



ACCELERATOR SESSION

15 SEPTEMBER 2021

11 A.M. - 12:30 P.M. EDT (UTC-4)

POWER OF PUBLIC PROCUREMENT GOVERNMENT-BUYING CO-OPERATION TO ACCELERATE THE CIRCULAR ECONOMY

Greening
Government
Operations



Nick Xenos
Executive Director
Centre for Greening Government

Fair and Circular
Information Technology



Cuno Van Geet
Strategic Advisor Circular Procurement
Rijkswaterstaat

Circular Economy Strategy
and Action Plan for Plastics
in the Great Lakes



Mark Fisher
Chief Executive Officer
Council of the Great Lakes Region



Kristin Hall
Director, City of Cleveland
Mayor's Office of Sustainability

Host and
Moderator



Jo-Anne St. Godard
Executive Director
Circular Innovation Council



PUTTING CIRCULAR
ECONOMY CONCEPTS
INTO ACTION



PUTTING CIRCULAR ECONOMY CONCEPTS INTO ACTION

With a broad, systems lens on production and consumption and leveraging market instruments, public policy and behaviour change:

- Act as a communication hub for resources and information.
- Facilitate collaboration to bridge knowledge, share ideas and innovations.
- Form partnerships at a product or systems level to test ideas and pilot solutions.
- Conduct and support research that informs.
- Profile doers and leaders.
- ***Develop criteria, specifications, standards and certifications to promote best practices – procurement.***



WHY FOCUS ON PROCUREMENT?

PUTTING CIRCULAR
ECONOMY CONCEPTS
INTO ACTION



Procurement is a secret weapon

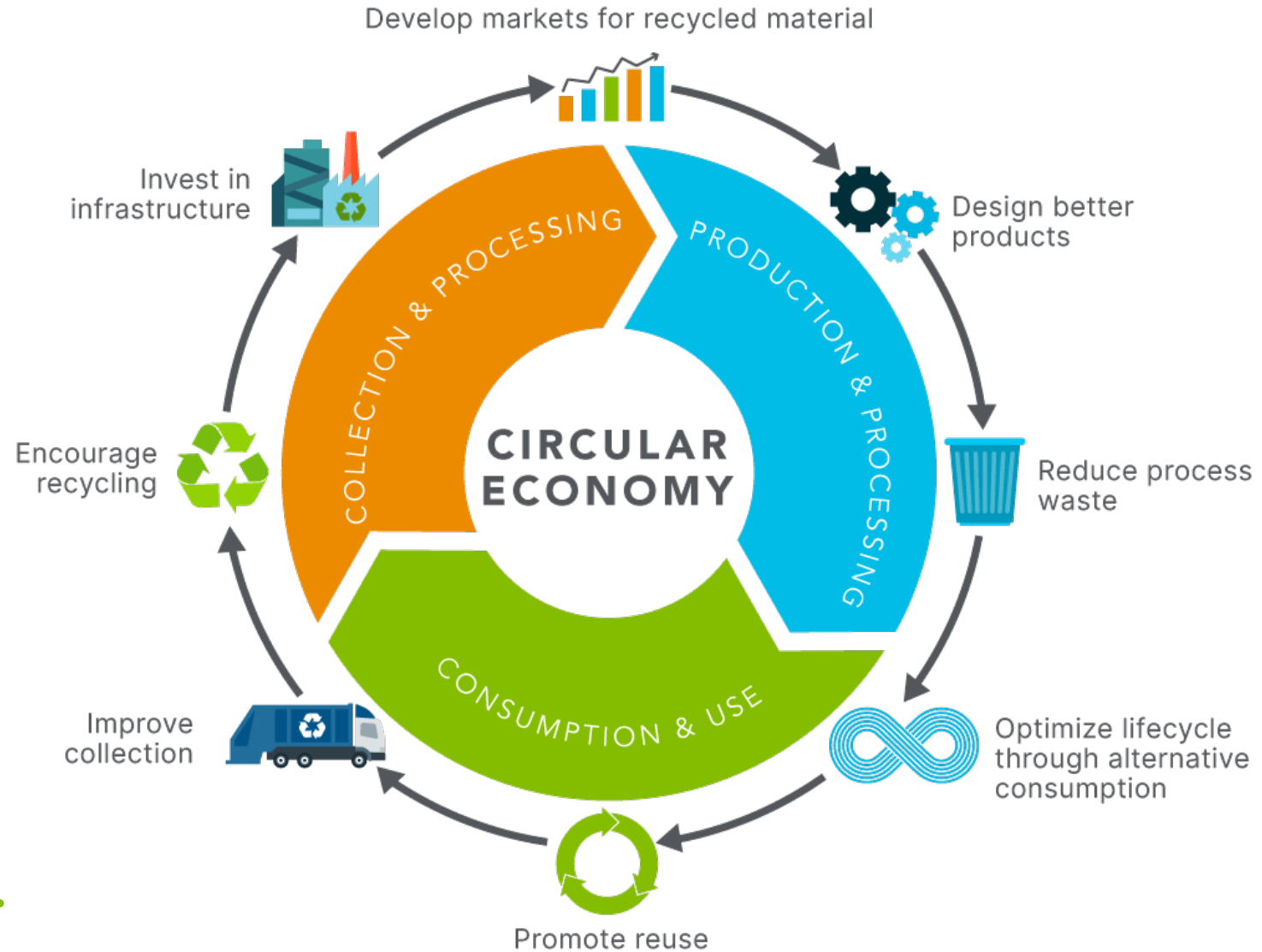


Stientje van Veldhoven
Europe World Resources Institute

CIRCULAR PROCUREMENT

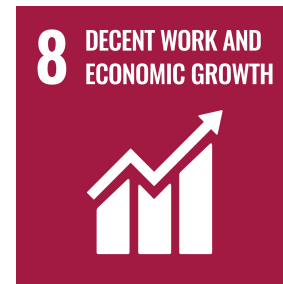
- Takes a whole systems approach to what is traditionally a transactional process.
- Redefines value beyond price.

Does what I buy and who I buy from deliver on my social and environmental objectives.



CIRCULAR PROCUREMENT

- Disrupts traditional purchasing process that exists in a linear economic model by leveraging procurement as a mechanism that encourages markets to adopt greater circularity.
- Strategically weaves and aligns multiple policy objectives simultaneously:
 - fiscal prudence
 - waste reduction
 - greenhouse gas emission reduction
 - ecosystem improvement
 - social equity/equality
 - economic development opportunities



DELIVERS MULTIPLE BENEFITS SIMULTANEOUSLY

Environmental



- Reduced reliance on virgin materials
- Better efficiency of existing resources
- Create market demand increased for recycled materials and content
- GHG / waste / water usage reduction
- Limit single-use where possible
- Mitigate climate change

Economic



- Local employment opportunities
- Innovation is stimulated
- New revenue streams created
- Improved fiscal responsibility and economic growth
- Avoidance of purchase or maintenance
- Savings on disposal and management
- Mitigate climate change

Social



- Local employment opportunities
- Overcome barriers to employment
- Gender equity / equality
- Engage marginalized communities
- Fosters unique public and private partnerships

PUTTING CIRCULAR
ECONOMY CONCEPTS
INTO ACTION

TACKLING OVERLOOKED EMISSIONS

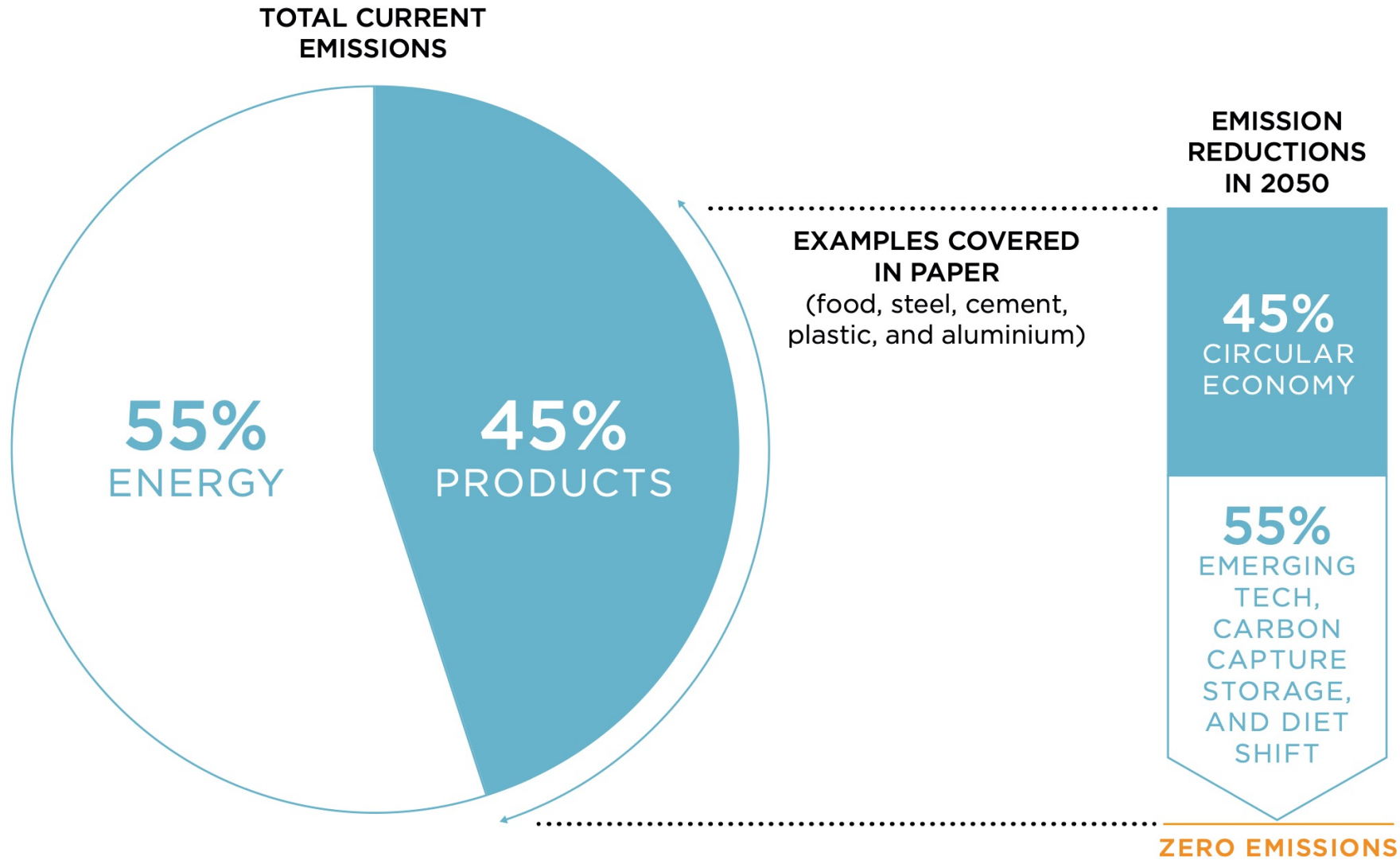


Image credit:





WHY PRIORITIZE *PUBLIC* PROCUREMENT

PUTTING CIRCULAR
ECONOMY CONCEPTS
INTO ACTION

Governments should and can shape markets for the public good.

Procurement and asset management functions have a critical role delivering on broader public goals and should be central to the strategic direction and delivery of services.

PUBLIC PROCUREMENT: 13-20% OF CANADA'S GDP: \$200 BILLION

- Municipal procurement: 80% of GDP: \$160 BILLION
- Direct and Indirect Influence:
 - Spending on goods and services.
 - Stimulus to hubs of Canadian economy.
 - Funding to other organizations.
 - Link to training and employment goals
 - Relationships with residents, businesses, and community organizations.
- Incubators of innovation / catalysts for change.
- Pace setter and market shaper.
- Scalable no matter size nor location.

Transition to the circular economy requires a systems change.
Cities and communities are systems.

TRENDING NOW
THE POWER OF MANY!

GOVERNMENT CO-OPERATION ON CIRCULAR PROCUREMENT

PUTTING CIRCULAR
ECONOMY CONCEPTS
INTO ACTION



**Greening Government Initiative –
An Opportunity to Advance
Government’s Greening
Commitments**

September 15, 2021

Nick Xenos
Executive Director, Centre for Greening Government, Treasury Board
Secretariat

www.canada.ca/greening-government

www.canada.ca/gouvernement-vert

Linear vs Circular Economy

- Linear Economy is the traditional way of using resources where raw material is transformed into a product and this product, at the end of its life-cycle, is thrown away.
- Circular economy is a way of doing business that extracts as much value as possible from resources by recycling, repairing, reusing, repurposing, or refurbishing products and materials—eliminating waste and greenhouse gas emissions at the design stage.

Greening Government Strategy (GGS)

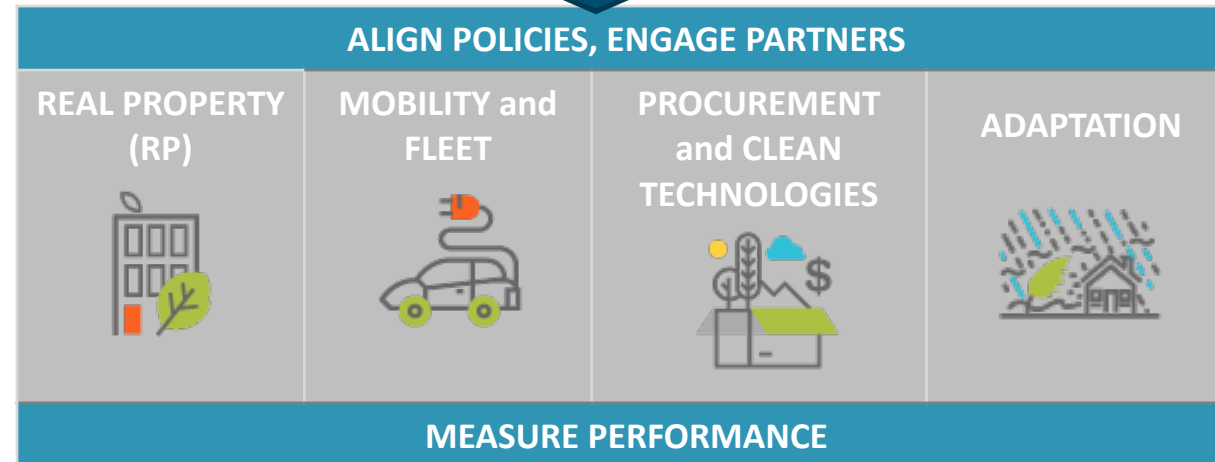
Objective:

- ❖ 40% reduction of emissions by 2025 (*for RP-Conventional Fleet*)
- ❖ Net zero by 2050
- ❖ Overall green & climate resilient government operations

In-line with:



Strategy (GGS) developed to get there:



Implementation:

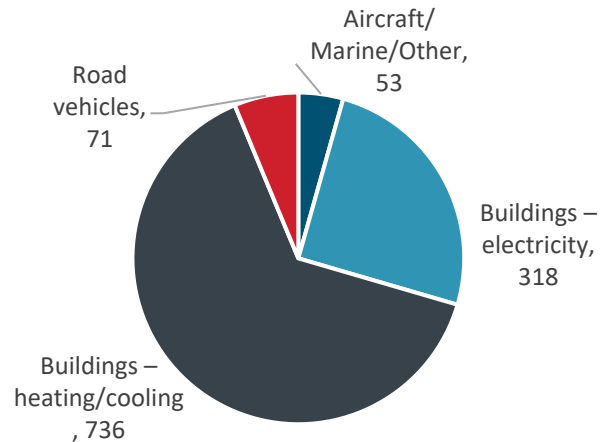
- TBS providing direction, guidance, Greening Govt Fund
- Expert depts. providing support (TBS/NRCan/PSPC/SSC/NRC/ECCC)
- **DEPARTMENTS TAKING ACTION**

Performance:

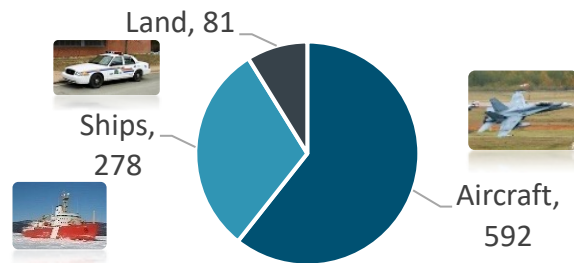
34.6% reduction in GHG emissions to date (*for RP-conventional fleet*)

Sources of all federal emissions – 2019-20

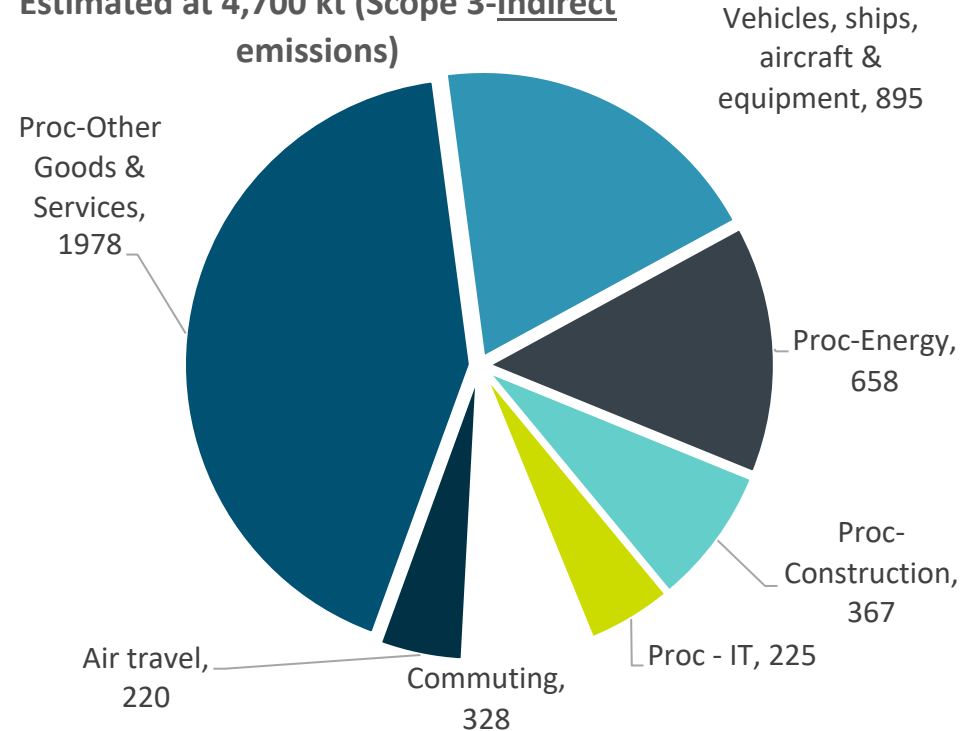
Buildings and Conventional Fleet
1,177 kt (Scope 1-2)



National Safety and Security (NSS) Fleet
951 kt (Scope 1)



Procurement/Air Travel/Commuting
Estimated at 4,700 kt (Scope 3-Indirect emissions)



Other sources of emissions:

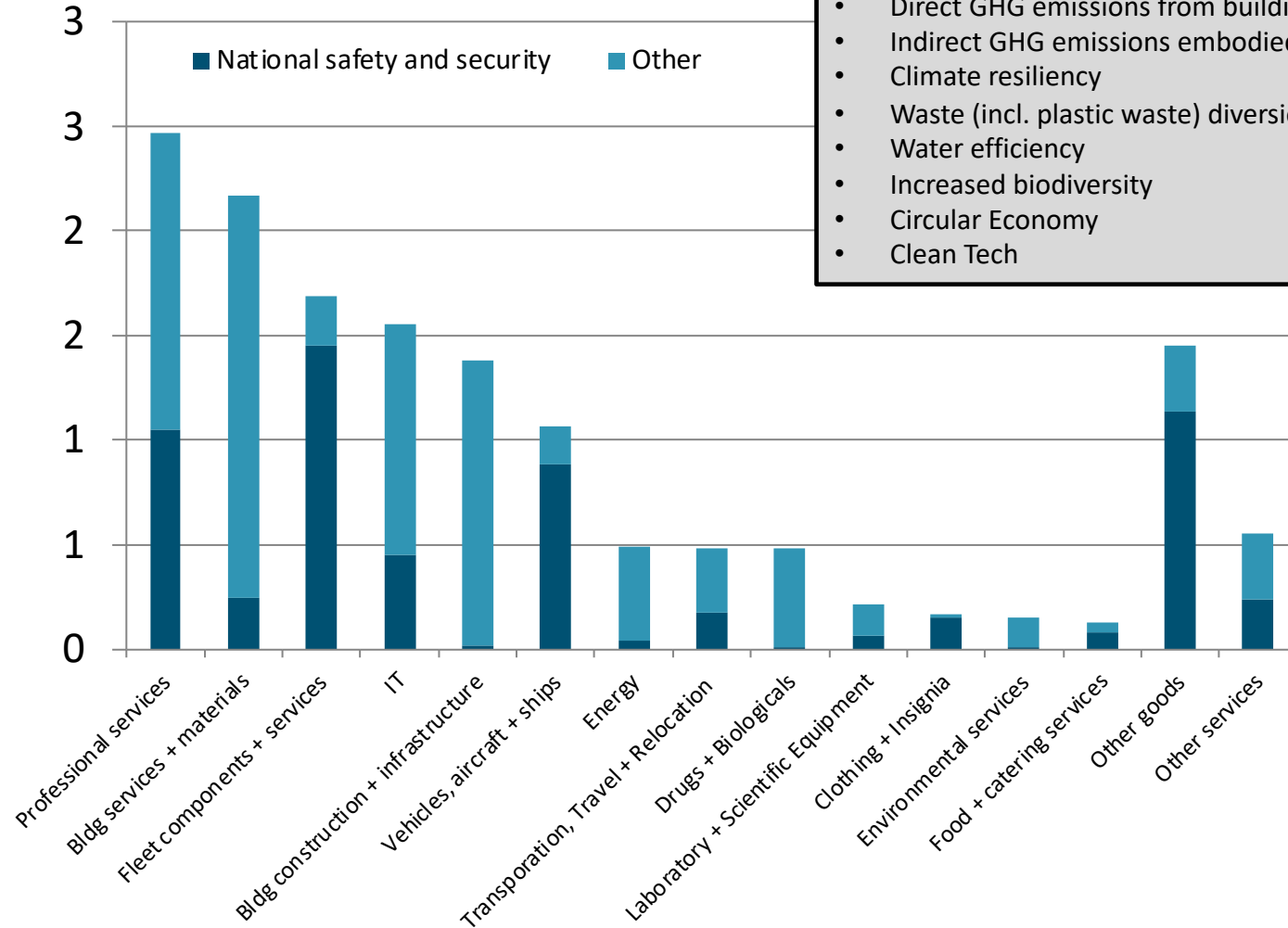
- **Crown corps:** Canada Post-141 kt; Via-137kt; CBC/SRC-38kt
- **Missions abroad** (TBD)
- **Domestic Office Leases** (approx. 130 kt)
- **Fugitive gases** (approx. 2% of building emissions – based on Canada’s national data, GC specific estimate TBD)
- **Emissions from decentralized procurement** (TBD)

Note: All numbers in kilotonnes (kt) of carbon dioxide equivalent

➤ *The GoC owns approx. 30,000 buildings, 20,000 engineering assets, 30,000 fleet and buys over \$18B/year – largest asset owner and public procurer in Canada.*

Federal procurement spend and high environmental impact categories

Average annual spending through PSPC on contracts, (2009-10 to 2020-21) (in Billions \$)



- Procurement categories to focus on depend on environmental impact:
- Direct GHG emissions from buildings and fleet
 - Indirect GHG emissions embodied in goods and services
 - Climate resiliency
 - Waste (incl. plastic waste) diversion
 - Water efficiency
 - Increased biodiversity
 - Circular Economy
 - Clean Tech

Most spend is in few big contracts (avg from last 9- yrs):

- Contract value greater than \$25k = Avg. 28,800 contracts \$17B / year
- Contract value less than \$25k = Avg. 331,000 contracts \$.8B / year
- Almost 40% of procurement is for Defense

Greening Government Strategy – Strengthened procurement commitments – Transition to a net-zero, circular economy



- include **criteria** that address carbon reduction, sustainable plastics and broader environmental benefits into high environmental impact procurements
- **incentivize** major suppliers to adopt a **science-based target in line with the Paris Agreement**, and to **disclose** their GHG emissions
- support departments in **adopting clean technology** and undertake clean technology demonstration projects
- **eliminate** unnecessary use of **single-use plastics**
- promote procurement of **sustainable plastic products** and the reduction of associated plastic packaging waste;
- strengthen support for green procurement, including guidance, tools and training for public service employees.

Policy on Green Procurement

Objective

- to advance the protection of the environment and support SD by integrating environmental performance considerations into the procurement decision-making

Expected results

- **contribution to environmental objectives** related to GHGs, water, air, energy, ozone depleting substances, reuse and recycling; hazardous waste, toxic and hazardous chemicals and substances; and biodiversity, resilience to climate change
- **lever the purchasing power** of the federal government to achieve economies of scale
- more environmentally responsible **planning, acquisition, use and disposal** practices

Deputy Head Requirements

- ensure that the objectives of green procurement are realized
- ensure **management control frameworks** incorporate environmental considerations: from procurement planning, identification and definition of requirements, acquisition, operation and maintenance of assets, to disposal of goods or closure activities of services.
- **support the Treasury Board of Canada Secretariat** in its lead role in ensuring the implementation of this policy and PWGSC in the development of procurement or materiel strategies and instruments

Leadership roles identified for departments with specific environmental expertise

Circular Economy in the Federal Procurement context

- In the Greening Government Strategy (GGS), the government committed to *“aid the transition to a net-zero, circular economy through green procurement that includes life-cycle assessment principles and the adoption of clean technologies and green products and services”*
- In support of the GGS, the Policy on Green Procurement requires DMs to ensure management control frameworks incorporate green procurement elements.
- The policy also references key elements of circular economy in its expected results of **“Contribut[ing] to environmental objectives** related to GHGs, water, air, energy, ozone depleting substances, reuse and recycling; hazardous waste, toxic and hazardous chemicals and substances; and biodiversity, resilience to climate change.”
- Examples of initiatives:
 - Commitment to divest 75% of waste.
 - Reduce the use of single use plastics
 - Clause to reduce packaging

Plan going forward for greening procurement

1. Implement existing procurement requirements for operational carbon emissions
 - **Buildings:** new builds net-zero carbon; retrofits use shadow carbon price of \$300/tonne
 - **Electricity:** procure 100% clean by 2022 where possible, latest by 2025
 - Budget 2021 includes \$92M for clean electricity
 - **Fleet:** procure 75% ZEVs/hybrids; 80% of fleet to be ZEV by 2030; 100% of new executive vehicles to be ZEVs/hybrids
 - Integrated requirements into TBS Policies/Directives and developed common procurement instruments
2. Prioritize development of new mandatory requirements for:
 - **High impact categories** – goods and services with high environmental impact
 - i.e. cement, steel, whole building carbon, IT, fleet/equipment, plastics, fuels
 - Budget 2021 includes \$227.9 million/8 yrs for a low-carbon fuel procurement
 - Working with National Research Council (and ECCC) on life cycle assessment (LCA) project for construction materials

Plan going forward for greening procurement (cont'd)

3. For high volume buys - continue to green **Standing Offers and Supply Arrangements**
 - Over 40% of PSPC's 7000 SOSAs have environmental criteria.
4. Each **department** to analyze their procurement spend and take action in their key categories
5. Form **coalitions** with other big green buyers to lever greater action:
 - **Greening Government Initiative** - a new international community of practice on greening procurement co-chaired by Canada (TBS) and US (CEQ)
 - Building communities of practice with other big buyers

EXPLORING SHARED INITIATIVES:

- ✓ Signaling aggregated demand to market
- ✓ Establishing shared procurement instruments
- ✓ Procurement enablers – developing standards, specifications, guidance

Greening Government Initiative

Announced in conjunction with US President Biden's April 2021 Leaders Summit on Climate

- “Canada, the United States and like-minded governments around the globe are addressing climate change and greening their operations, including using cleaner energy sources, moving to zero-emission vehicles, greening their procurement and pursuing green and resilient infrastructure.”
- “As a first step in their collaborative work, the Government of Canada’s Treasury Board Secretariat and the White House Council on Environmental Quality (CEQ) are creating the first of its kind forum for countries to cooperate on greening their government operations. This initiative will enable countries around the world to share lessons learned, promote innovation and, where relevant and possible, set common greening government goals to support the work underway by countries to meet their commitments under the Paris Agreement.”
- “The Greening Government Initiative will enable formal and informal international cooperative opportunities, including information sharing, technical exchange, working groups, data stewardship, strategic partnerships, workshops, and communications.”

Greening Government Initiative

- An opportunity for countries, including Canada, to advance their greening targets – including circularity
- First virtual meeting held on April 29th
- Brenda Mallory, Chair of the White House Council on Environmental Quality (US) and Jean-Yves Duclos, President of the Treasury Board (Canada) provided opening remarks highlighting the importance of governments leading by example
- 32 countries participated in the meeting and several countries contributed to the discussion portion of the meeting expressing their support



**Circular & Fair
ICT Pact**

The Circular and Fair ICT Pact

Collaboration in ICT procurement to change the industry (and the clients!)

World Circular Economic Forum, September 15 2021



One planet
handle with care

Cuno van Geet,
Ministry of Infrastructure and Water Management
The Netherlands

Contents

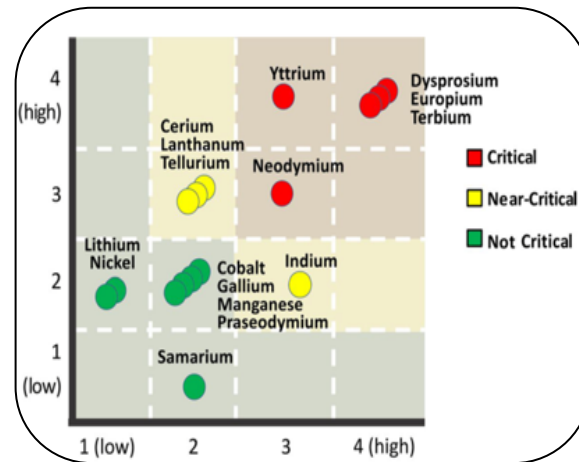
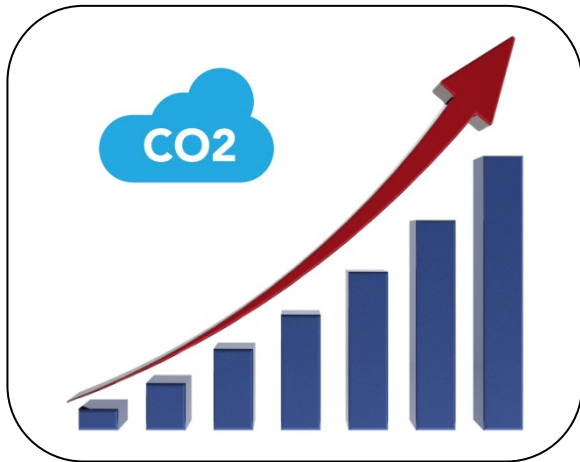
1. Why?
2. Approach
3. Partners
4. Actions



ICT is fundamental to modern daily lives



But comes at a social and environmental cost





*“Our **ambition** is to implement a (collective) procurement strategy that drives the market for circular and fair ICT.*

For CFIT participants, a procurement strategy does not only focus at procurement itself, but also operational management, contract management as well as end-of-use management”

Myth busting

The new wonder oil? What does not work?

Criteria!

Impact calculations!

Manifesto!

Resolutions!

Pilots!

Guidance

Procurement is key

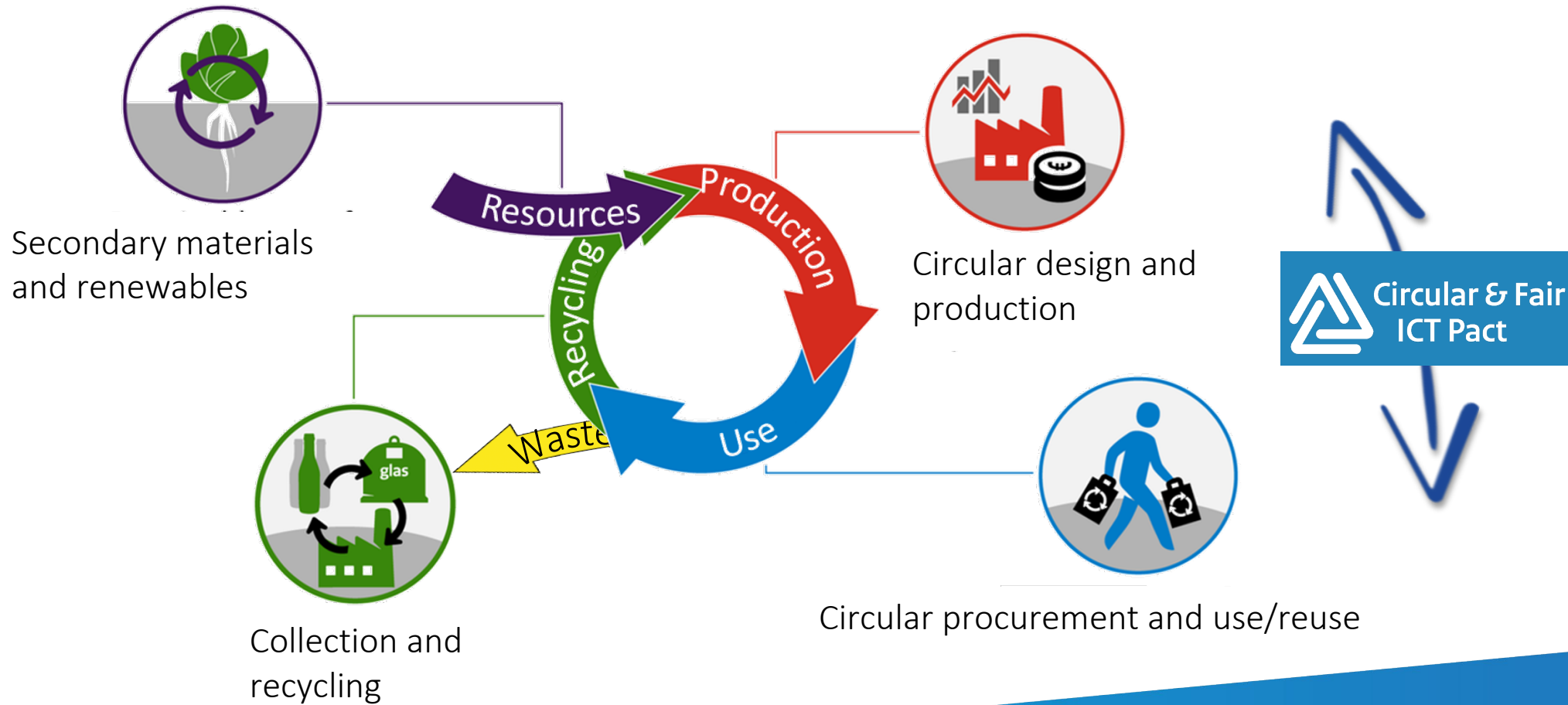
Training!

Leadership group

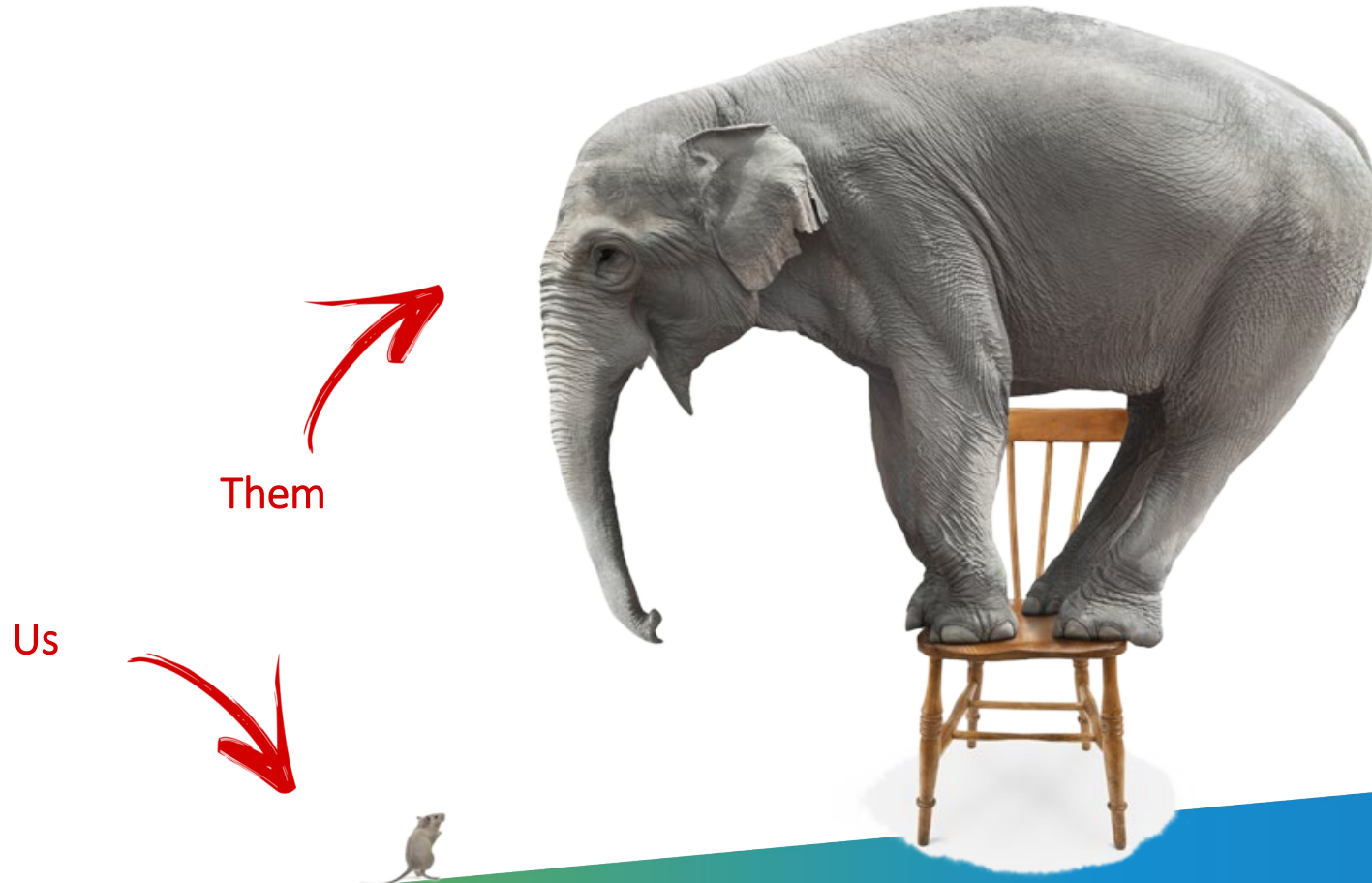
Policy framework!



A shift towards circularity is needed



Size matters



Pooling our procurement power



Coordinating participants



 **Federal Ministry**
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

Austria

Federal Institute for
**Sustainable
Development** 
Wallonie

Belgium

 **CIRCULAR**
INNOVATION
COUNCIL

Canada

 **Federal Ministry**
for the Environment, Nature Conservation
and Nuclear Safety


Germany

 **Ministry of Infrastructure
and Water Management**

The Netherlands

 **The Norwegian Agency
for Public and Financial Management**

Norway

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Office for the Environment FOEN

Switzerland


**Department
for Environment
Food & Rural Affairs**

United Kingdom



Procuring participants

HET FACILITAIR
BEDRIJF

Belgium,
Flanders Region

12 Buyers Netherlands



Australia
Planet Ark Foundation

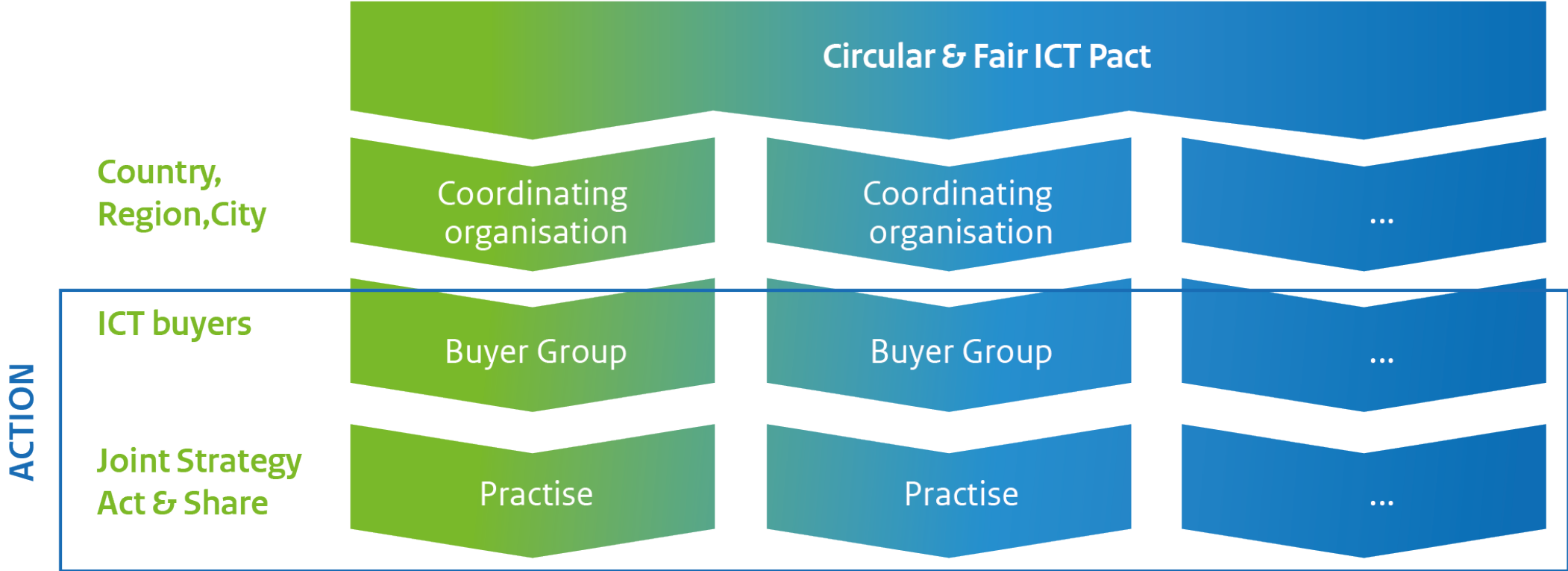
15 Buyers Belgium



Belgium
Commune d'Engis

Buyer Groups
Under constructions

CFIT





CFIT Pact

- Shared ambitions
- Market dialogue
- Core criteria
- Pilots
- Knowledge sharing
- Setting up national or regional buyer groups

Countries /
regions

Public
procurers

Business Networks

...

CFIT

Steering committee

Monitoring

Secretariat

Daily management:
- Facilitate WGs & BGs
- Facilitate S/D connection
- Communication

Product group
or issue

National or regional

NGO's

Mobile Devices

Buyer Group

Market consultation

Stakeholders
Manufacturing Chain

Laptops

Buyer Group

Market consultation

High Level Dialogue

...

Buyer Group

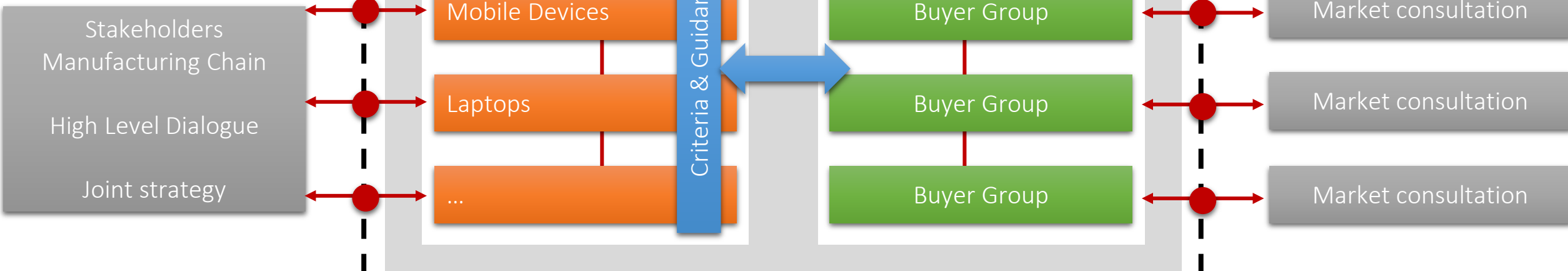
Market consultation

Joint strategy

Criteria & Guidance

Suppliers

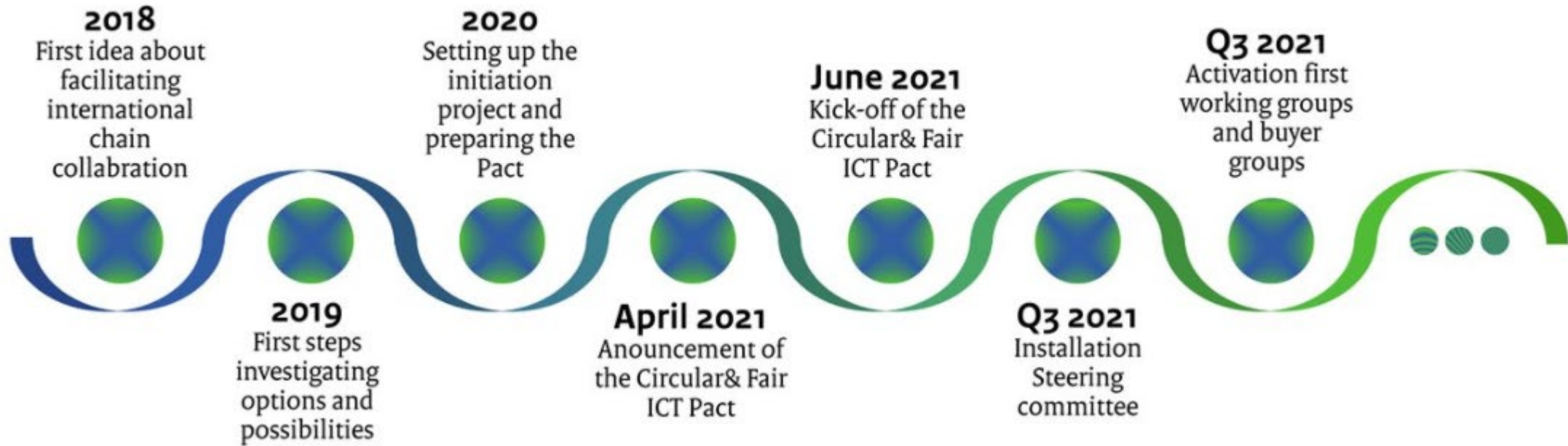
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Timeline & website



Website: <https://circularandfairictpact.com/>





Date: 2021-07-06
Version 1.0

How to guide: Circular & Fair Procurement of ICT

Three hotspots to
implement tomorrow





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1. Buy less, use longer



2. Buy better



3. Use again

Hotspots

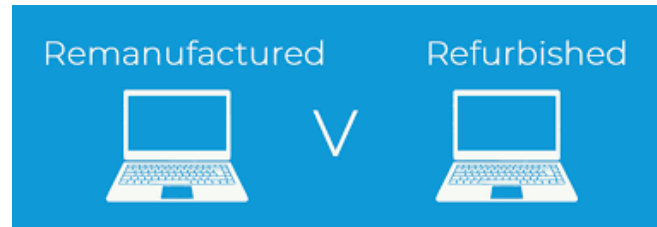
1. Buy less, use longer



2. Buy better



3. Use again





Working Group Guidance & Criteria

Defining: Project plan, scope, process,..



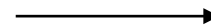
Project plan

Collecting: Criteria, cases, guidance



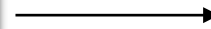
List of doc's

Selecting & Summarizing



Draft Guidance
10 pager
Mother document

Theme discussions



Annexes per
Theme



Basic
Guidance &
Criteria

Levels of ambitions



Dialogue

Higher ambitions
Transition, strategic

Wider uptake & testing in Buyer Groups



High ambitions
further testing & tailored options

Basics in Buyer Group



Common criteria
'No risk', Exclude the bad guys
Not country specific



Thank you for participating!
Questions? Contact us at CFIT@rws.nl

CFIT is an action under the
UN One Planet Network SPP Programme



One planet
handle with care

CIRCULAR CLEVELAND & THE POWER OF PUBLIC PROCUREMENT

World Circular Economy Forum

September 15th, 2021





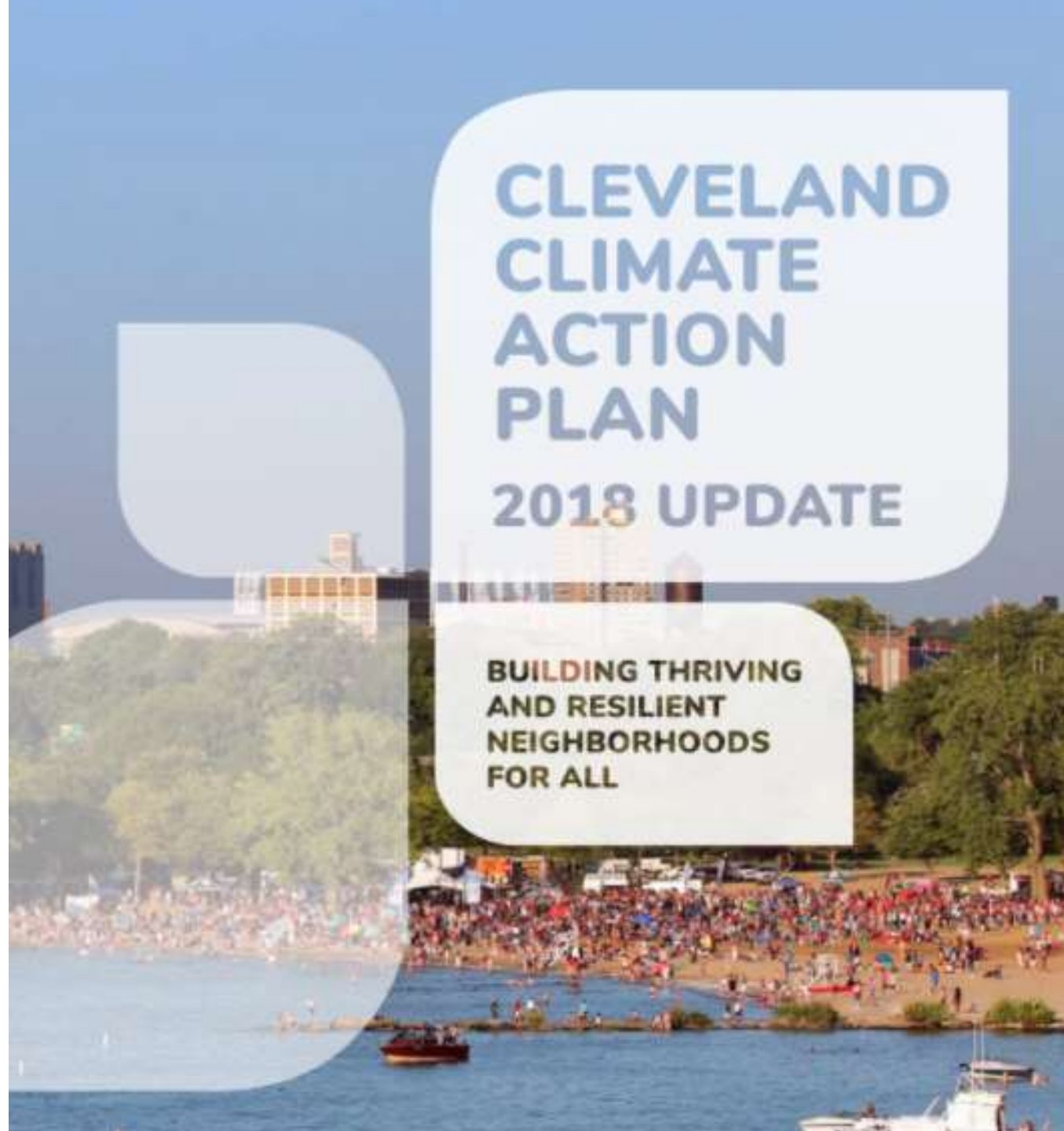
SUSTAINABLE CLEVELAND

Together we're building a thriving green city on a blue lake

- Annual Sustainable Cleveland Summits
 - 500+ attendees annually
 - Representing all walks of life
- Volunteer Working Groups
- Ongoing outreach, education, and engagement
- Collaborative approach- City serves as convener for many initiatives

CLEVELAND CLIMATE ACTION PLAN

- Updated in 2018
- Intentional focus on equity and community engagement
 - 12 neighborhood workshops
 - 300+ residents engaged
 - 90+ member advisory committee
- 5 focus areas + cross-cutting priorities
- 80% Emission reduction goal by 2050
- 30% Residential waste diversion goal by 2030



CIRCULAR CLEVELAND

Major initiative to rethink waste management

- One of six cities selected by RWJF
- Awarded approximately \$475,000
 - 30 month project
 - Roadmap and implementation

Key features of award

- Intentional focus on equity
- Community engagement
- Linkage to global ideas

Funding provided by 
**Robert Wood Johnson
 Foundation**

Cleveland
 Neighborhood
 Progress



CITY OF CLEVELAND
 Mayor Frank G. Jackson



**NEIGHBORHOOD
 CONNECTIONS**



**ELLEN MACARTHUR
 FOUNDATION**
 Partner



A CIRCULAR ECONOMY...

- reduces waste and pollution;
- keeps products and materials in use by reuse and repair; and
- restores and renews nature.

The circular economy also creates local wealth and opportunities.



CIRCULAR CLEVELAND ELEMENTS

Key deliverables in RWJF application

- Circular Cleveland Roadmap
- Community engagement and expanded education including CC Ambassadors
- Support for neighborhood projects through small grants
- Composting program at the West Side Market
- Incentives for small businesses advancing circular economy solutions



STAKEHOLDER ENGAGEMENT

In-person and Virtual Sessions

- August 2021
- First of six workshops
- Engaged ~100 stakeholders
- Public, private, and social sectors

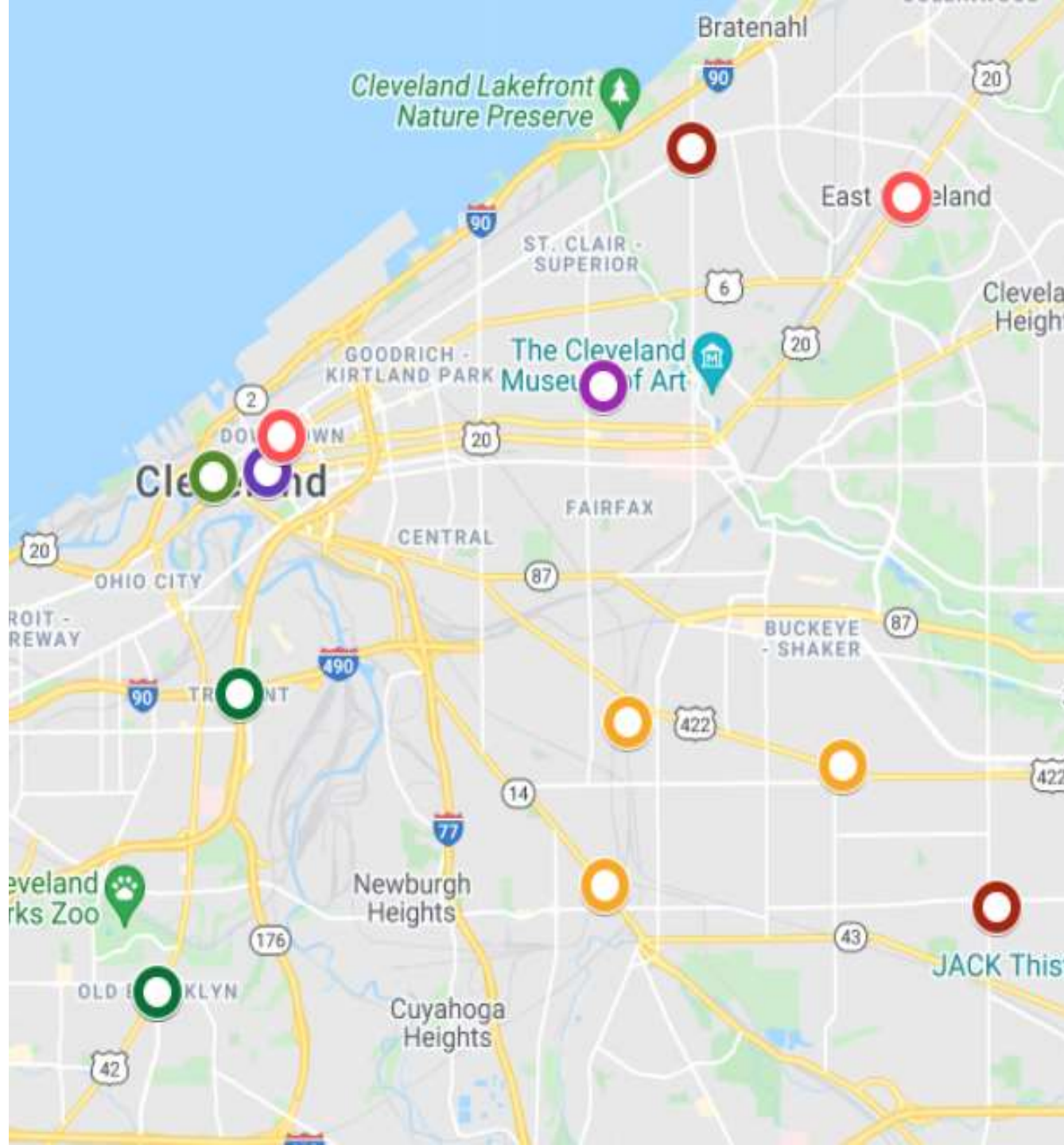


PYXERA Global

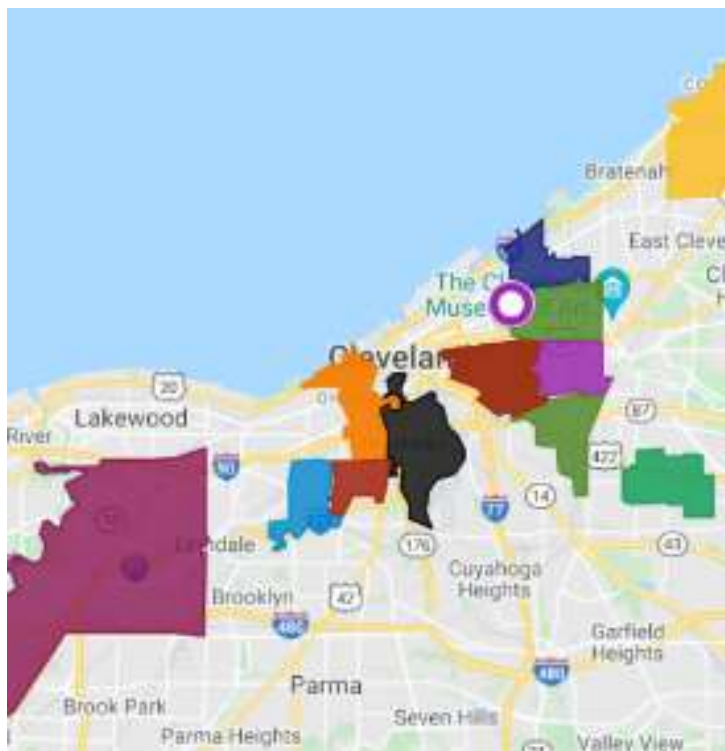


CIRCULAR CLEVELAND COMMUNITY GRANTS

- 21 grant applications
- 14 grants awarded
- \$40,771 in funding



CIRCULAR CLEVELAND AMBASSADORS



CIRCULAR ECONOMY & PUBLIC PROCUREMENT

Leveraging our buying power

\$1.8 Billion Annual Budget

- \$24 Million- Utilities
- \$49 Million- Contractual Services
- \$6.5 Million- Materials & Supplies
- \$9.5 Million- Maintenance
- \$5.2 Million- Capital



LOCAL & SUSTAINABLE PURCHASING POLICY

Passed in 2010

Bid discounts on competitively bid contracts or evaluation credits on professional service contracts

Categories:

- Sustainable Business
- Local Producer
- Local Food Purchaser



LOCAL PRODUCER,
LOCAL FOOD PURCHASER, &
SUSTAINABLE BUSINESS PROGRAM



SUPPORTING LOCAL &
SUSTAINABLE BUSINESSES



CITY OF CLEVELAND
Mayor Frank G. Jackson

Mayor's Office of Equal Opportunity

CIRCULAR ECONOMY & PUBLIC PROCUREMENT

Opportunities

- Capital Projects
- Fleet & Electric Vehicles
- Organic Waste & Trees
- Legislation
 - Plastic bag ban



CIRCULAR ECONOMY & PUBLIC PROCUREMENT

Challenges

- “Lowest and best”
- Staffing capacity
- Standard specifications
- Political will



THANK YOU

KRISTIN HALL

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WWW.SUSTAINABLECLEVELAND.ORG



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18-21 OCT 21

25-28 OCT 21



CircularProcurement.ca/Summit21



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