



**Leaders in Energy**

# **Coming Full Circle with Sustainability:**

**A Workshop on Building a Circular Economy in  
the DMV Region**

**Leaders in Energy  
University of the District of Columbia  
September 28, 2017**



# Sector Presenters



**Jim Schulman**, Executive  
Manager of the Alliance  
for Regional Cooperation

# Jim Schulman, AIA, BMRA Regional Sustainability Strategist







# **Circular Economy Addresses Equity...**

**& the negative  
consequences  
of an  
overwhelmingly  
globalized  
economy**







# Why is the scale and balance of economic and other activities important?

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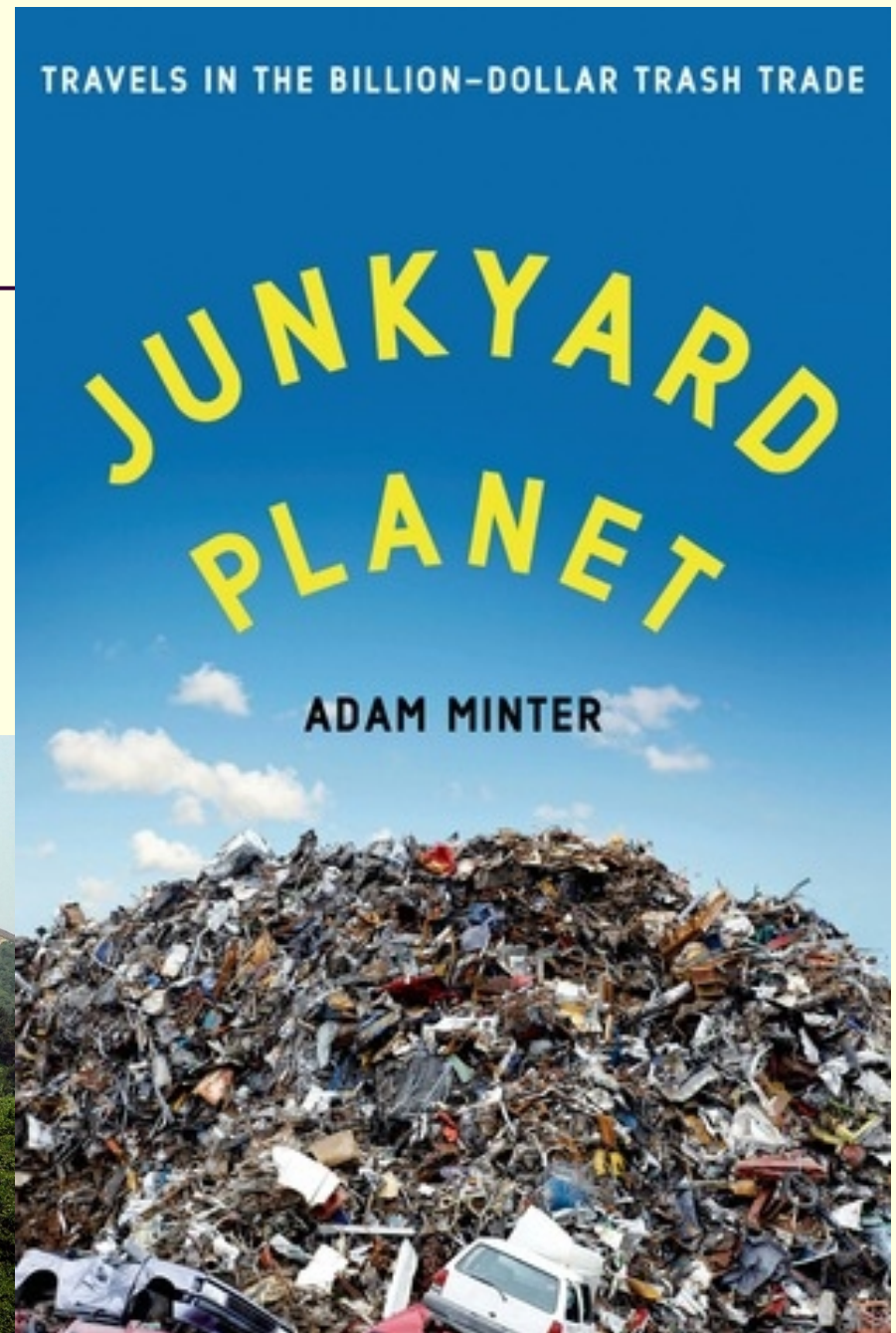
*Locavorism vs.  
Commodified exoticism*





***Why*** is the scale and balance  
of economic and other  
activities important?

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- What if we used clever design to develop our economy inward – so that we wouldn't need to export or import materials and services from great distances?
- What if we relied on sustainable harvests of indigenous materials and local ingenuity to obtain what we need and want?
- What if we worked more cooperatively and less competitively to meet identified needs?



*Open to the Public*

# The Local Economy Solution

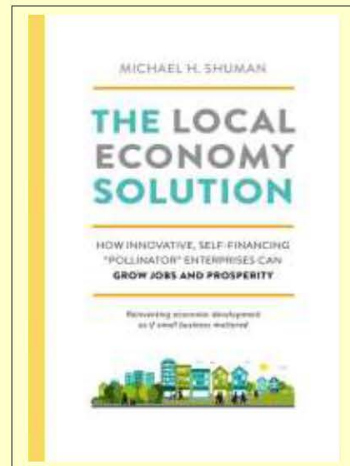
with Michael Shuman

**Wednesday, July 22<sup>nd</sup>, 6:30 – 8:30 pm**  
**Busboys & Poets, 14<sup>th</sup> & V St., NW, Washington, DC**

**(Co-Sponsors: Local First DC, DC Sierra Club, Impact Hub DC, & Mentor Capital Network)**

Join economist, attorney, and community economics expert Michael Shuman for a discussion of his new book, *The Local Economy Solution: How Innovative, Self-Financing Pollinator Enterprises Can Grow Jobs and Prosperity*.

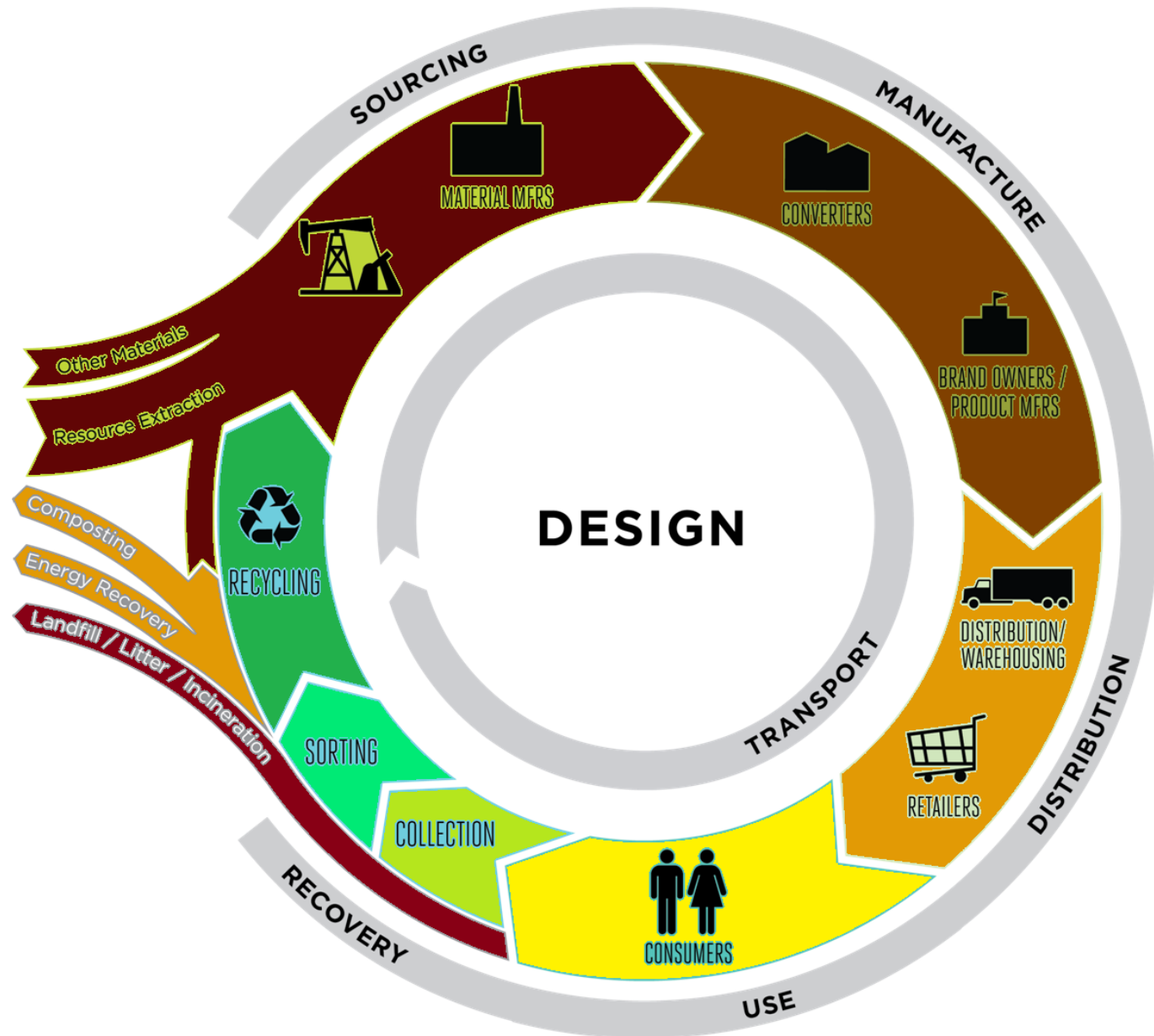
Shuman argues that mainstream economic development is fundamentally misguided, because it overlooks locally owned small business. He shows how *local* economic development might be possible at zero long-term cost, if the profession were to take full advantage of an expanding range of business “pollinators” – self-financing enterprises committed to boosting local business. Come explore these new models for community economic development, and how you can help your local economy flourish.



**“A terrific resource for cash-strapped communities building wealth and resilience from the ground up.”**

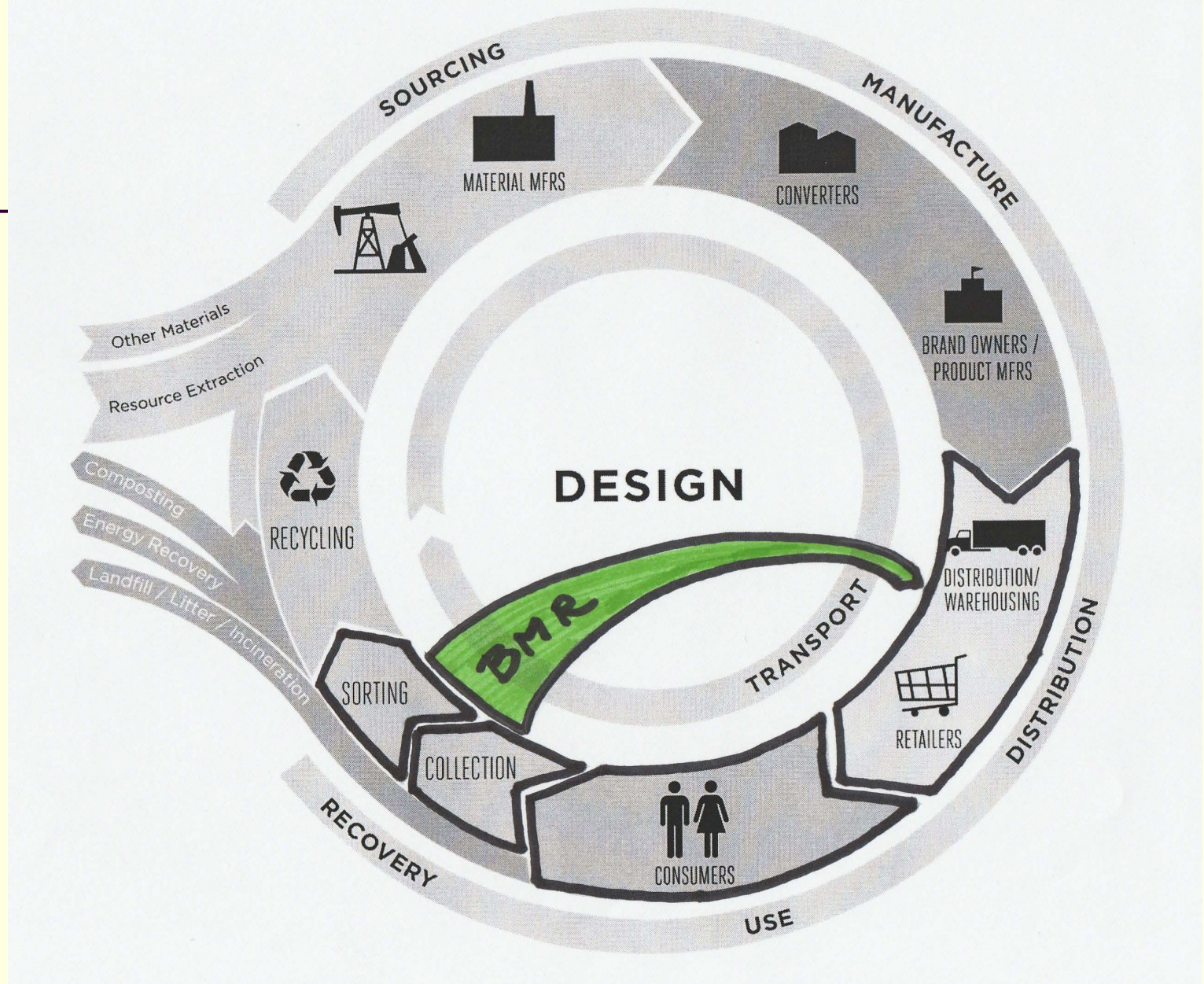
**- Judy Wicks, Co-Founder BALLE**

Michael H. Shuman is a globally recognized expert on community economics, and an adjunct lecturer at Simon Fraser University. He is one of the architects of the crowdfunding “JOBS Act” signed into law by President Obama in April 2012. He has authored or co-authored eight books, including *Local Dollars*, *Local Sense* (2012), *The Small Mart Revolution* (2006), and *Going Local* (1998).



**Circular economy loop**





**Tighter Circular economy loop**





# *Milestone Project*









*Insert new Section R327 in the Residential Code to read as follows:*

**SECTION R327**

**MATERIAL REUSE**

***R327.1 Material Reuse.*** *A new construction, addition, raze, or Level 3 alteration project (“the project”) shall comply with Sections R327.1.1, R327.1.2 and R327.1.3. For purposes of Section R327, nonhazardous waste shall not include lead-painted materials.*

**Exception:**

*Projects where not less than 50 percent of nonhazardous construction waste is diverted from disposal by recycling or salvage of construction materials and waste, by weight or volume. Construction and waste materials shall not include land-clearing debris such as trees, stumps, rocks and vegetation. The Department is authorized to require the owner, contractor or an approved agency to provide verification of the project’s compliance.*

***R327.1.1 Requirements.*** *Reuse a minimum of 5 percent of total nonhazardous building materials by weight, volume or value (based on the materials cost). Reuse includes*

- 1. The application of used building materials, sourced from other projects, vendors, or combination thereof, on the project.***
- 2. Transfer of building materials salvaged on site to an approved building material reuse facility.***
- 3. The use of building materials salvaged on site in construction elsewhere on the project site (as shown on plans) or transferred to a different project***
- 4. Selling or donating building materials salvaged on site for reuse.***
- 5. Other approved methods.***

***R327.1.2 Verification.*** *Documentation shall be made available to the code official at final inspection upon request in the form of weight tickets, tax donation letters, bills of sale, photographs, and/or other approved methods.*

***R327.1.3 Lead-Painted Materials.*** *Painted materials removed from buildings, or portions thereof, constructed prior to 1978 shall not be eligible for reuse or recycling unless tested and verified to be free of lead paint, or tested and tagged in a lasting manner to assure proper handling of lead hazards for all materials transferred off-site. Such tags must indicate possible lead exposure risk and that mandated handling methods must be followed. Tags shall remain in place until materials are sold or processed in compliance with regulations governing lead-based paint promulgated, or as may be promulgated, by DOE or the federal Environmental Protection Agency, including, but not limited to 40 CFR § 745.85 (7-1-12 edition), and in conformance with all pertinent lead abatement requirements in D.C. Official Code § 8-231.01 et seq. (2012 Repl. & 2013 Supp.) and all pertinent implementing regulations, including Chapter 33 of Title 20 DCMR,*



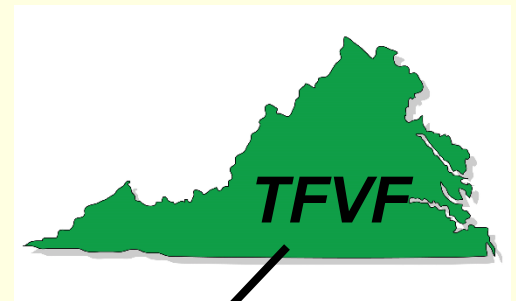
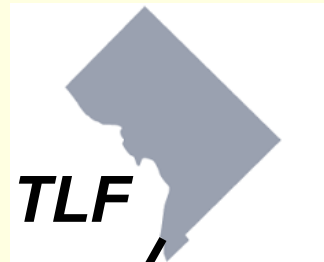


# Alliance for Regional Cooperation



# Initial organization

## *Founding members*



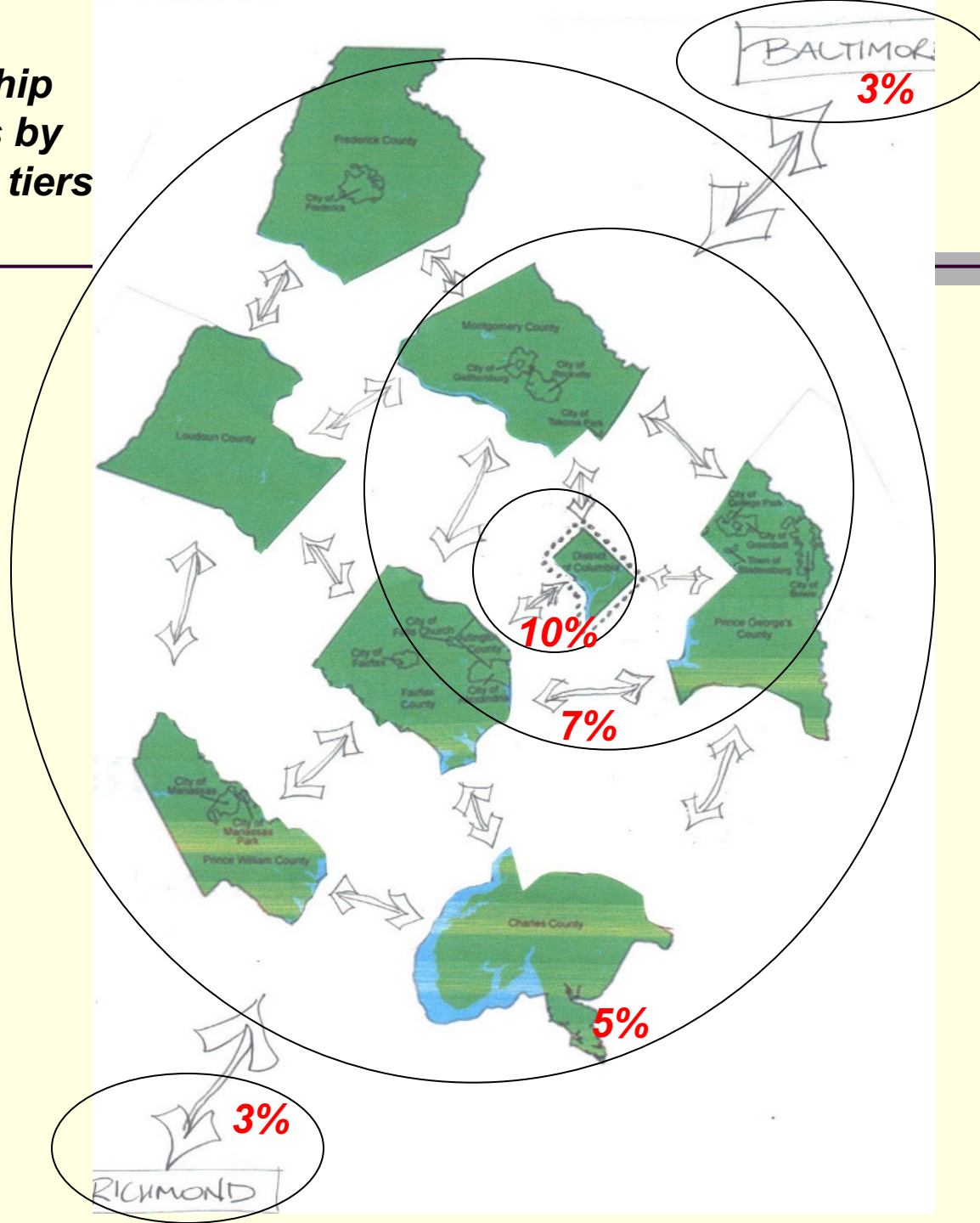
***Alliance for Regional Cooperation – Metro Washington***  
*(Purchasing & Marketing Cooperative / Pollinator)*



***Jim Schulman, AIA  
Project Manager***



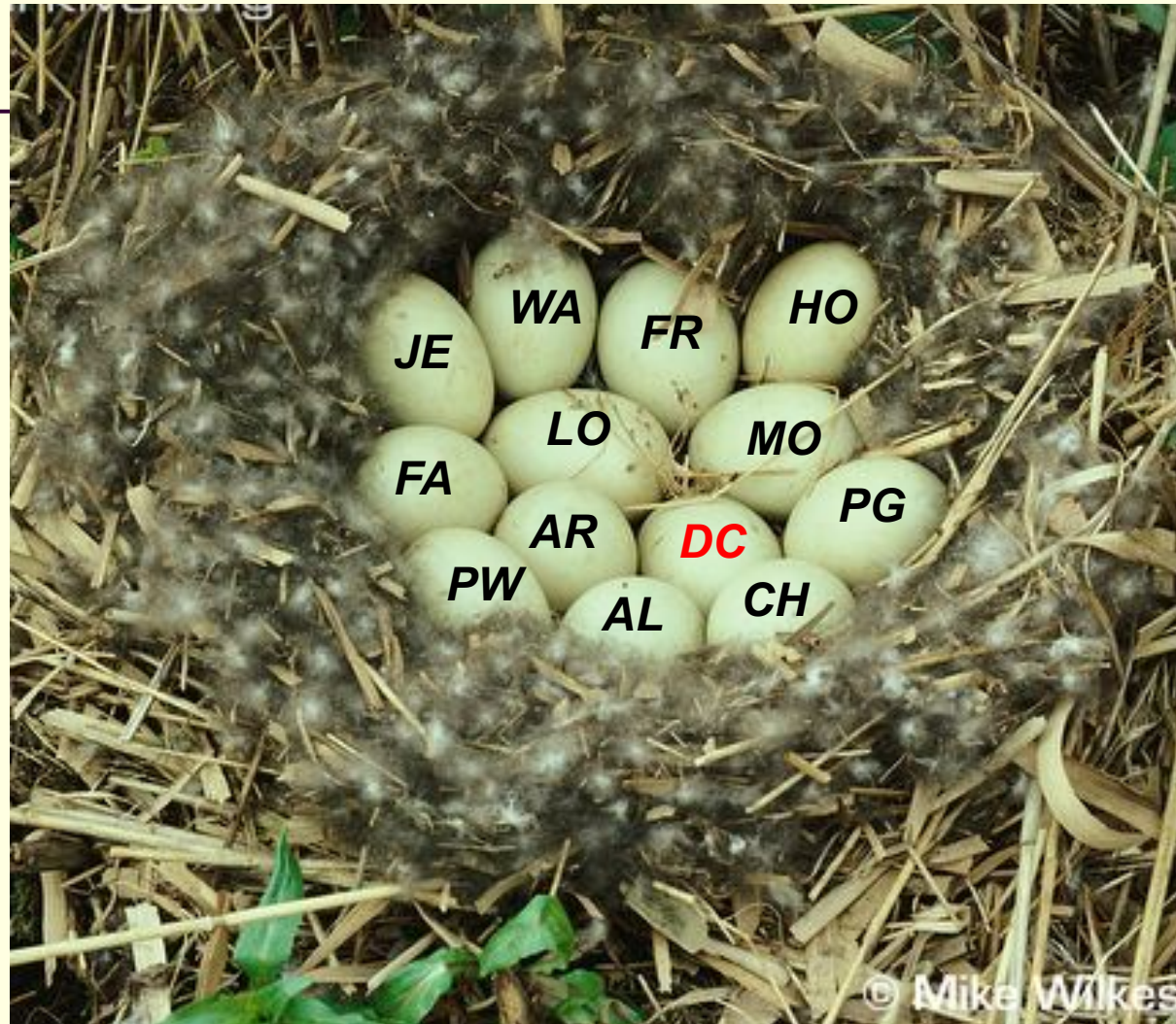
**Potential  
membership  
discounts by  
Proximity tiers**







A Sustainable Region will evolve...& revolve around its core!



*... in nested sets of livable, walkable, communities with fishable & swimmable waters*