

Harmonizing Technological Innovation and End-of-Life Strategy

Rachel Dzombak

University of California, Berkeley
Civil & Environmental Engineering:
Energy, Civil Infrastructure & Climate



sustainability



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Environmental



Logo



Business



Icon



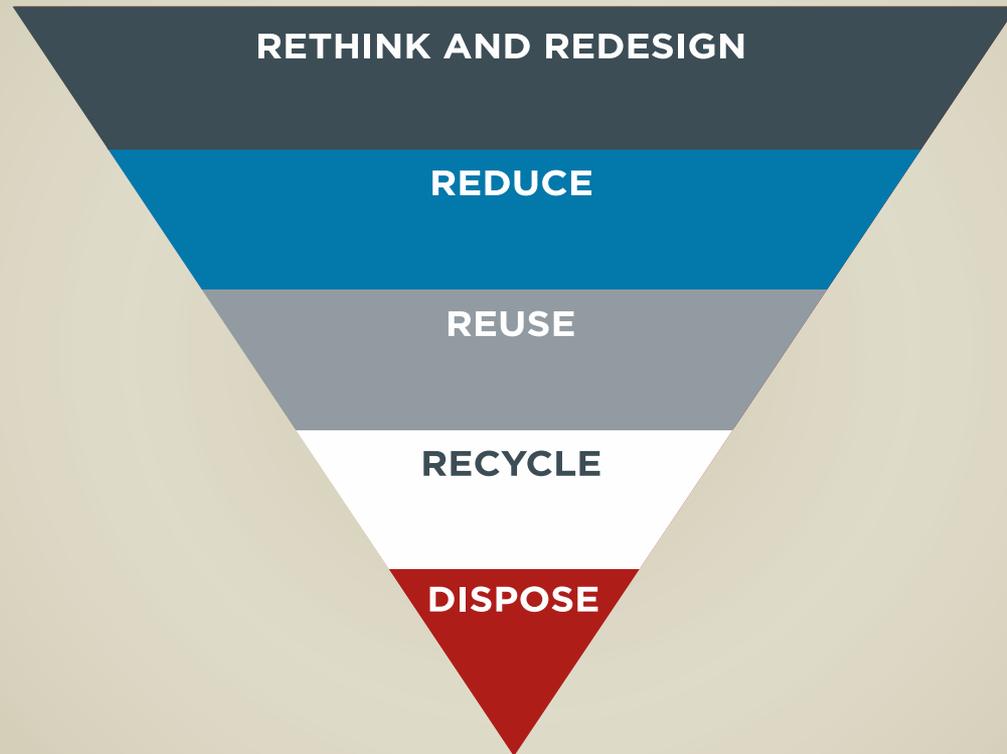
Sustainable Strategies

USE



LESS

HIERARCHY OF WASTE



Developing Circularity

LINEAR ECONOMY

TAKE > MAKE > DISPOSE



WASTE

TECHNICAL & BIOLOGICAL
NUTRIENTS ALL MIXED UP

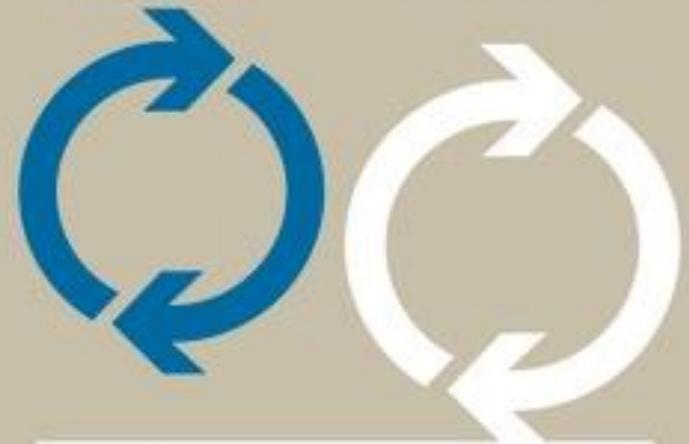


SOMETHING USEFUL

CIRCULAR ECONOMY

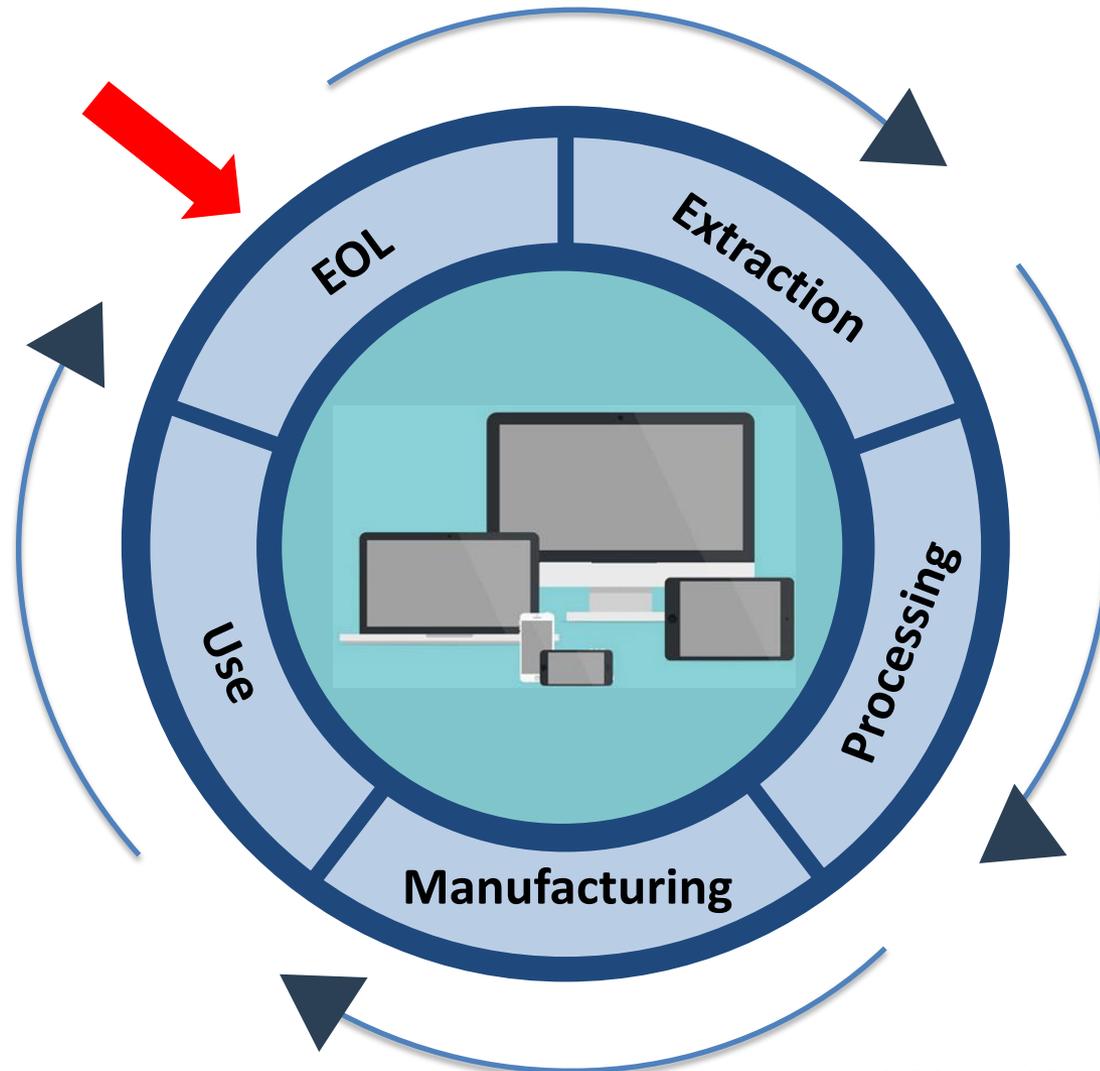
TECHNICAL
NUTRIENTS

BIOLOGICAL
NUTRIENTS

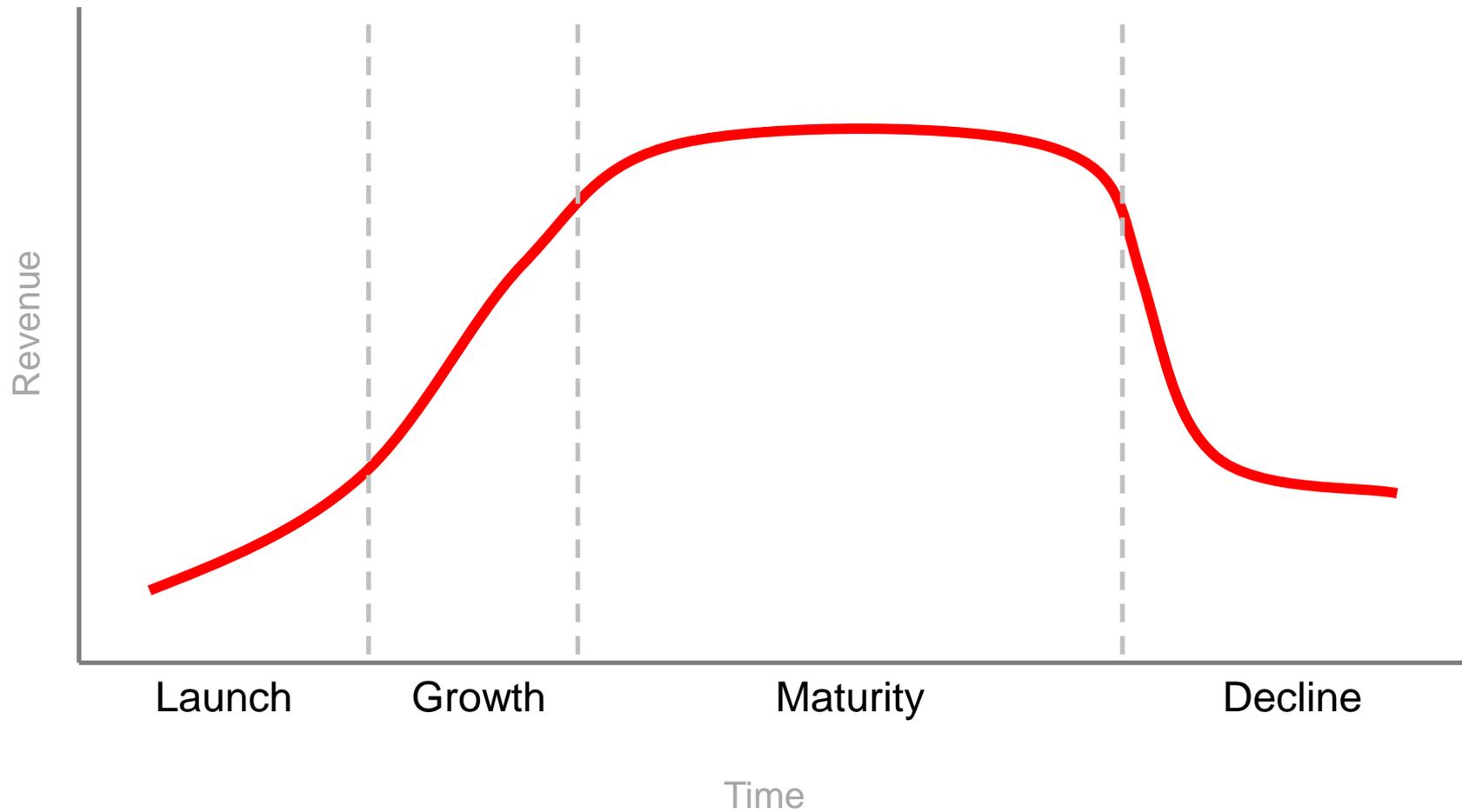


LIVING SYSTEMS

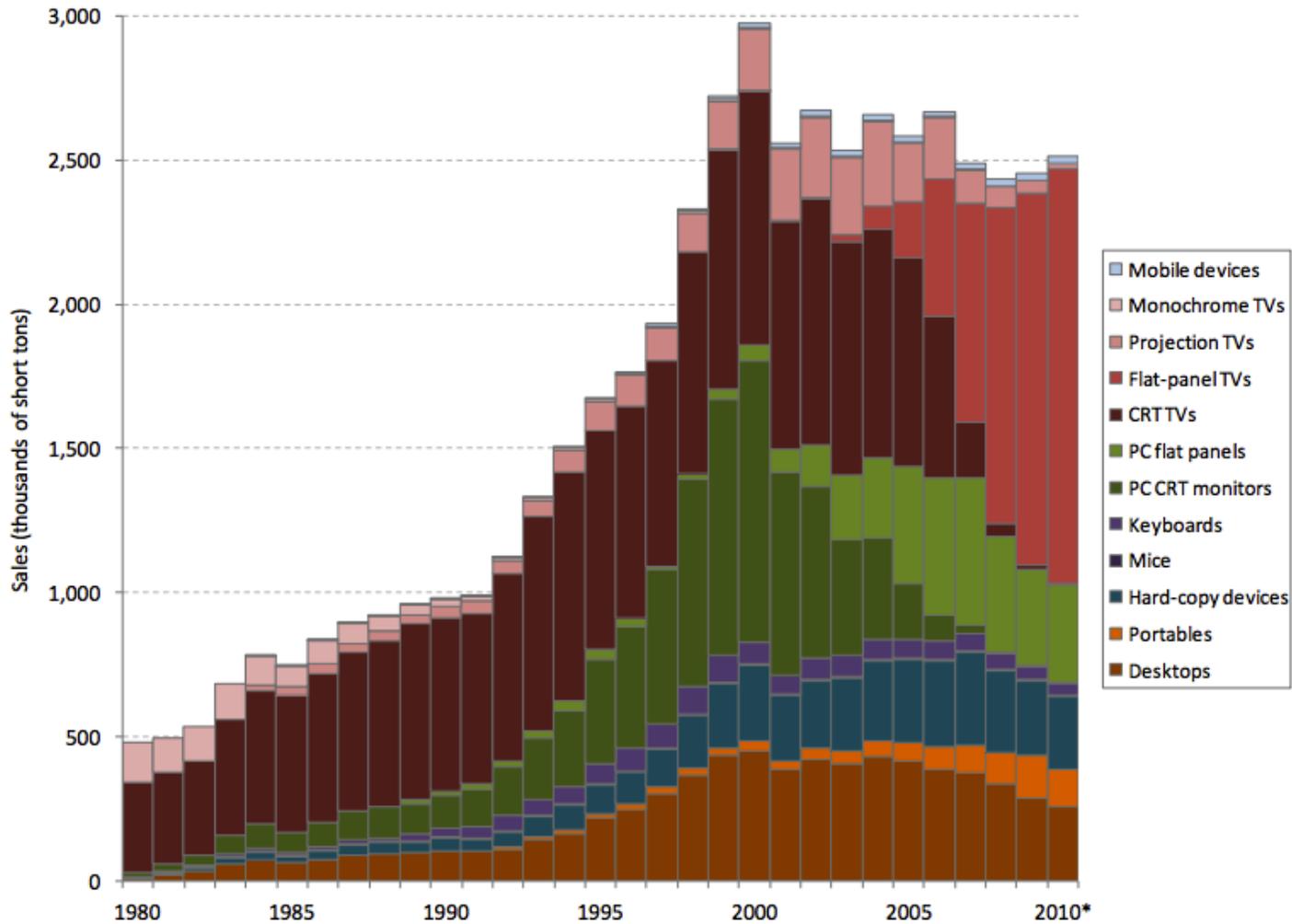
End-of-life management can lead to material recovery, preserve embodied energy, and create closed-loop systems



Product Life



Technology Pulse



Estimated U.S. consumer electronic sales 1980 to 2010 - US EPA 2012



LED Market Growth

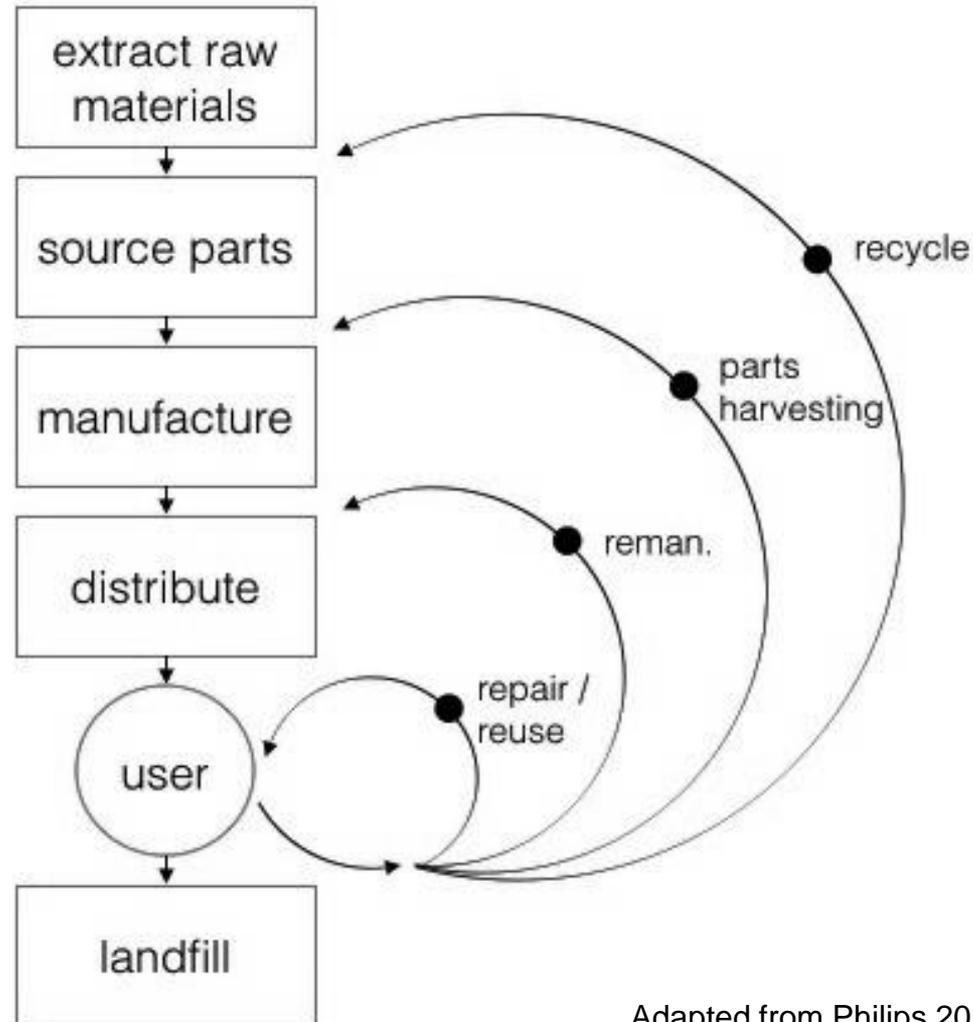
By 2025, LEDs will produce at least half of the electric light in the US and even more globally.

(DOE 2014)

50%



My goal is to understand products' end-of-life fate and how end-of-life decisions are made.



Adapted from Philips 2015 &
Ellen MacArthur Foundation 2012

Circularity Enablers



Design



Logistics



Business Models



Policy



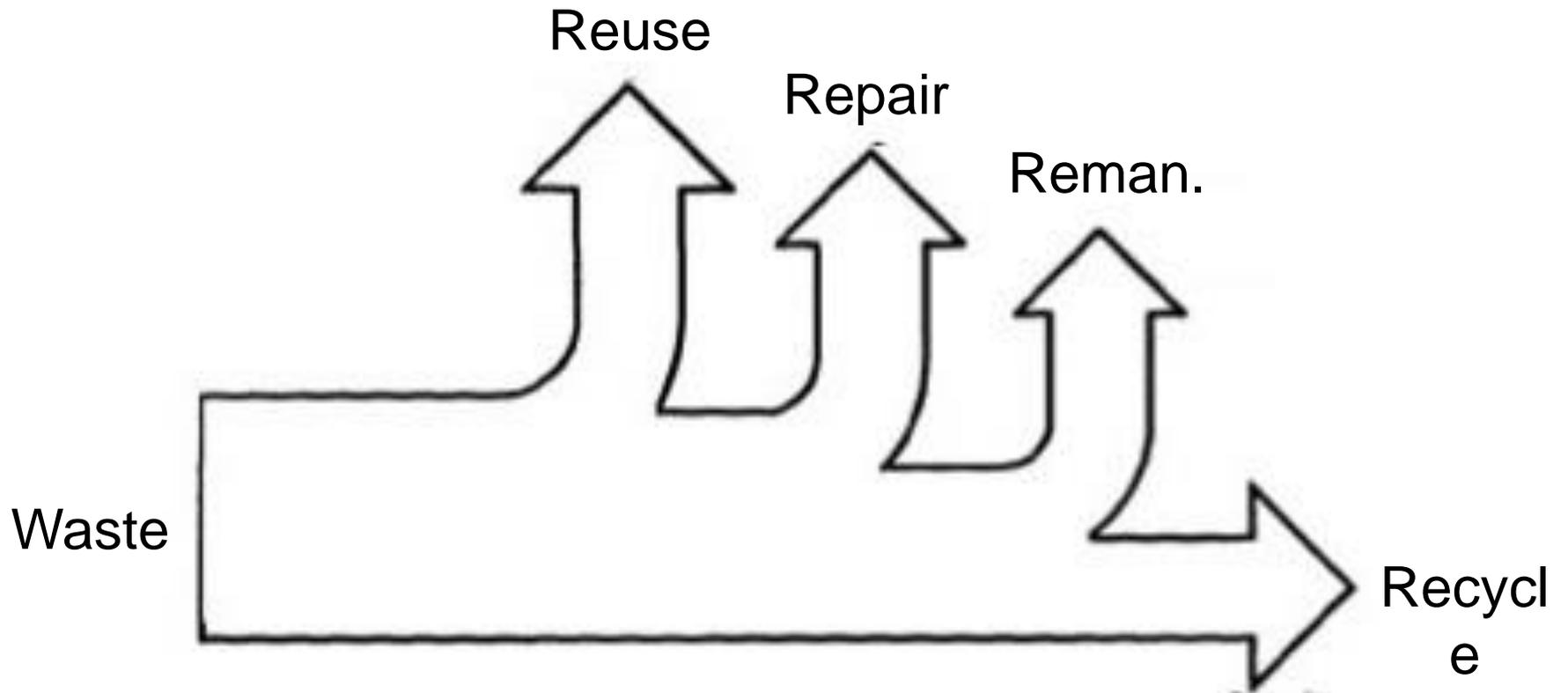
People



Why this matters



EOL Portfolio



Continue the Conversation

Rachel Dzombak

dzombak@berkeley.edu