



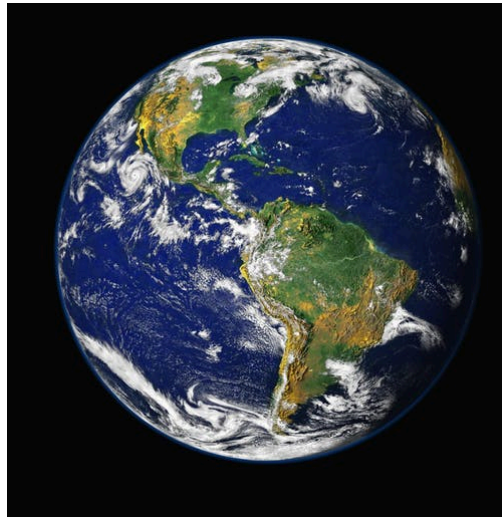
MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# What Does Being Sustainable Mean?

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If you could change one thing in the world – what would it be?

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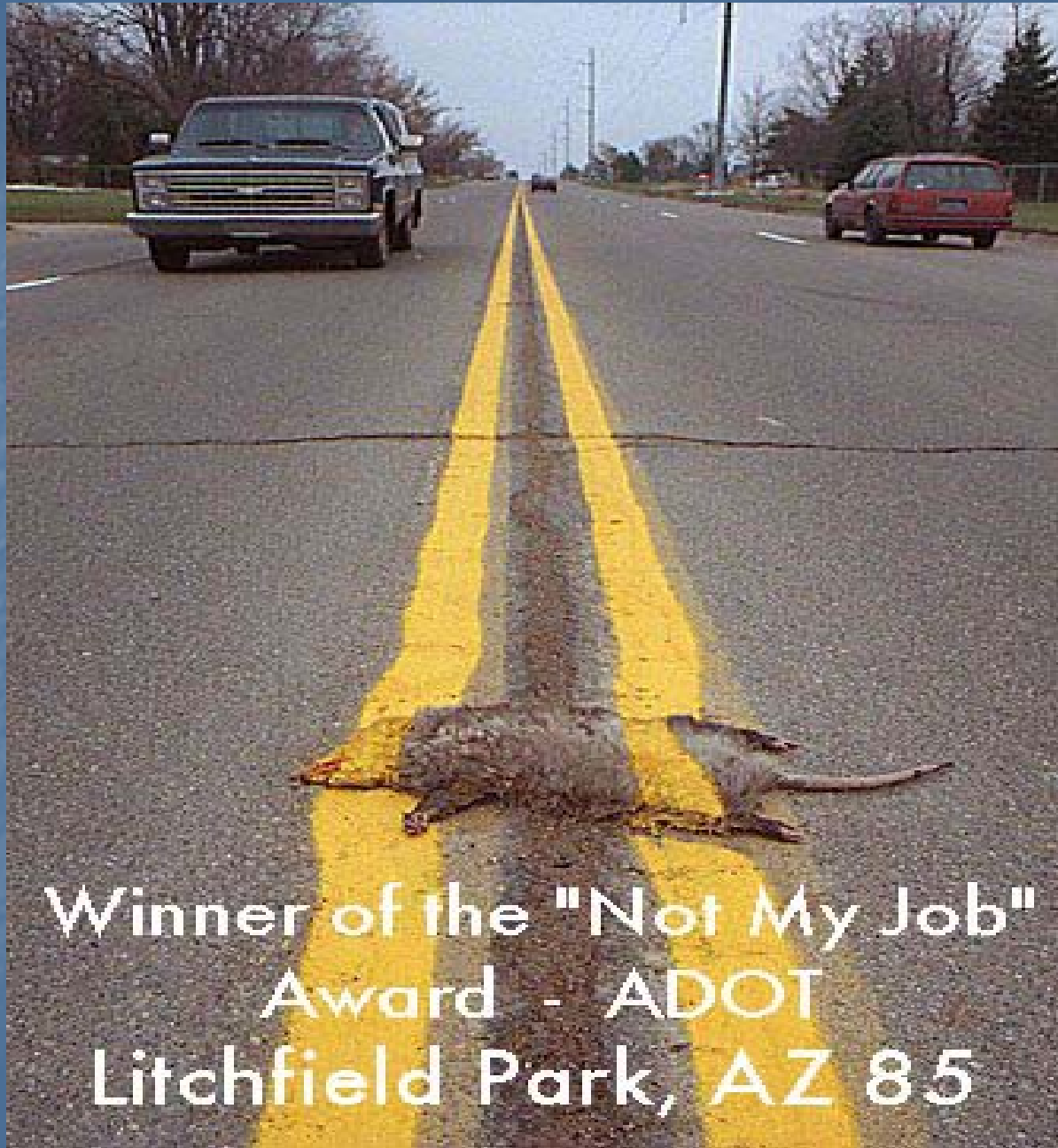
# What does being sustainable mean?

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# Resistance to Change?

- Unaware of true costs associated with current practices
- Potential impact on product quality
- Worker habits
- Skepticism towards new or emerging technologies
- Many facilities are predisposed to control technologies (proper disposal)
- “If it ain’t broke don’t fix it”
- “Not my Job”



Winner of the "Not My Job"  
Award - ADOT  
Litchfield Park, AZ 85

# How Birds See the World!!!

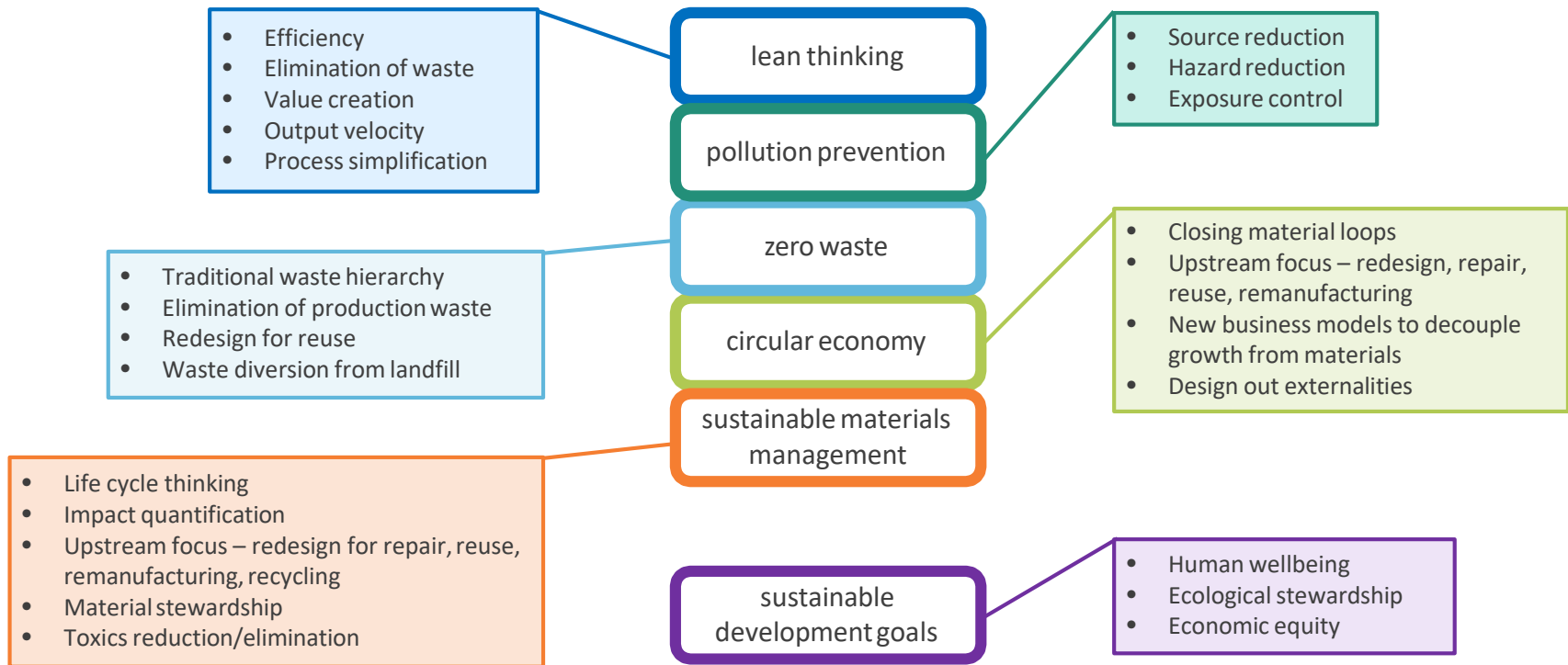


How birds see the world

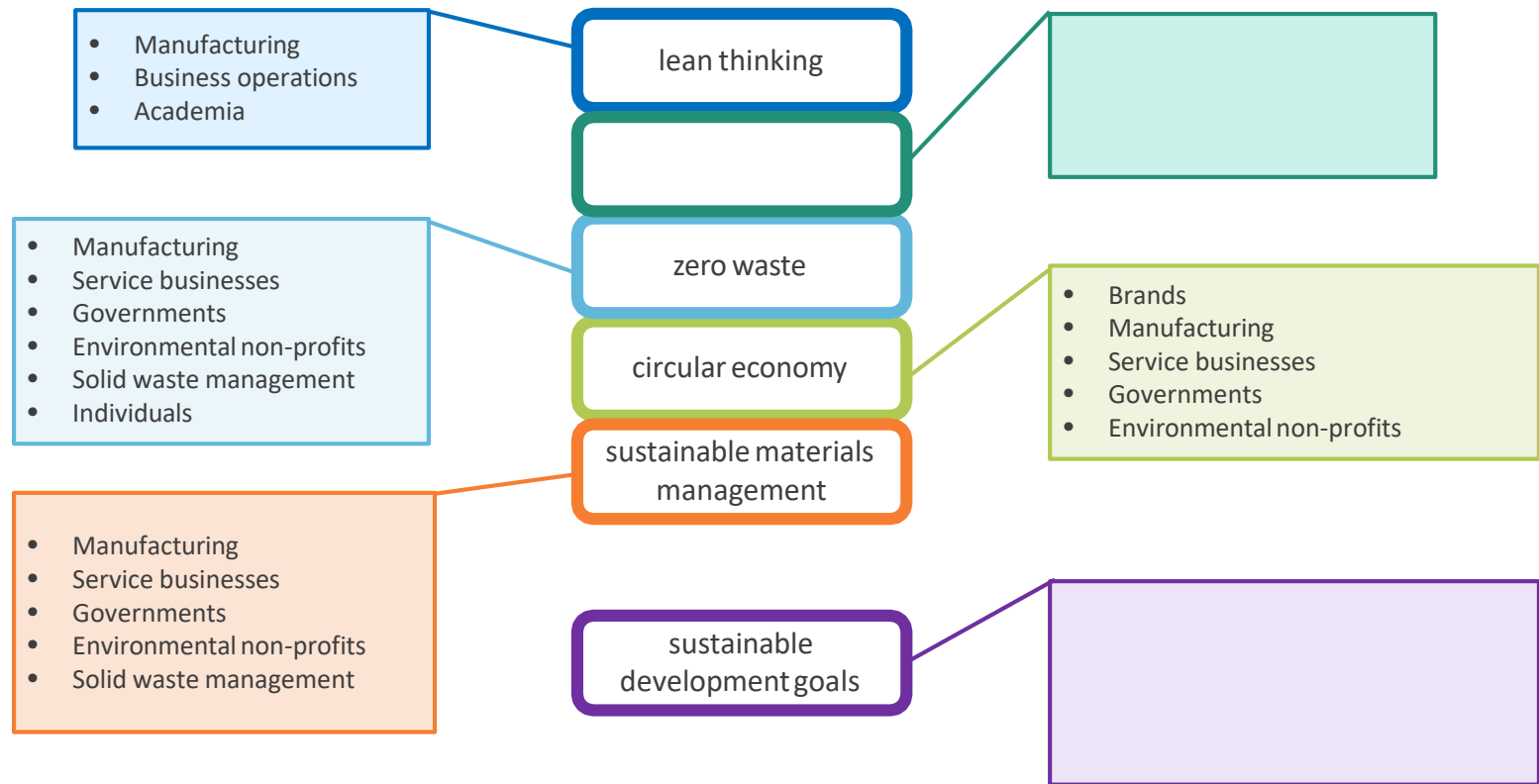
Far Side, Gary Larson

Looking at  
everyday  
activities  
from a different  
perspective!

# The Sustainability Perspective



# Who is Participating?





# Pollution Prevention

- Shifting to focus to Sustainability
- More work with Energy and Recycling
- Using United Nations Sustainable Development Goals as framework for change.
- How can the UN SDGs address the goals of Domicology?

# Sustainability

- As an example lets look at SDG #11



# UN SDG 11

## United Nations Sustainable Development Goal 11 - Make cities and human settlements inclusive, safe, resilient and sustainable

	Target	Indicator
11.1	By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums	Proportion of urban population living in slums, informal settlements or inadequate housing
11.3	By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries	Ratio of land consumption rate to population growth rate Proportion of cities with a direct participation structure of civil society in urban planning and management that operate regularly and democratically
11.A	Support positive economic, social and environmental links between urban, per-urban and rural areas by strengthening national and regional development planning	Proportion of population living in cities that implement urban and regional development plans integrating population projections and resource needs, by size of city
11.C	Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials	Proportion of financial support to the least developed countries that is allocated to the construction and retrofitting of sustainable, resilient and resource-efficient buildings utilizing local materials

# Pollution Prevention

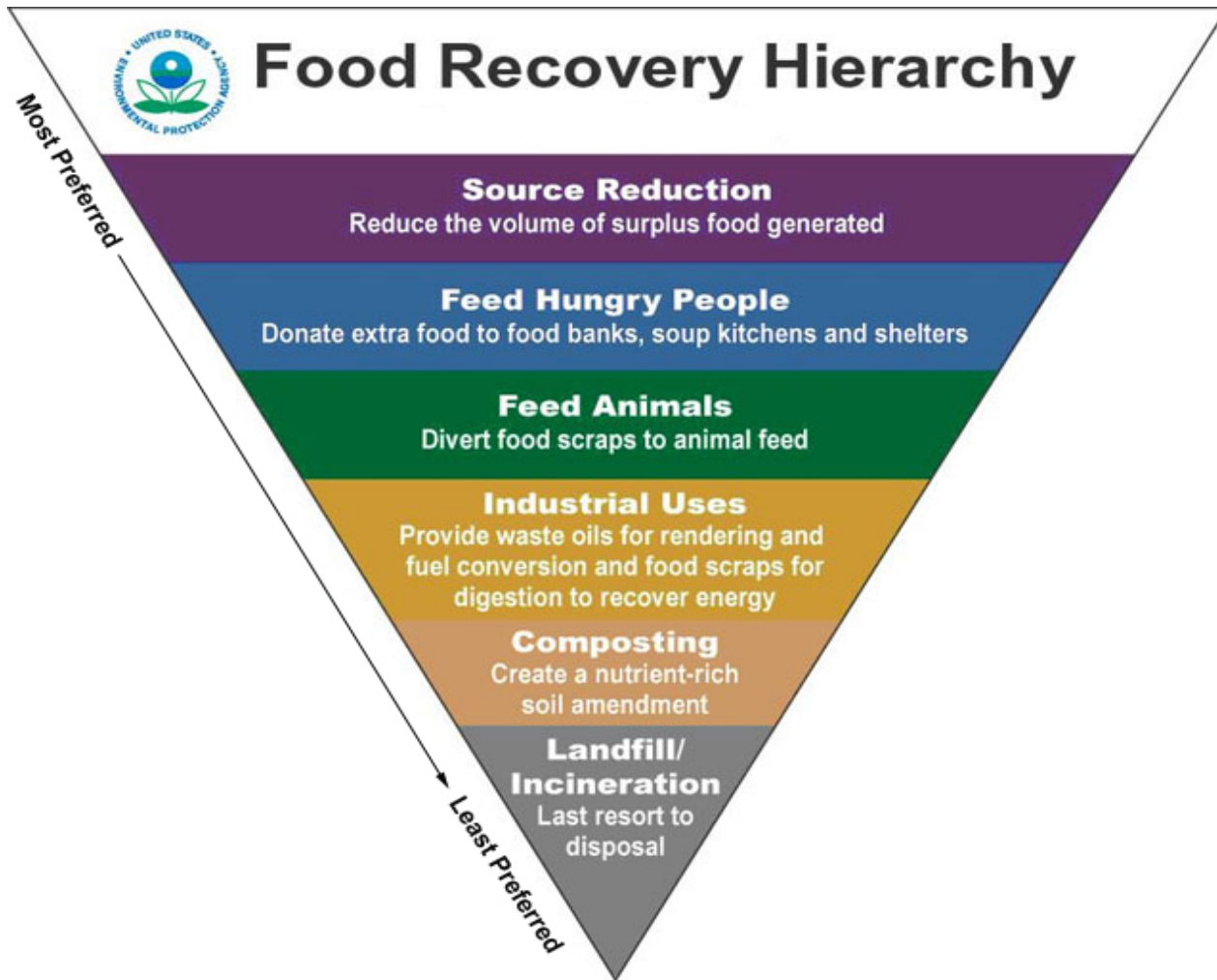
- How could we support this goal?
  - 11.1 – Support urban revitalization efforts?
  - 11.3 – Support equity, potential grants for sustainable planning, support measures to reduce urban sprawl
  - 11.A – Integrate population projections and city size consideration into our funding selections and deliverable requirements, work collaboratively with partner municipalities to develop model plans
  - 11.C – Perhaps domicology could be applied in developing countries/cities as test cases

# Sustainable Materials Management Unit

*Sustainable Materials Management (SMM) is a systematic approach to serving human needs by using/reusing resources most productively and sustainably throughout their life cycles, from the point of resource extraction through material recycling or final disposal. This approach seeks to minimize the amount of materials involved and all the associated environmental impacts, as well as account for economic efficiency and social considerations.*

*The Sustainable Materials Management Unit focuses on SMM as it relates to waste issues, particularly waste utilization. This aligns with the efforts of the United States Environmental Protection Agency's to address waste issues in the framework of SMM. This also fits with Michigan's 2017 Solid Waste Policy, which recognizes solid waste as a resource that should be managed to promote economic vitality, ecological integrity, and improved quality of life in a way that fosters sustainability.*

# Food Waste Management



# Scrap Tires

- Part 169 of NREPA
- Ensuring proper disposal of Michigan scrap tires
- Cleanup of existing illegal piles
- Inspect collection sites, processors, end-users, and generators

