



Building a Circular (& Sharing) Economy in the DMV Region

AIR AND CLIMATE PUBLIC ADVISORY COMMITTEE
September 18, 2017

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Livability Project

Green America's Center for Sustainability Solutions

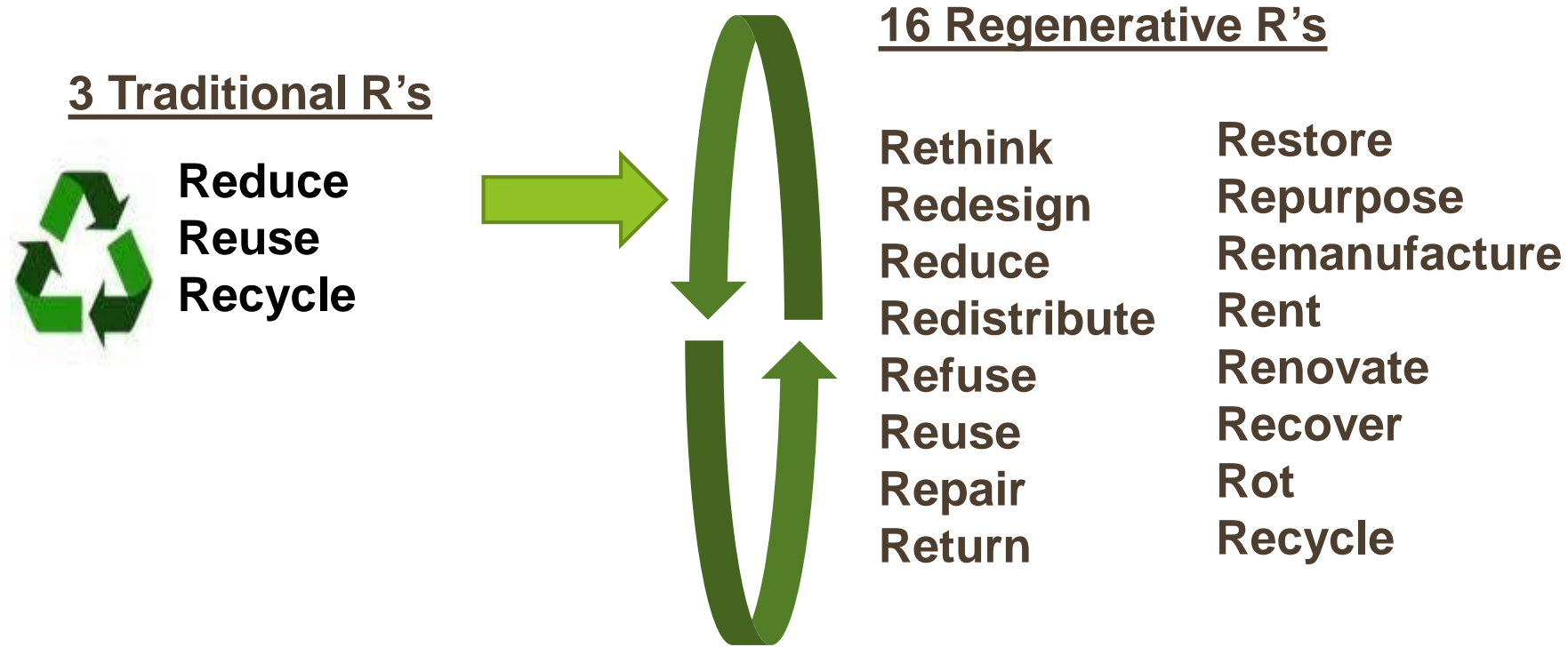
Circular Economy – A New Way of Thinking

The circular economy refers to an industrial economy that is restorative, sustainable and collaborative by intention.

- ▶ Alternative to traditional economy (make, use, dispose)
- ▶ Recover and regenerate products/materials (eliminate end of life)
- ▶ Superior design of products, systems and business models
- ▶ Includes shift to renewable energy
- ▶ Diversity generates resilient and productive economy
- ▶ Tied to 'Sharing Economy, a \$26 billion industry

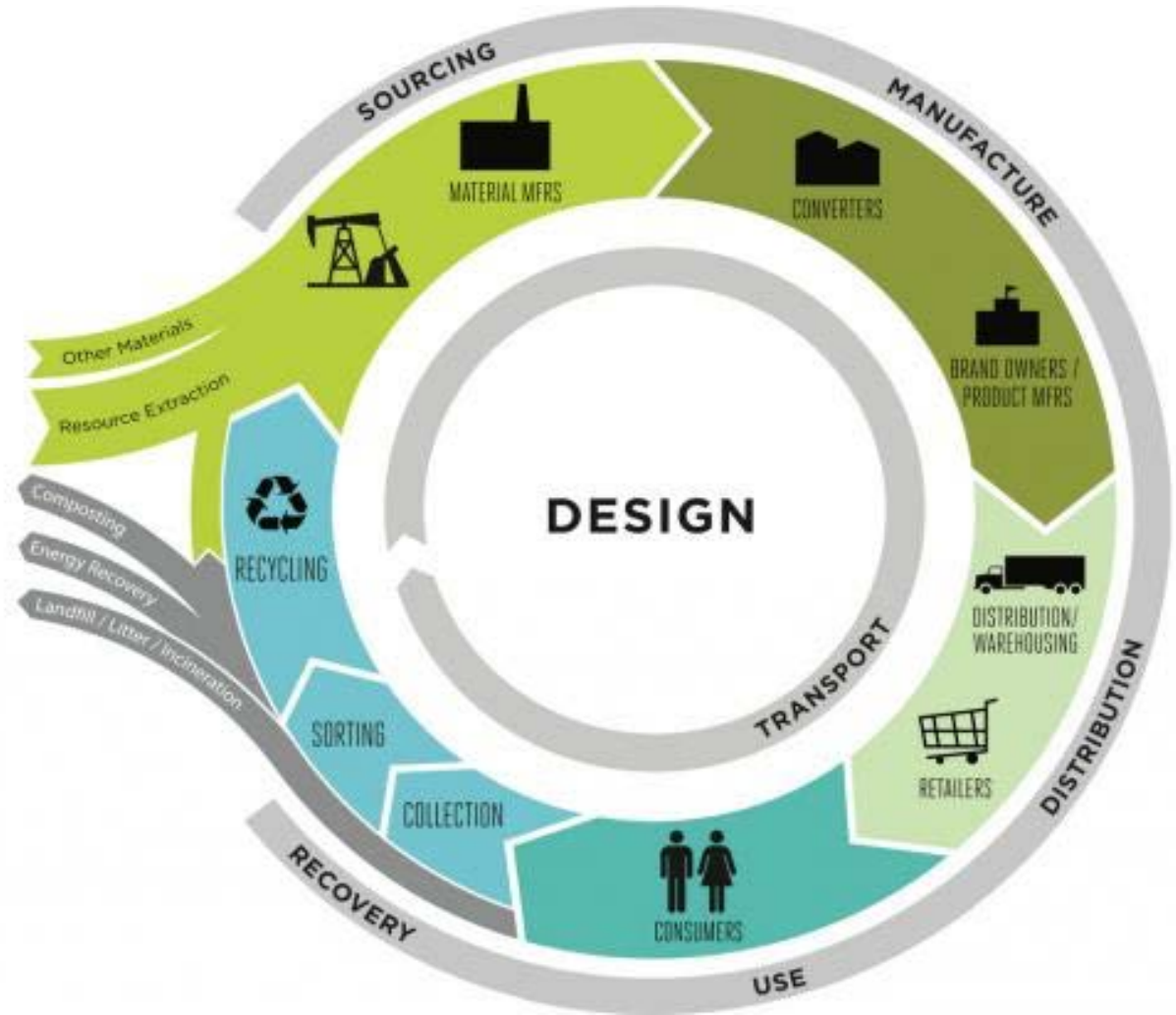


Multiple Rs Drive the Regenerative Economy



Source: The “Multi-R” approach used by Circular Economy Europe highlights 8 Rs. Our approach expands on this.

How does it work?



Who Participates?



Industries

- Food/Agriculture
- Automobile/Transportation
- Building/Construction
- Real-Estate/Accommodation
- Clothing/Furniture/Household
- Supplies, Packaging
- Non-profits

Supply Chain

- Raw Material Producers
- Designers
- Production/Manufacturers
- Distribution/Retail
- Collection/Reuse
- Consumers

Examples of Circular Cities and Regions



NORD-PAS DE CALAIS
LA TROISIEME
REVOLUTION
INDUSTRIELLE
EST EN MARCHE

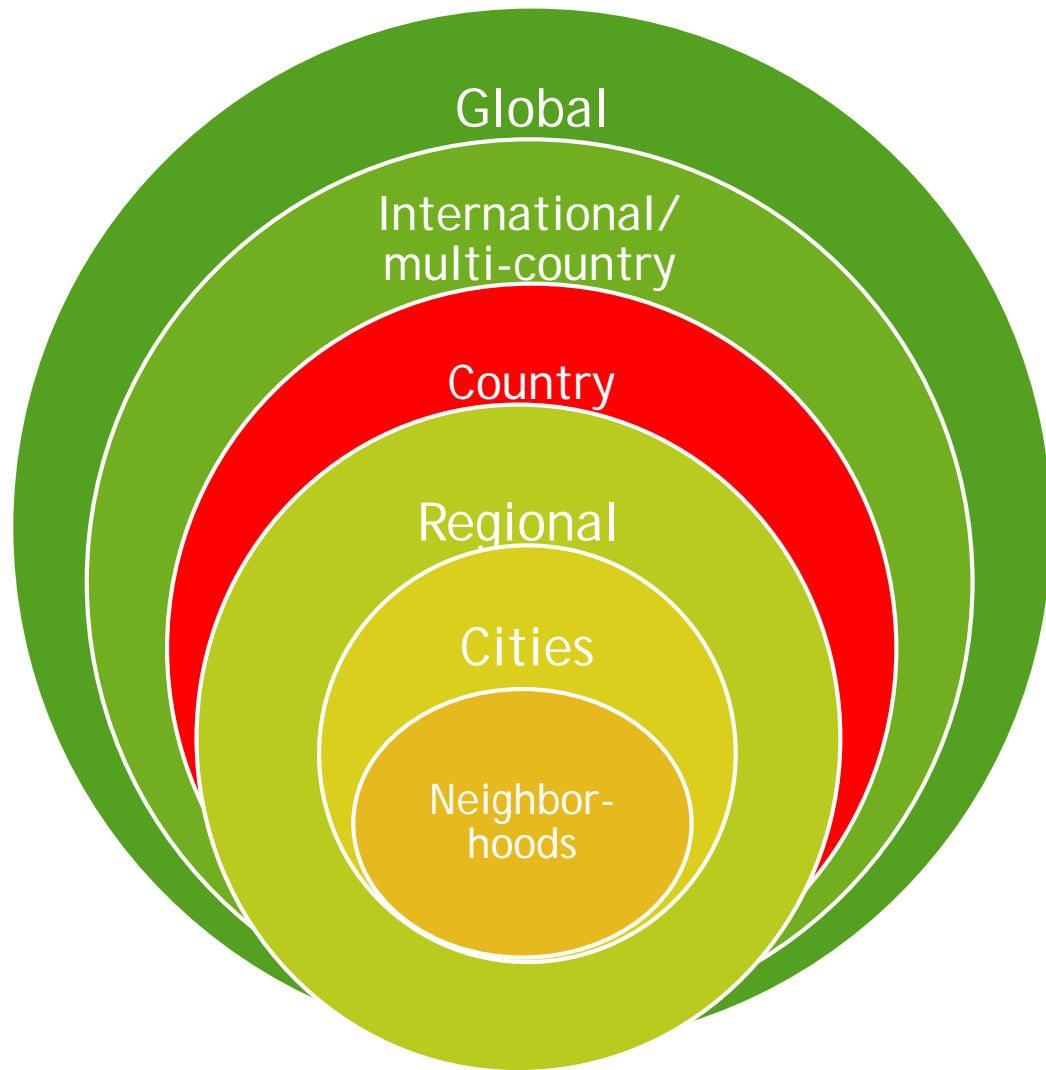
Nord-Pas de Calais
Third Industrial Revolution
Master Plan – 2013



Reimagine Phoenix
Transforming Trash Into Resources



Go Local or Regional When Possible



Short supply chains are best:

- Use clever design to develop economy inward - don't export or import materials and services from great distances unnecessarily.
- Produce sustainable harvests of indigenous materials and use local ingenuity. Buy nationally or internationally only if you can't source locally or regionally.
- Less dependency on geo-political circumstances if you reuse resources that are already present

Circular Economy in Action in the DMV



Arlington Zero Waste Initiative



URBAN THRIFT

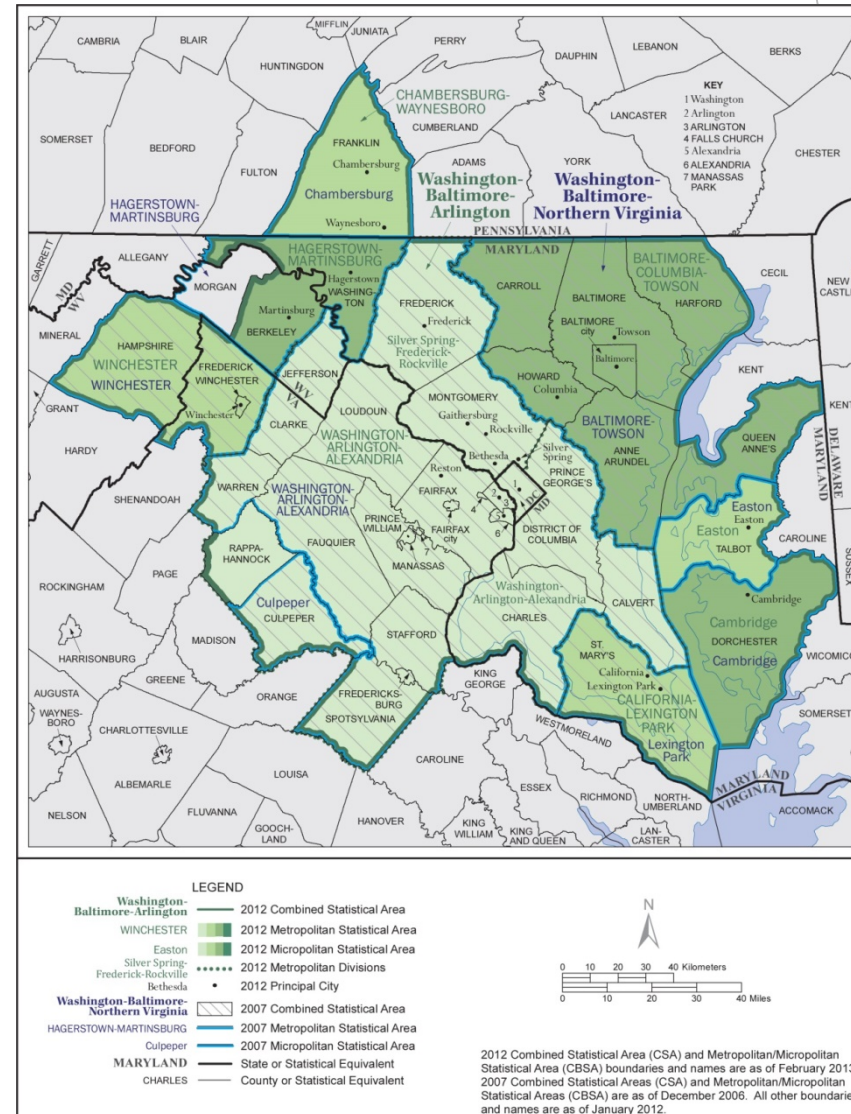
A WIDER CIRCLE



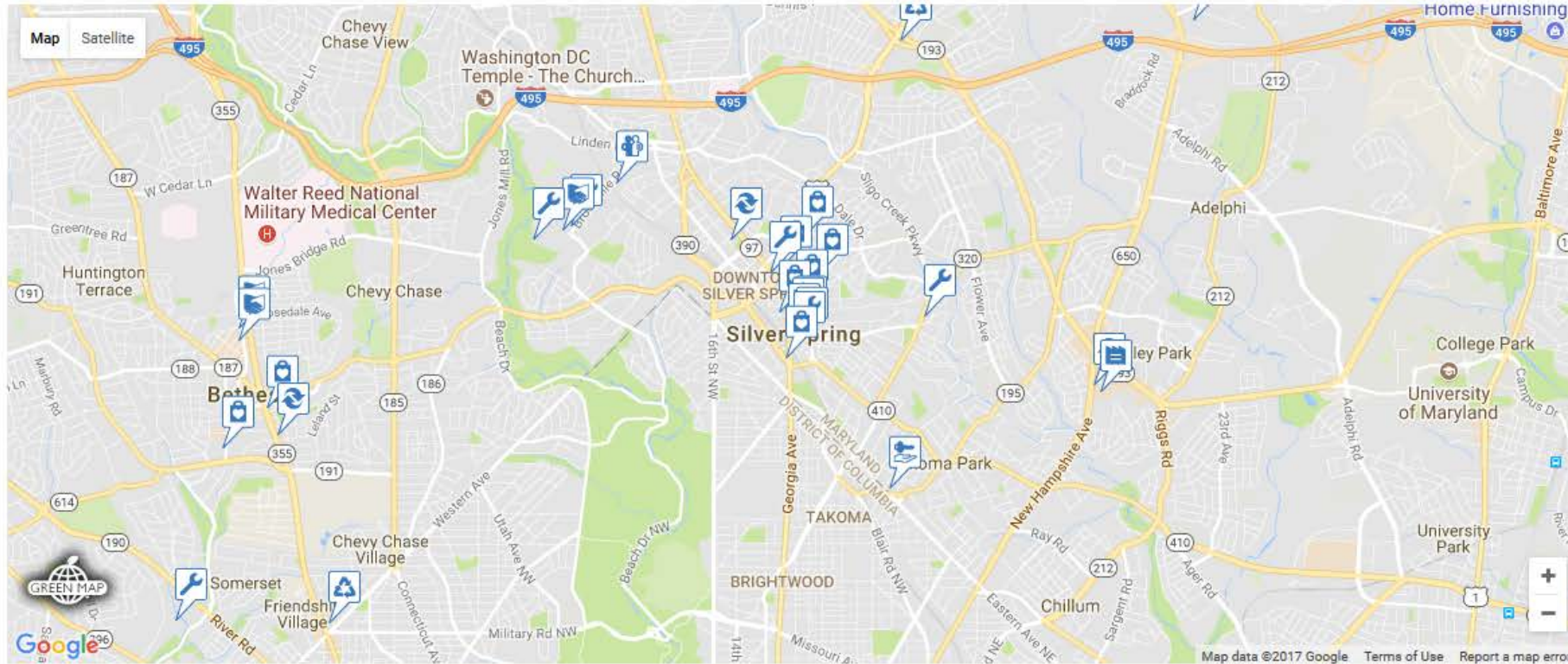
Realizing a Circular Economy in the DMV

Ultimate question - How do we scale in our region ?

- Identify "Multiple Rs"
- Create new production and consumption models
- Shorten chains
- Visioning/Analytical Tools
- Stakeholders work together (public and private)



To view Map on a Mobile Device go to m.greenmap.org



A Green Map promotes the discovery, use, and stewardship of natural, cultural and “green living” resources.

Our participatory mapmaking processes and education outreach activities draw out the richness and diversity of local assets, creating greater public awareness of specific places and highlighting opportunities to advance progress toward building a healthy urban environment for the benefit of all.

OMG will map green assets that already exist and identify new and underserved opportunities to develop green solutions. Using the existing, successful GreenMap platform,




OMG Recycles

Recycle, Reuse, Repair, Share United States


- View Map
- Edit
- About
- Map Dashboard
- Widget
- Map Team
- Add a Site
- Invite new members
- Import/Export

Map Satellite


edit X


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Legend Info Search

Green Map Icons ?



- ▶ Sustainable Living
- ▶ Culture and Society

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Promote a Cluster, Build a Brand



- Leverage power of shared message
- Facilitate business collaboration & sector development
- Educate and engage citizens/consumers
- Events - Tool sharing, Repair Cafés, Makers Training
- Customize brand for future campaigns



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