Example interventions include:

- raising consumer awareness and knowledge,
- reducing avoidable food waste,
- using unavoidable food waste to create energy/compost.

Electricals



The circular economy opportunities in the electrical and electronic equipment sector will be at least £900m by 2036.

Example interventions include:

- sharing, renting and product as service business models,
- increased re-use/effective recycling rate,
- designing better products that enable longer product life.

CIRCLE CITIES



CIRCLE CITY SCAN METHODOLOGY



1 Local Agenda



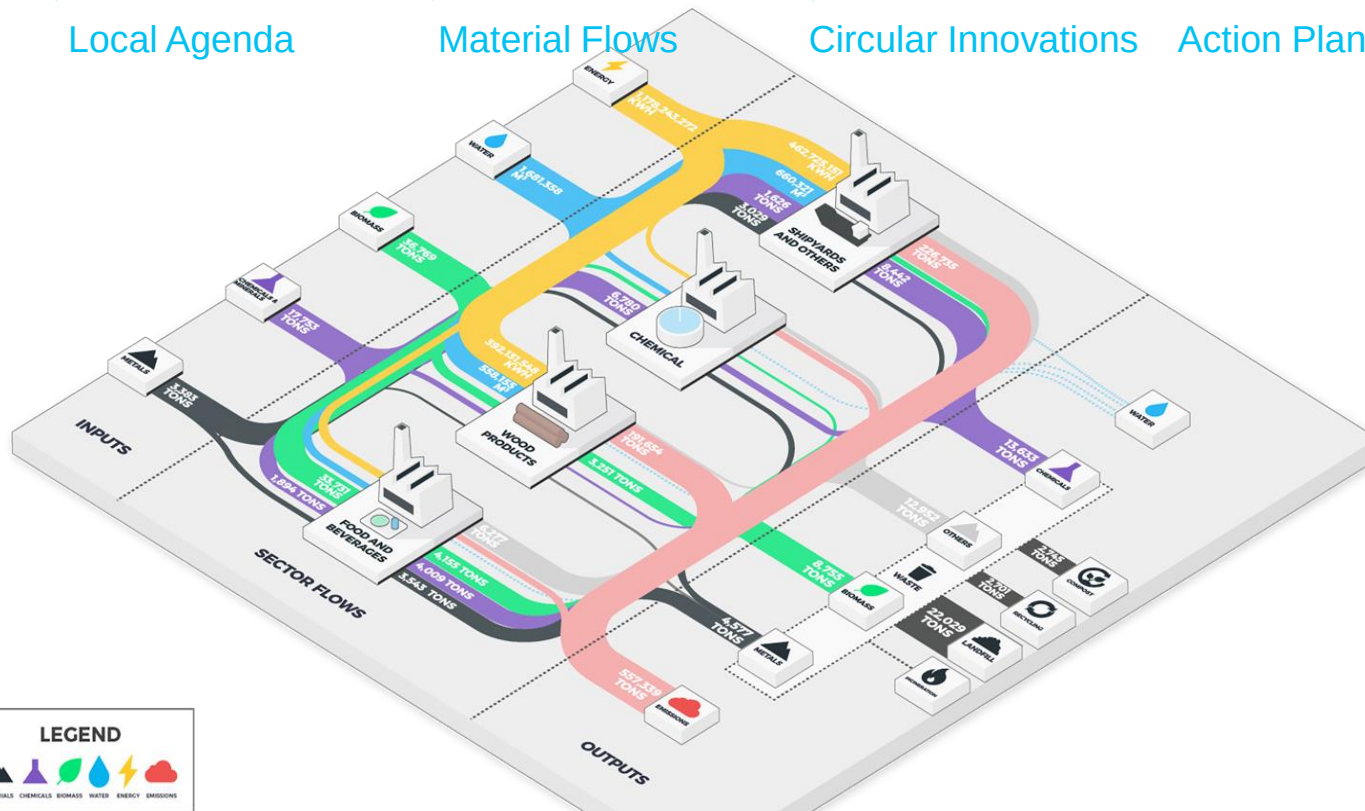
2 Material Flows



3 Circular Innovations



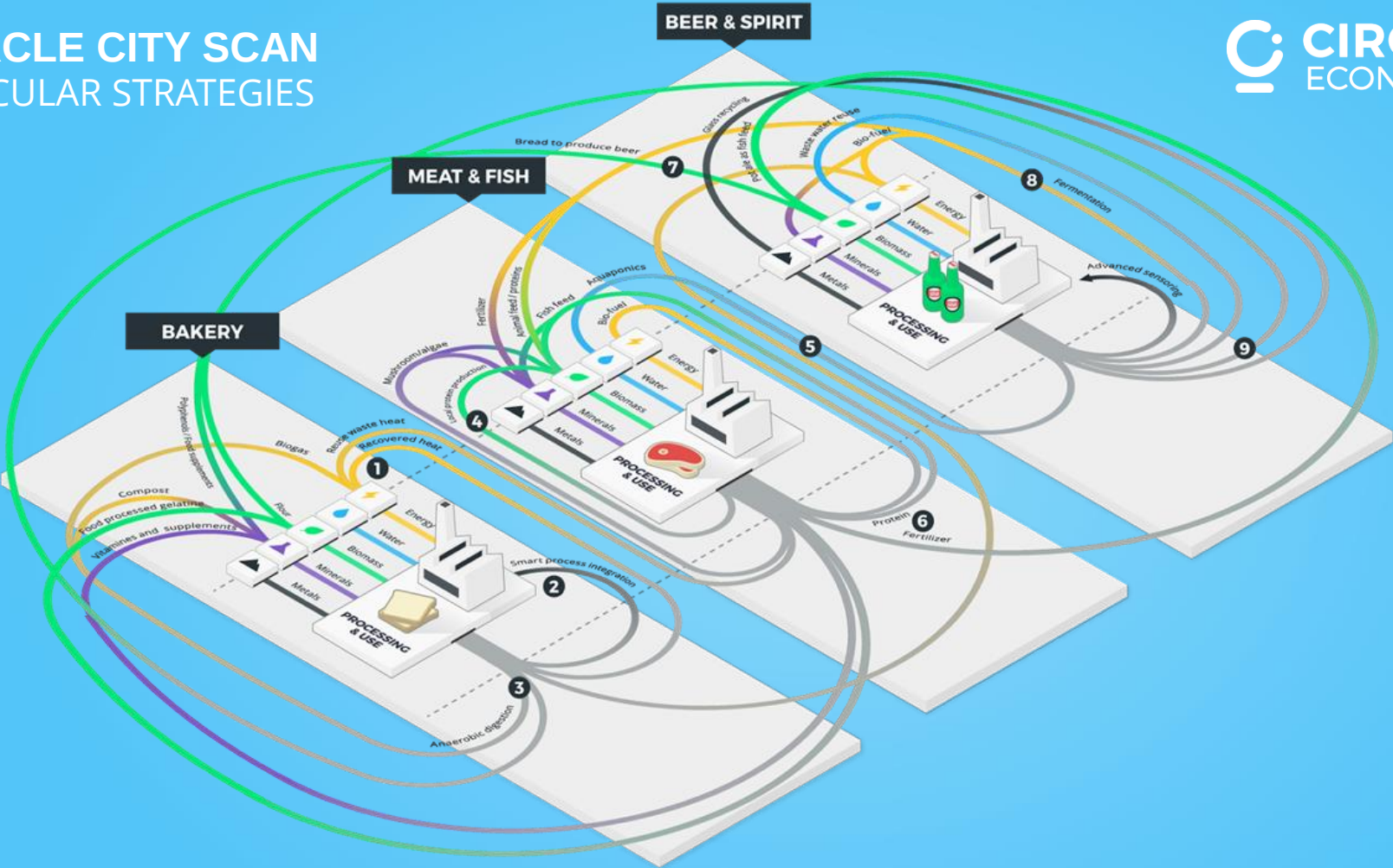
4 Action Plan



LEGEND



CIRCLE CITY SCAN
CIRCULAR STRATEGIES





Circular Glasgow

A vision & action plan for the city

Glasgow Chambers of Commerce
Glasgow City Council
Zero Waste Scotland
Circle Economy (Netherlands)



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Clare OLLERENSHAW,
Circular Economy
Manager, LWRAB

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Lunch with sustainable, local and seasonal products, without waste...

THE CIRCULAR ECONOMY. IT REALLY GIVES YOU APPETITE !

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Agenda of the afternoon sessions

14:00

Political Vision



Auditorium

14:10

Introduction of the Parallel Sessions

14:15

Workshops

Parallel Sessions



Floor 3

Amanita

-

Barbula



Floor 2

Salamandra

-

Libellula



Floor 1

Aqua



Floor 1

Terra



Floor 1

Sylva



Groundfloor

Auditorium

16:20

Summary of the Workshops and Conclusion

Auditorium

17:00-18:30

Cocktail

Atrium

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#beCircular Annual Meeting 2017

Regional Programme for a Circular Economy:
First results and perspectives



12/09/2017
BRUSSELS



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Fadila Laanan



Fadila LAANAN,
State Secretary of the
Brussels-Capital Region,
Waste Management,
Collection and Treatment,
and Scientific Research



THE PARALLEL SESSIONS

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WORKSHOP – Employment/Training

Floor 3 - Room: Amanita/Barbula

Training, education and professional insertion: levers for the future. How to integrate the necessary competences for the development of a circular economy and its potential job creation for training and education?



Aude GRILLOT,
Coordinator of the
Training component
of the RPCE, Impulse
Brussels



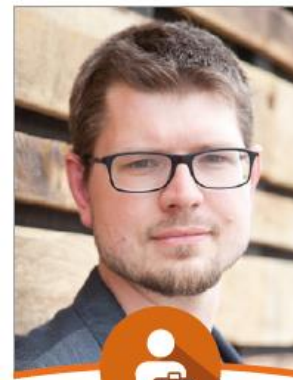
Innerieke DOUMA,
Director Business &
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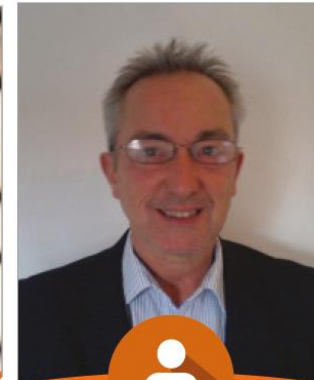
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Julien HOLEF,
Project manager
Education/Sustainable
construction, CDR
Construction



Peter MITCHELL,
Chief Economist, WRAP

Facilitated by Gaëtan Darteville - Greenloop

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WORKSHOP – Public Procurement

Floor 2 - Room: Salamandra/Libellula

Public procurement: a lever for promoting a circular economy.
Discussion centred around the position of the circular economy in procurement and concrete cases that identify potential avenues towards integration of a circularity criteria in procurements.



Stéphane ARDITI,
Circular Economy,
Products & Waste Policy
Manager, European
Environmental Bureau



Peter DEFRANCESCHI,
Head of Brussels Office,
ICLEI



Patrick Van den ABEELE,
Project manager, Brussels
Environment



Véronique VAN HOOF,
Expert in sustainable
procurement, VITO



Karine MELIN,
Director of Procurement,
Division Finance and
Economy, Ville de Lille

Facilitated by Laurence Jonkers – 21 Solutions



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WORKSHOP – Governance

Floor 1 - Room: Aqua

Levers for a good governance dynamic at different levels of government. How can we redefine the interactions between the different strategical and operational actions scales, stimulate horizontal relationships and a collective dynamic and go beyond traditional governance modes?



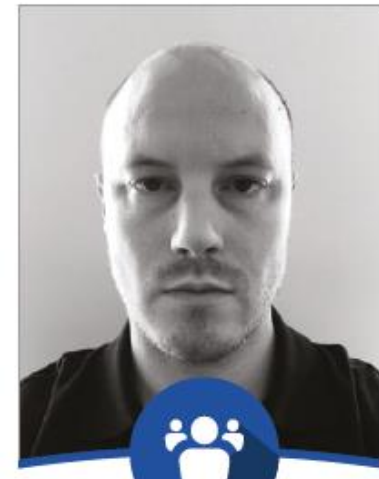
Amandine SELLIER,
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Kristiaan BORRET,
Bouwmester – Master-
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Circular Economy Project
Manager, Association
Orée



Tom SANDERS,
Director of the Department
of Territorial Strategy,
Perspective.brussels

Facilitated by Alessandra Kegeleirs – 21 Solutions



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WORKSHOP – Collaboration

Floor 1 - Room: Terra

Realization of collaborations between cities and regions around the circular economy. Workshop to connect stakeholders from European cities and regions in order to identify concrete avenues of collaboration.



Catherine VANDERSTICHELEN,
Head of the Department
Economy in Transition,
Brussels Environment



Panagiotis BALABANIS,
Deputy Head of Unit, DG
Research and Innovation,
European Commission



Marion COURTOIS,
Senior expert Circular
Europe Network, ACR+

Facilitated by Marcel van Meesche – 21 Solutions

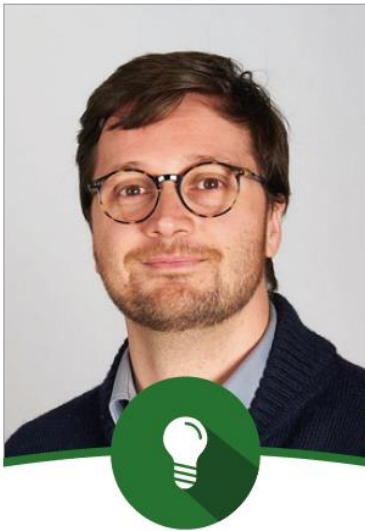
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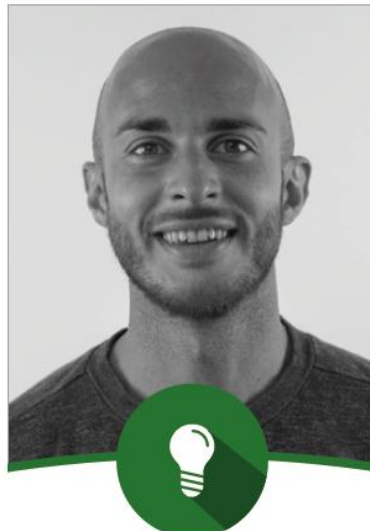
WORKSHOP – Innovation

Floor 1 - Room: Sylva

Innovation and Circular Economy: support for a multiform innovation. Are the measures to support innovation adapted to the difficulties encountered by enterprises and to the multiform character of social, technical and managerial innovations?



Jérémy LEVIN,
Coordinator of the
Innovation component of
the RPCE, Innoviris



Maurizio MONTALTI,
Founder of Officina
Corpuscoli



Perrine COLLIN,
Advisor in eco-design and
service economy, UCM



Martin GERMEAU,
Founder of Perma-Fungi

Facilitated by Bertrand Merckx - Ecores

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WORKSHOP – Financing

Ground floor - Room: Auditorium

Financing the Circular Economy: facing the limitations of conventional financing and developing alternatives. Re-thinking the conventional financing mechanisms in order to meet the requirements of the circular economy.



Patricia FOSCOLO,
Coordinator of the
Financing component of
the RPCE, Impulse



Olivier Van CAUWELAERT,
CEO of Scale up



Anna BALEZ,
Founder of Tale Me



Serge VILAIN,
President of the Board
of the finance.brussels/
group SRIB



Alexia de JONGHE,
Relationship manager,
Triodos Bank



Michael VERDIER,
Representative of the
Rev3 Programme,
CCI Grand-Lille

Facilitated by Cordelia Orfinger - Ecores

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FOLLOW THE GUIDE !



Floor 3
Amanita
-
Barbula



Floor 2
Salamandra
-
Libellula



Floor 1
Aqua



Floor 1
Terra



Floor 1
Sylva



Groundfloor
Stay here

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CONCLUSIONS FROM THE SESSIONS



Floor 3
Amanita
-
Barbula



Floor 2
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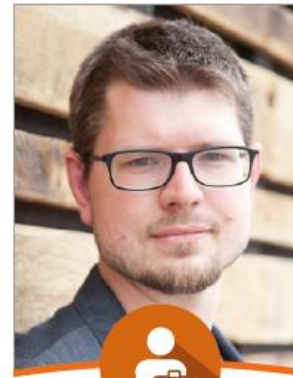
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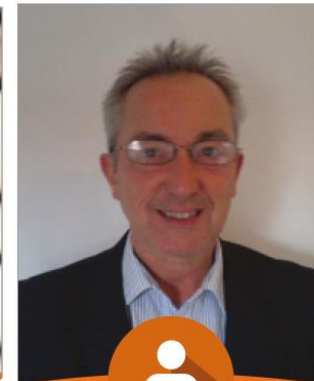
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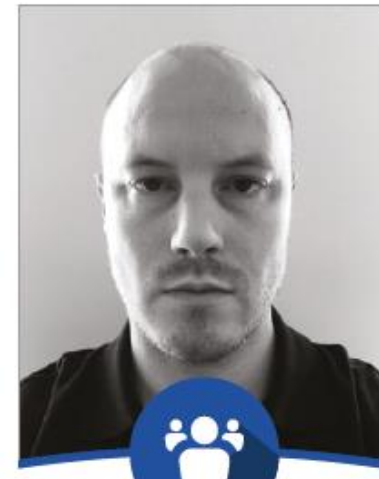
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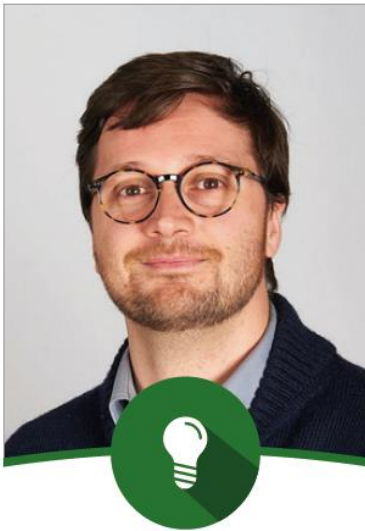
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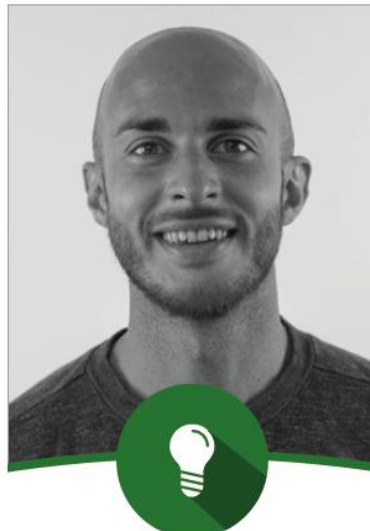
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Maurizio MONTALTI,
Founder of Officina
Corpuscoli



Perrine COLLIN,
Advisor in eco-design and
service economy, UCM



Martin GERMEAU,
Founder of Perma-Fungi

Facilitated by Bertrand Merckx - Ecores

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WORKSHOP – Financing

Ground floor - Room: Auditorium

Financing the Circular Economy: facing the limitations of conventional financing and developing alternatives. Re-thinking the conventional financing mechanisms in order to meet the requirements of the circular economy.



Patricia FOSCOLO,
Coordinator of the
Financing component of
the RPCE, Impulse



Olivier Van CAUWELAERT,
CEO of Scale up



Anna BALEZ,
Founder of Tale Me



Serge VILAIN,
President of the Board
of the finance.brussels/
group SRIB



Alexia de JONGHE,
Relationship manager,
Triodos Bank



Michael VERDIER,
Representative of the
Rev3 Programme,
CCI Grand-Lille

Facilitated by Cordelia Orfinger - Ecores

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Frédéric Fontaine



Frédéric FONTAINE,
General Director,
Brussels-Environment