

# **ZER** **WASTE** **ILLINOIS**

**2013 to Now**

**ISTC Advisory  
Board  
Oct 3<sup>rd</sup> 2017**



EXTRACT & PROCESS

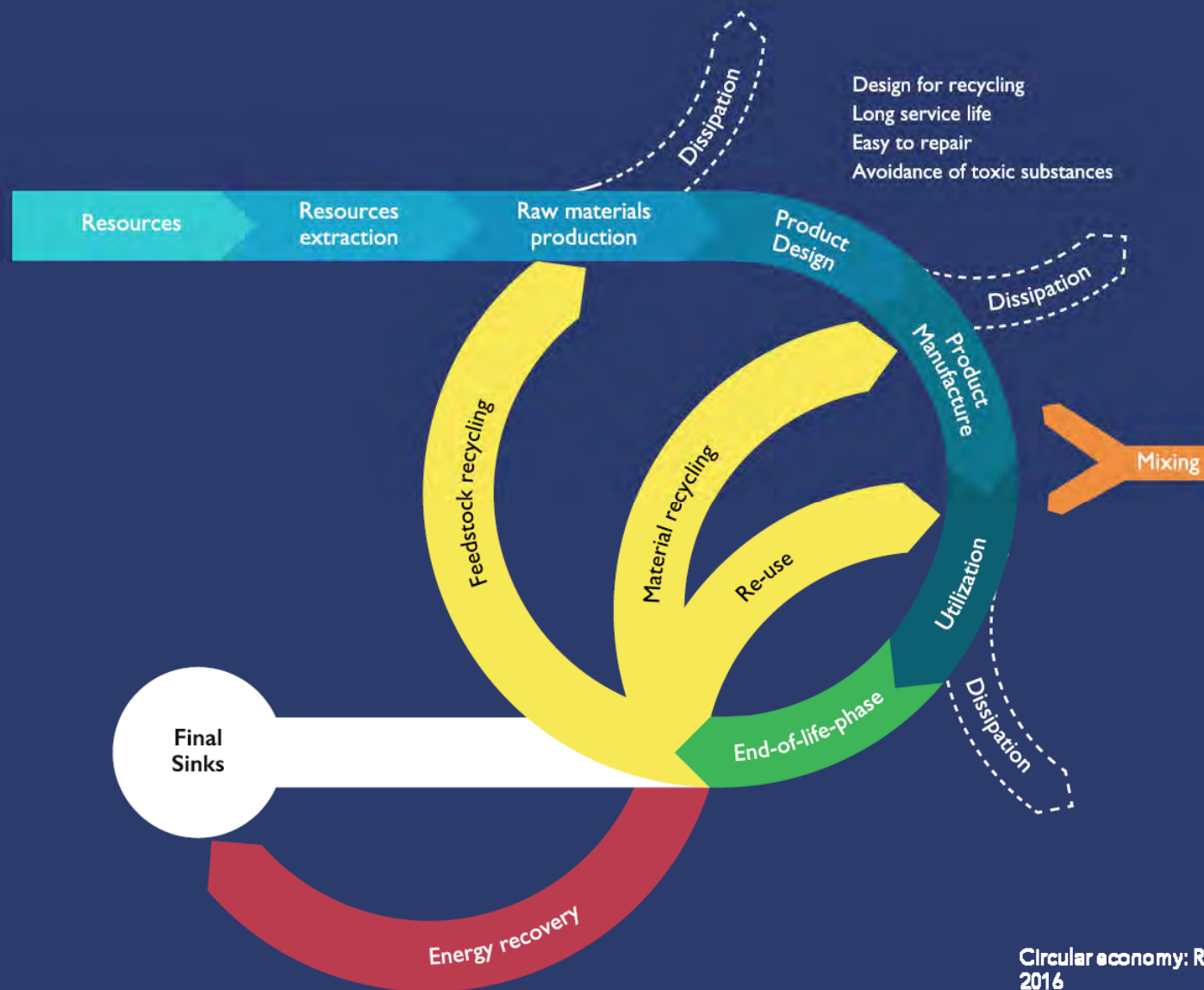
MANUFACTURE

SELL

BUY, OWN & USE

DISPOSE

WASTED RESOURCE



# **ZERO WASTE HIGHLIGHTS**

## **ILLINOIS**

**26,000** pounds  
Material sorted during  
characterization studies

**19**  
Projects with Illinois  
businesses/organizations since  
2013

**350,000** pounds  
Material diverted from landfill by  
Zero Waste Program

**50**  
Organizational partnerships formed  
in materials management

**3**  
Dedicated new routes of recycling  
created

**\$21,300**  
Average contract amount

Material  
management  
modification  
through policy

Material  
management  
modification  
through data

Material  
management  
modification  
through  
technology

Material  
management  
modification  
through  
engagement

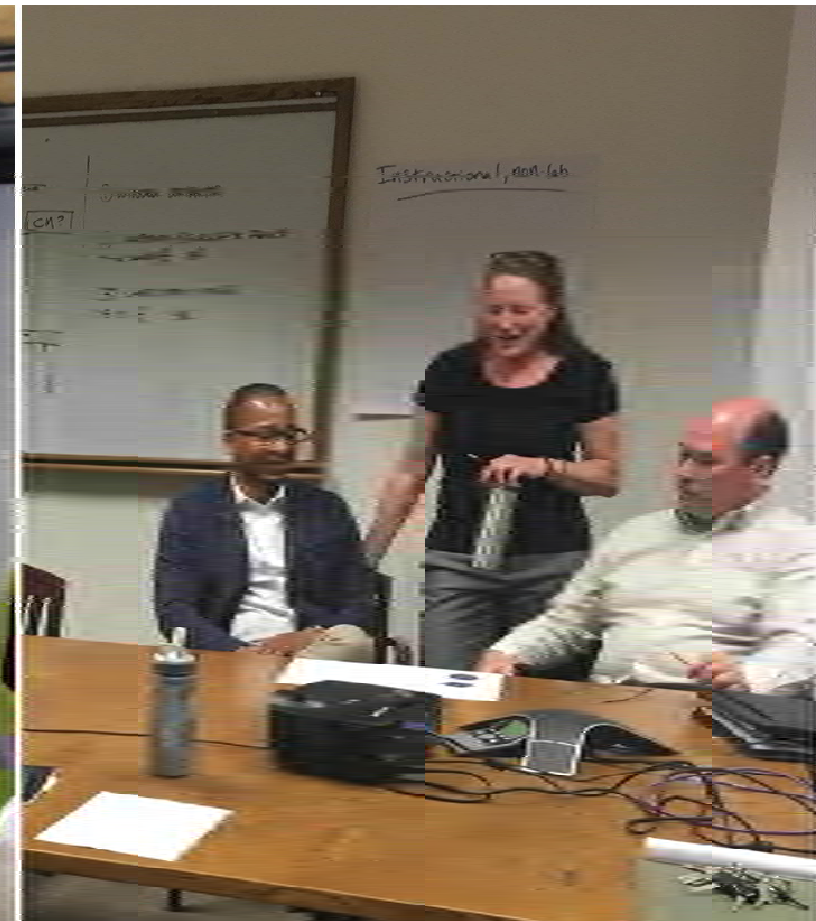


Illinois Sustainable Technology Center

PRAIRIE RESEARCH INSTITUTE

Northwestern  
University

## Waste Characterization Study to Comprehensive Plan Creation



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## Waste Characterization Study to Implementation Assistance

Argonne  
National  
Laboratory



# ORGANICS COLLECTION IMPLEMENTATION PLAN

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PRAIRIE RESEARCH INSTITUTE

Argonne  
NATIONAL LABORATORY

**I ILLINOIS**

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# Awareness of Circular Economy

**52%**

I could easily define this term and provide examples

**38%**

I think I know what this term means, but I'm not entirely certain of what it encompasses



**5%**

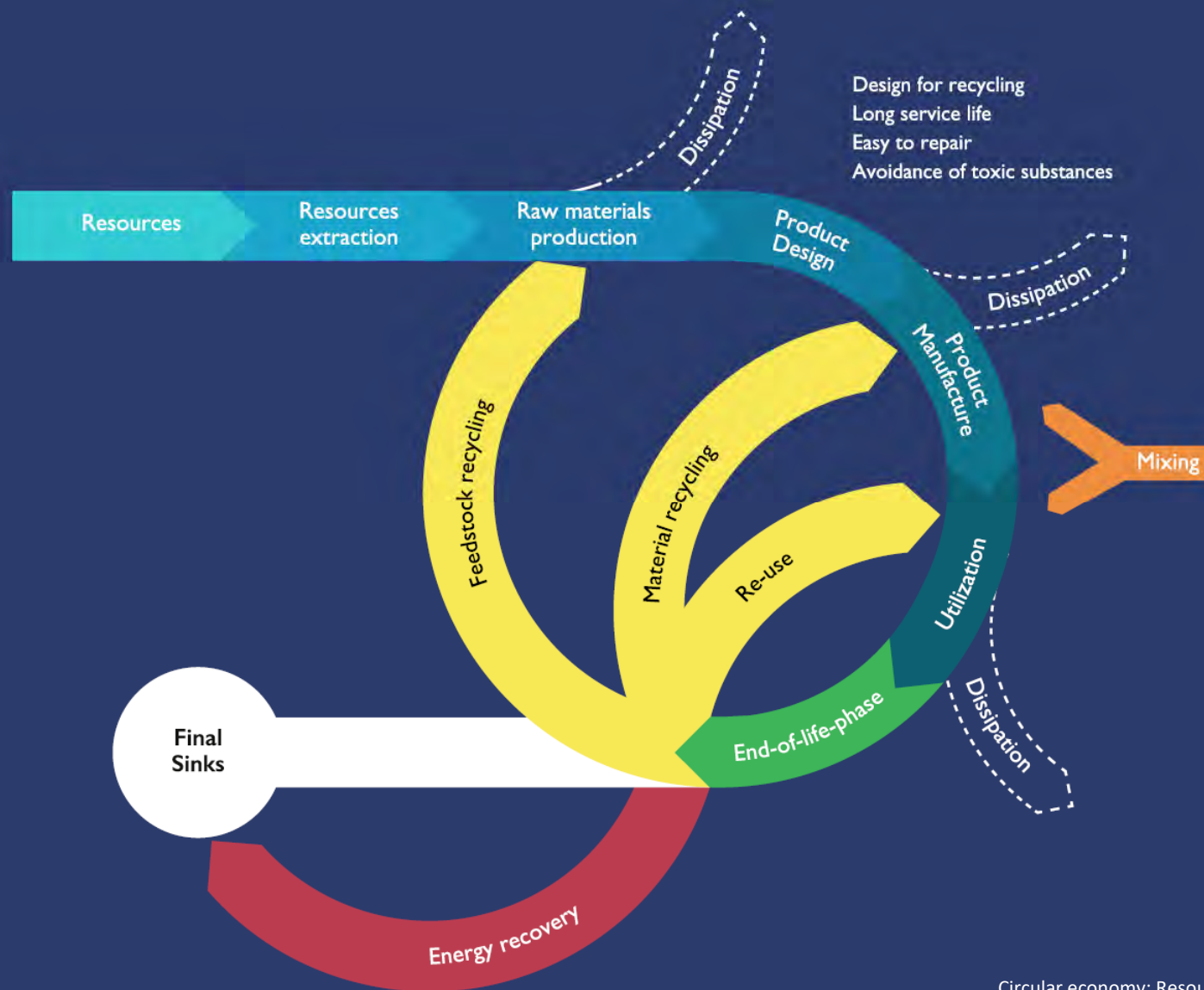
I've heard the term before, but I don't know what it means

**5%**

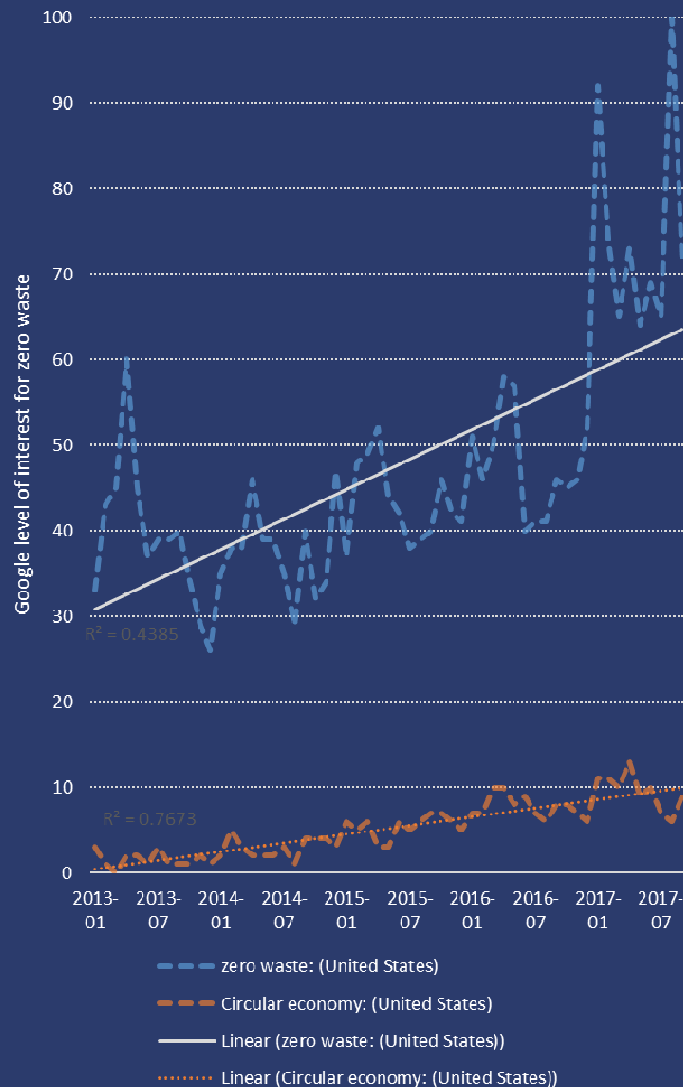
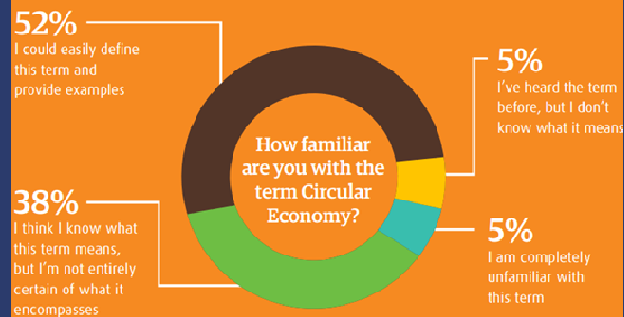
I am completely unfamiliar with this term

The Growth of the Circular Economy | GreenBz UPS Study | 423 Respondents | 14 Sectors | 85% based in US |





## Awareness of Circular Economy



Google Analytics for Sep US 2013 to 2017

## Barriers for Adoption of Circular Economy

38%

Insufficient Business case

36%

Cost to reclaim used goods

36 %

Lack of Understanding / education

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## Scrap Ban China

- Chinese Government motivation is environmental protection and concerns over standards within
- U.S. to China export of scrap is a \$5.2 Billion industry
- 24% of U.S. was sent to China in 2015
- Business opportunity for Illinois processors
- Resiliency concerns for municipalities and haulers

## ISRI Issues WTO Response to China's Scrap Ban on Behalf of Recycling Industry

(Washington, DC) - The Institute of Scrap Recycling Industries (ISRI) today announced it filed comments with the World Trade Organization (WTO) in response to China's intent to ban certain scrap imports. As the *Voice of the Recycling Industry*™, ISRI supports free and fair trade and opposes measures that restrict the free flow of specification-grade commodities around the world. In an effort to prevent imported waste from polluting the environment, China's ban on "solid waste" will have a negative economic impact on the recycling industries in the United States and China, the manufacturing sector in China that relies on these highly valuable commodities, and the environmental sustainability opportunities from the use of recyclable materials in China. ISRI is requesting a revision of the policy to avoid a disruption in trade as well as clarification of the ban's scope.

## Two dozen types of scrap imports banned by China in 2018

Mid-August document prohibits postconsumer plastic and one type of unsorted paper; industrially generated plastic scrap remains permissible.

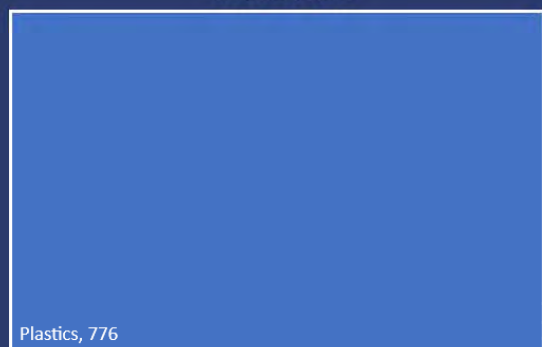
August 18, 2017

Recycling Today Staff

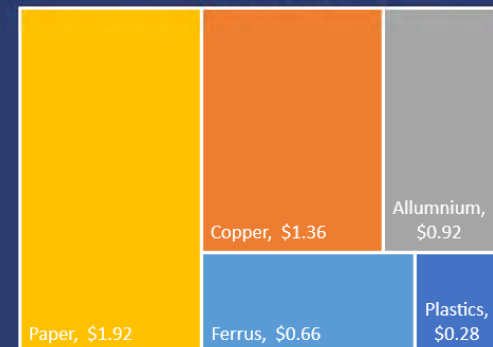
## What does the ban cover?

- eight types of postconsumer plastic scrap
- one type of unsorted scrap paper
- 11 types of used or scrap textile materials
- four types of metal slag that contain vanadium

US exported recycling tonnage to China  
million tons  
Source: ISRI



Exported value from material to China  
Billion \$  
Source: ISRI



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