

Alberta Moves Toward Circularity

SWRC: The Next Chapter
April 29, 2022

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Recycling Council of Alberta



Extended Producer Responsibility

EPR Definition

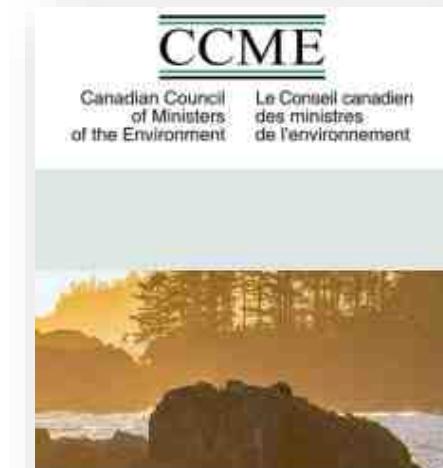
Environmental / economic policy approach in which producers of products and packaging bear responsibility for ensuring those products and packages are properly managed at the end of their lifecycle.

OWMA, 2013

National EPR

CCME Canada-Wide Action Plan (2009)

- Phase 1 (by 2015)
 - Packaging
 - Printed materials
 - Mercury containing products
 - Electronics and electrical products
 - Household hazardous and special wastes
 - Automotive products
- Phase 2 (by 2017)
 - Construction / demolition materials
 - Furniture
 - Textiles and carpet
 - Appliances



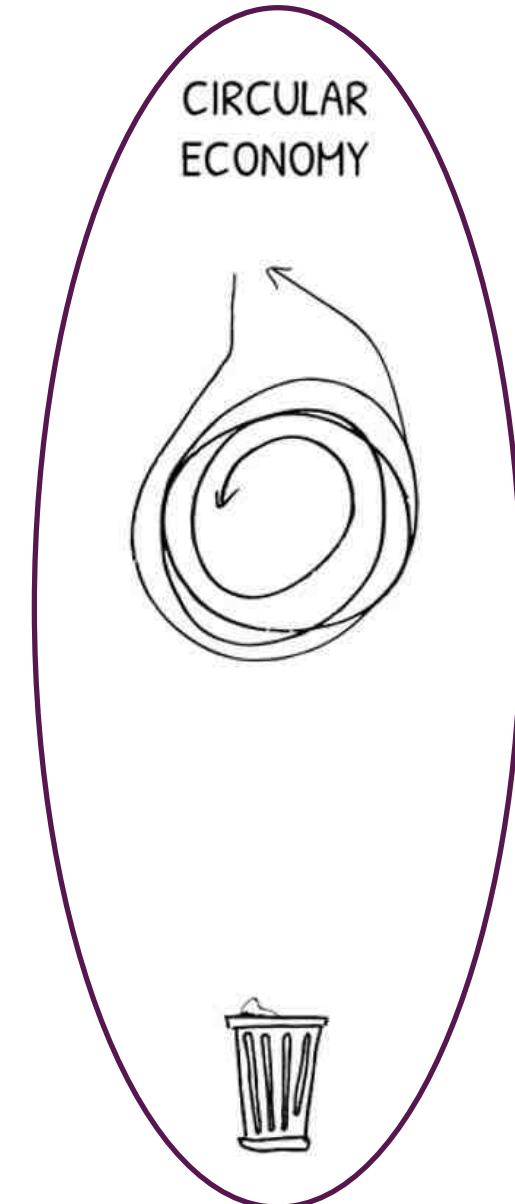
Benefits of EPR

- Transfers cost and liability from municipalities and taxpayers to producers
- Provides incentive to producer to improve design
- Encourages Circular Economy
 - Producers have direct role in system
- Provides provincial program consistency
- Economy of scale provides market resilience

RCA's EPR Principles

An EPR framework should:

1. Drive a circular economy
2. Be outcomes-based
3. Have performance standards that are ambitious, measurable and enforceable
4. Ensure a level playing field
5. Be implemented alongside complementary regulations



EPR – Engagement and Next Steps

Completed Activities

Spring 2021
Engage with Albertans

Summer/ Fall 2021
Policy analysis

Fall 2021
EPEA
Amendments

Winter 2021/22
Engage with Stakeholders

Early 2022
Policy analysis

Next Steps

Early 2022
Develop policy options

Spring 2022
Establish Framework

Summer 2023
Establish Oversight

Winter 2024
EPR programs operational

2022 - 2024
EPR Transition

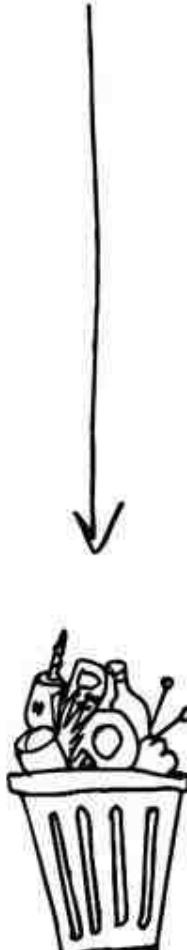
Circular Communities

Circular Economy

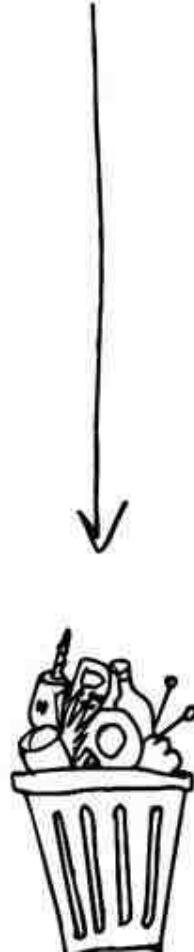
A new paradigm
for the
environment
and economy



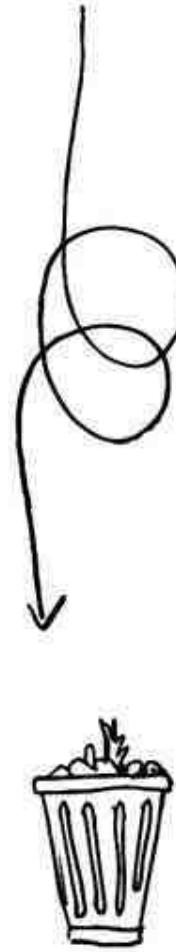
LINEAR ECONOMY



LINEAR ECONOMY



RECYCLING
ECONOMY

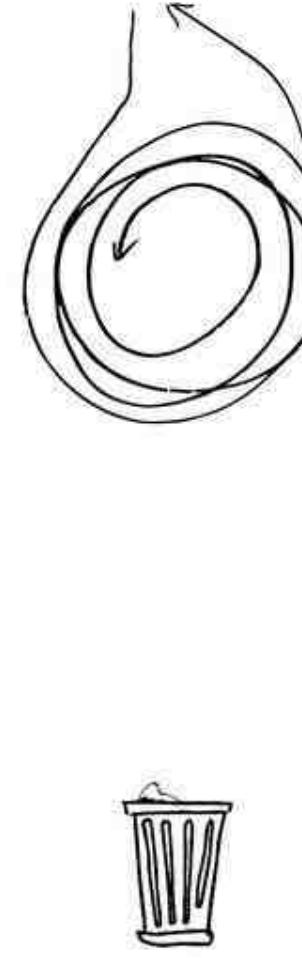
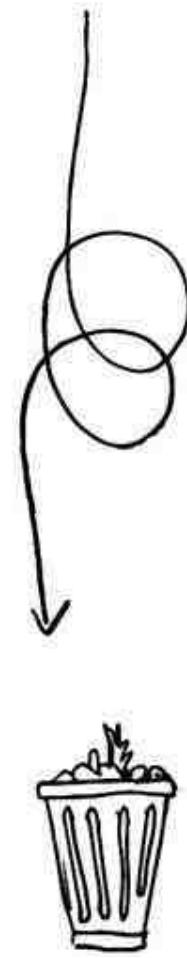
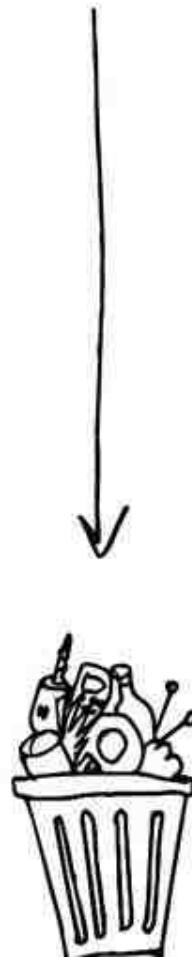


RCA RECYCLING COUNCIL
OF ALBERTA

LINEAR ECONOMY

RECYCLING
ECONOMY

CIRCULAR
ECONOMY



Why Communities?



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Circular economy in cities

How can we embed circular economy principles to build thriving, liveable, and resilient cities?

Circular economy



50%

of global population
lives in urban areas

2/3

of global energy
is used in cities

70%

of global resources
are used in cities

4/5

Albertans live in cities

The Leaders



Mainly in Netherlands and Great Britain

- Amsterdam, NL
- Rotterdam, NL
- Glasgow, UK
- London, UK
- Peterborough, UK
- Brussels, Belgium
- Austin, Texas, USA
- Toronto, Ontario, CAN

Participating Communities



**STRATHCONA
COUNTY**



**CITY OF
Lethbridge**



Workshop Participants



Areas of Expertise

- Agriculture • Community Services
- Economic Development • Facilities
- Financial Services • Innovation
- Infrastructure • Land Development
- Parks • Policy Development
- Procurement • Planning
- Sustainability and Environment
- Utilities • Transportation
- Waste and Recycling

Roadmap Prototypes



Roadmaps

- Content from community engagement populated framework
- High level
- Tailored based on objectives and priority areas
- Collaborative!



Banff Library of Things

- Town of Banff and Banff Public Library partners
- Opened October 2021
- Items that are rarely used, hard to store or expensive
 - Tools
 - Cooking appliances
 - Hobby items
- Free to access - Banff Public Library membership





Strathcona County

- Internal red tape reduction workshops to break down barriers and encourage circular innovation
- Circular Economy business solution series
- Implementation of Love Food Hate Waste campaign



City of Lethbridge

- Lending Library (in conjunction with the Public Library)
 - Survey to determine target audience and potential items/materials
- Triple bottom line procurement policy
 - circular economy principles
 - social aspects



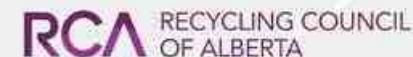
Circular Cities & Regions Initiative

Providing Canadian local governments with the knowledge and tools to accelerate circular economy solutions

OUNCIL



In collaboration with



Program Highlights



The Canadian Circular Cities and Regions Initiative (CCRI) is advancing circular economy knowledge and capacity among the Canadian local government sector.

Webinar Series

A series of public knowledge-sharing webinars exploring innovative circular city approaches from across Canada and globally.

Peer-to-Peer (P2P) Network

In-depth access to circular economy experts and the opportunity to discuss approaches, opportunities and challenges with peers from across the country. Two foundational workshops and key resources on CE provided by the Ellen MacArthur Foundation.

Action Planning

Facilitated half-day virtual workshops, additional guidance, and one-on-one support to help participating local governments in the P2P Network develop a circular economy roadmap for their community.

CCRI Advisors and Knowledge Partners

KNOWLEDGE
PARTNERS



EXPERT EN LA MATIÈRE



ELLEN MACARTHUR
FOUNDATION



ADVISOR
S

- Carla Bitz @Town of Banff
- Wayne Hubbard @ReLondon
- Barb Swartzentruber @City of Guelph
- Blake Robinson @Circle Economy
- Meaghan Davis @City of Toronto
- Vanessa Timmer @One Earth
- Sarah O'Carroll @Ellen MacArthur Foundation

CCRI Round One

Knowledge Sharing

Opportunity Identification &

Wrap-Up & Evaluation

March – December 2021

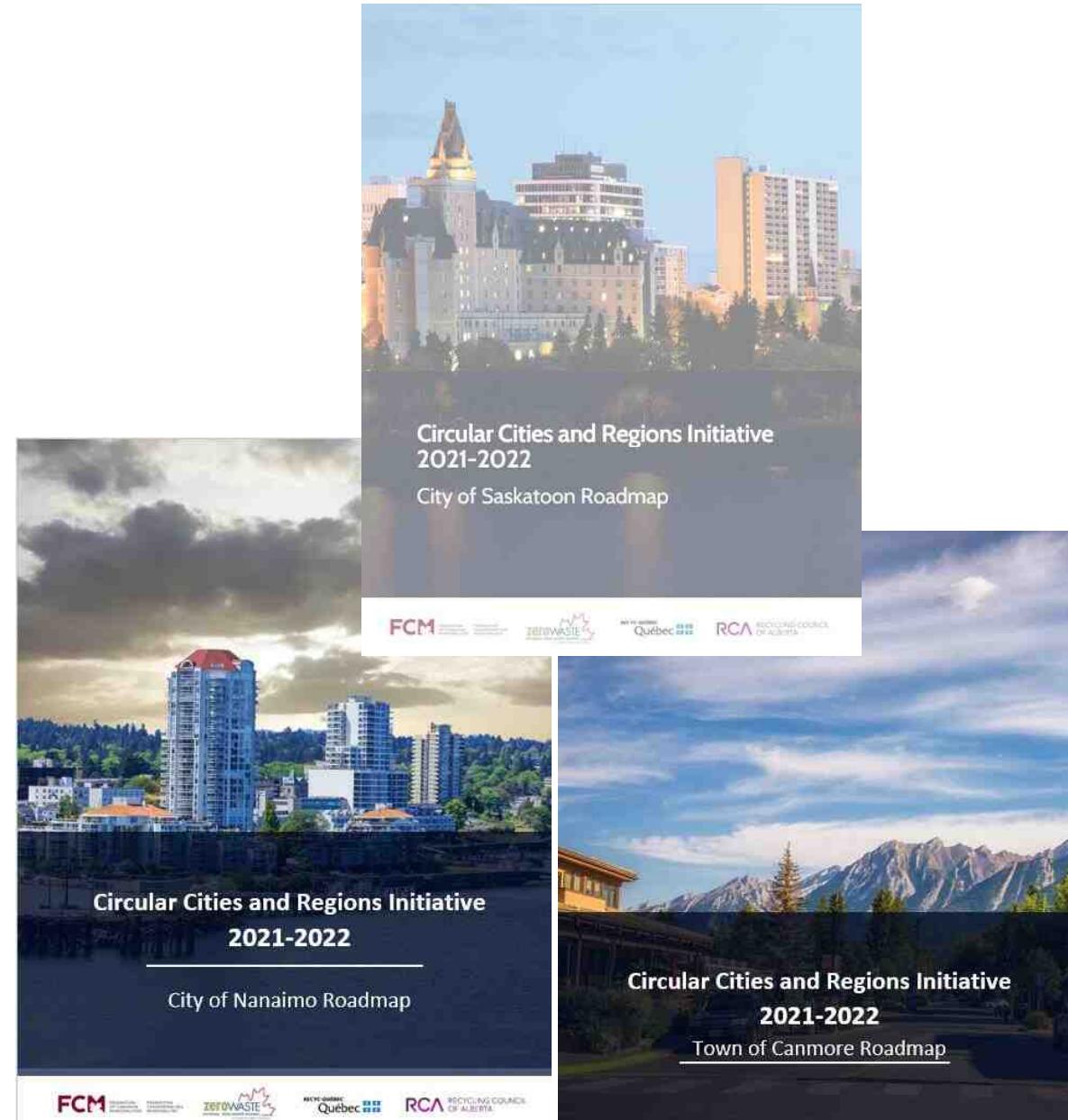
November 2021 – February 2022

March - April 2022

- Kick-Off (March 18)
- Building Your Local Government's Circular Economy Strategy **Webinar** (June 15)
- CE Foundational Workshops with EMF (June 22 and July 8)
- Circularity at all Levels **Webinar** (July 15)
- Coffee Open Session (August 18)
- Circularity in Cities and Regions: Addressing global challenges through innovative place-based approaches **WCEF Accelerator Session** (Sept 15)
- CE Measurement in Cities and Regions **Webinar** (Oct 6)
- 15 Community **Workshops**
- CE Business Support (Nov 4)
- CE Citizen Support (Nov 18)
- CE Roadmapping (Dec 9) with Metabolic and RECYC-QUEBEC (Circularity Gap Report)
- CE Built Environment (Jan 27)
- CE Procurement (March 10)
- CE Bridging the Implementation Gap (April 7)

Metrics

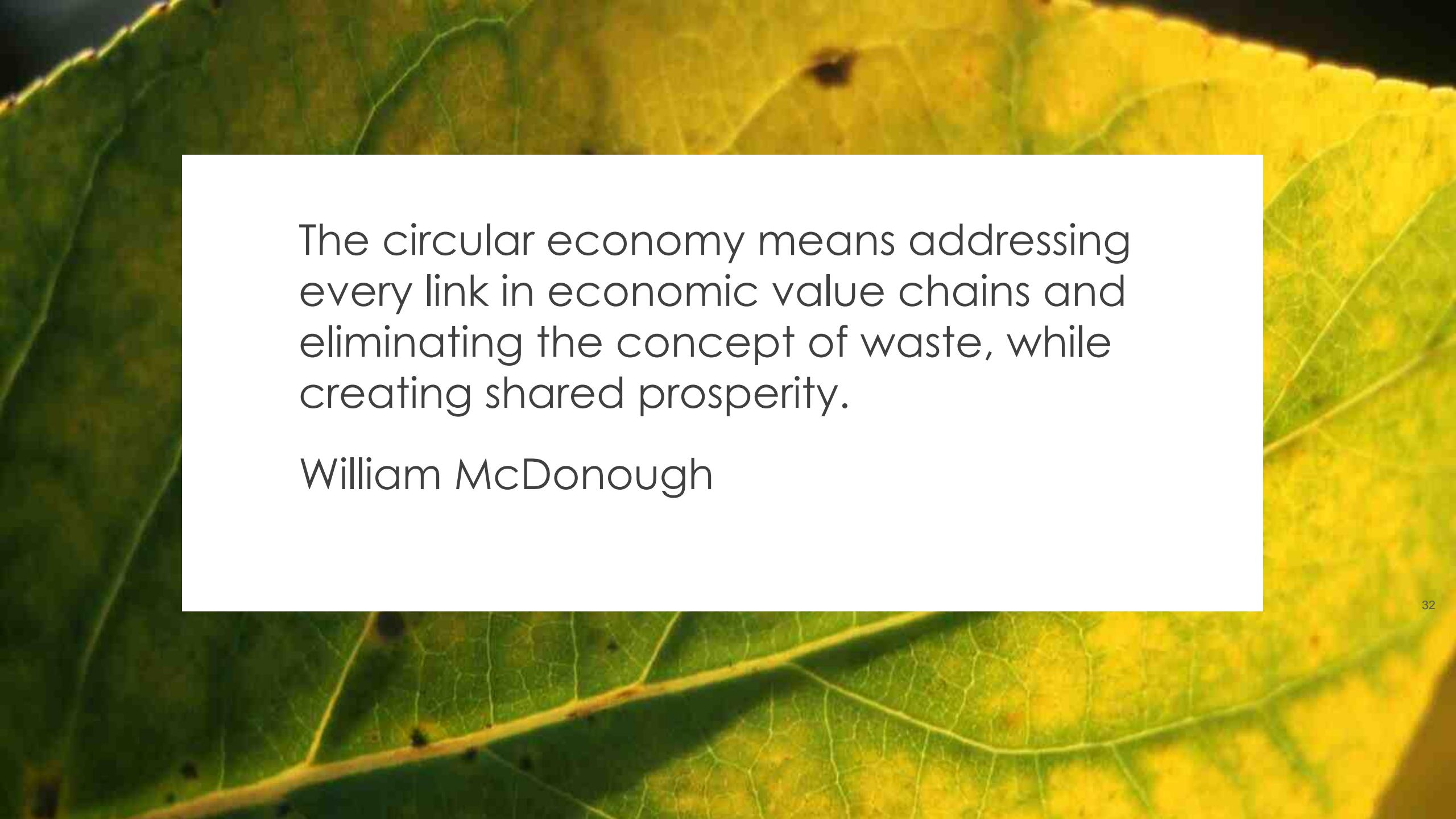
- 5 National Webinars
- 10 P2P Workshops
- 15 Roadmaps
 - Key community focus areas:
 - Built environment
 - Circular business innovation and economic diversification
 - Sharing & reuse economy
 - Food systems



CCRI 2.0

CanadianCircularCities.ca

- **May 2** Call for Applications
- **May 5** Kick-Off Webinar
 - EMF and Circle Economy
 - Town of New Glasgow
 - City of Richmond
 - City of Montréal
- **May 12** Information Session
- **June 10** Applications Due



The circular economy means addressing every link in economic value chains and eliminating the concept of waste, while creating shared prosperity.

William McDonough



RECYCLING COUNCIL
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