Sharing, repairing & re-using

Ways to boost circularity in how products & equipment are used

Usage

Tom Snow, design**Context**

tom.snow@designContext.org

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Ways to boost circularity in how products & equipment are used

SHARING
Collaborative Production

USAGE MODELS
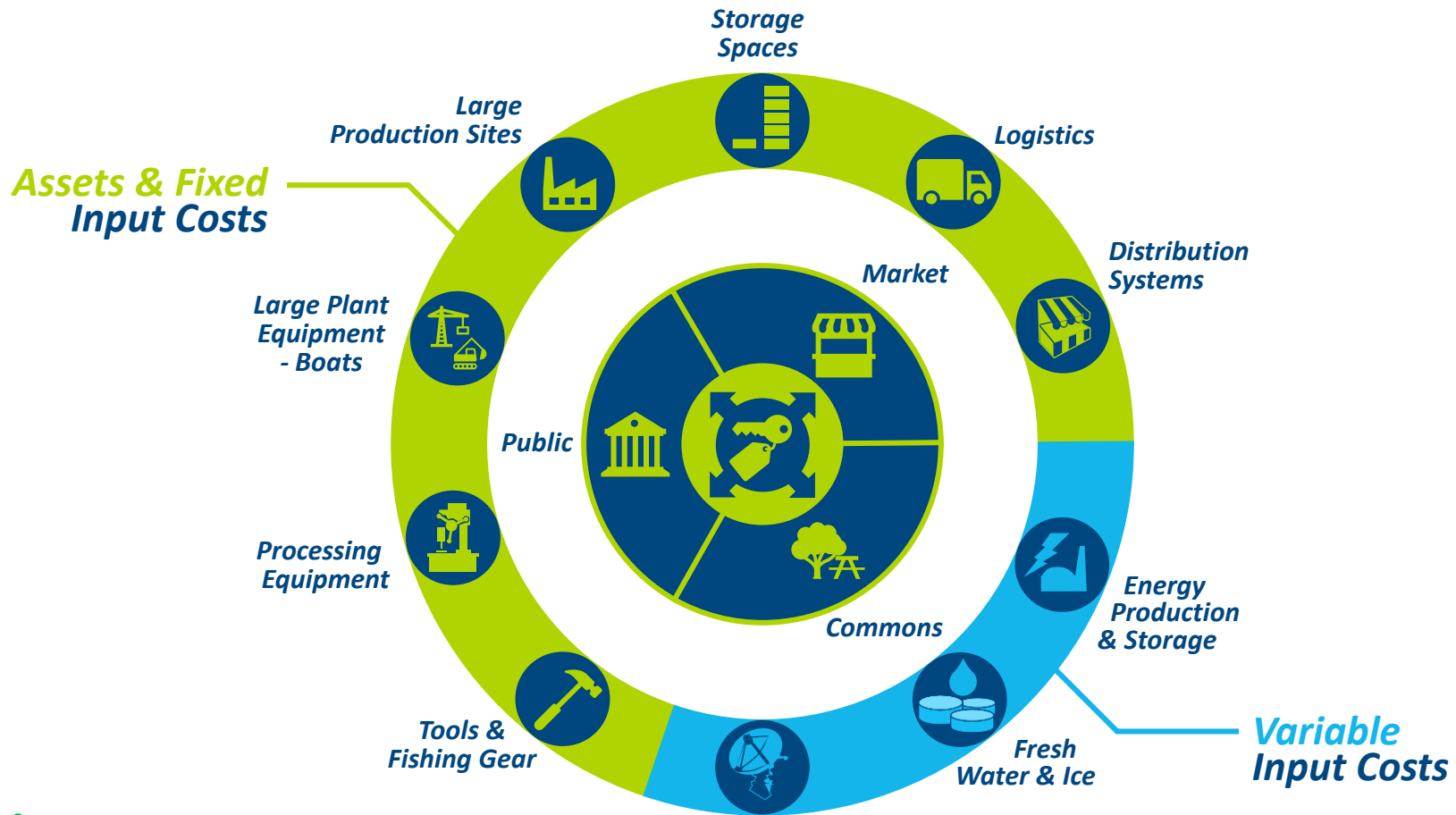*(Product Service Systems)*

REPAIRING
(Product-Life-Extension)

RE-USING
(Redistribution)

SHARING
(Collaborative Production)

Assets & Fixed Input Costs

- Storage Spaces
- Large Production Sites
- Logistics
- Distribution Systems
- Large Plant Equipment - Boats
- Market
- Public
- Commons
- Processing Equipment
- Energy Production & Storage
- Tools & Fishing Gear
- Fresh Water & Ice
- Communications & Knowledge

Variable Input Costs

+ Reduce Idle or Duplicated Capacity

+ Higher efficiency of use = lower amount of total resources

+ Sharing risk, sharing learni[ng], higher quality equipment, economies of scale

Lowering Input Costs

SHARING
(Collaborative Production)

Distribution Systems — Pooling distribution of fish from landing sites to auction

Large Plant Equipment - Boats — Sharing of a dredge by different fishing organisations, Estonia

Processing Equipment — Sharing ice machine

Storage Spaces — **Sharing storage & processing space: Kuusamo Fish House,** Finland

Joint Production — GreenWave **Collaborative seaweed production**

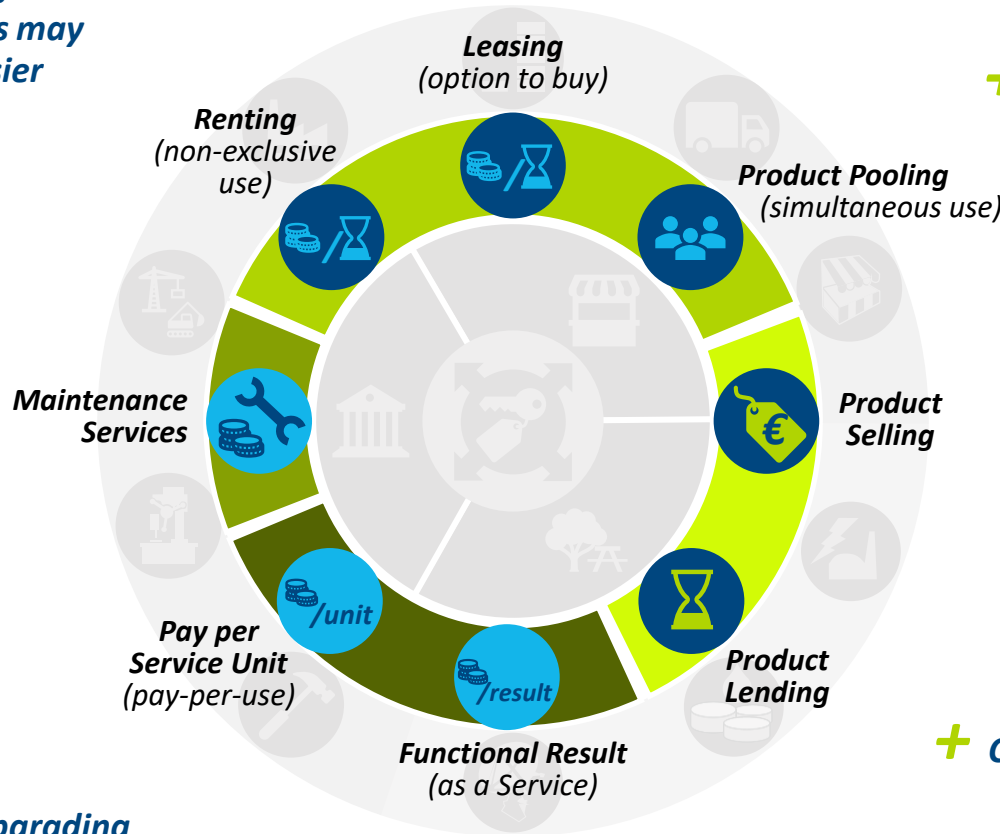# USAGE MODELS
(A System of Products & Services)

+ Greater Producer Responsibility

+ Collection of end-of-use products may be much easier

+ More Sociable

+ Professional Care of Products during life-time

+ Most Common & Simple

+ Potential Economies of Scale

+ Cheaper - or free

+ Easier upgrading to more eco-efficient technologies

+ Potentially lower stock of total products required

Leasing (option to buy)

Renting (non-exclusive use)

Product Pooling (simultaneous use)

Maintenance Services

Product Selling

Pay per Service Unit (pay-per-use)

Product Lending

Functional Result (as a Service)

/unit

/result

farnet
fisheries areas network

USAGE MODELS
(Product-Service-Systems)

Product Lending

Product Pooling
(simultaneous use)

Leasing
(option to buy)

Renting
(non-exclusive use)

Maintenance Services

Pay per Service Unit
(pay-per-use)
/unit

Functional Result
(as a Service)
/result

Wooden Pallets

Plastic Pallets

micanti
ANTIFOULING REINVENTED

KEELCRAB

MECATEC

Finsulate®
Keeps fouling at a distance

"Cold Fish euro/kilo"

"Anti-fouling as a Service"

EDINBURGH TOOL LIBRARY

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REPAIRING
(Product-Life-Extension)

Collection & Transportation

Refurbishment & Retrofitting

Storage

Sorting

Maintenance & Repair

Remanufacture
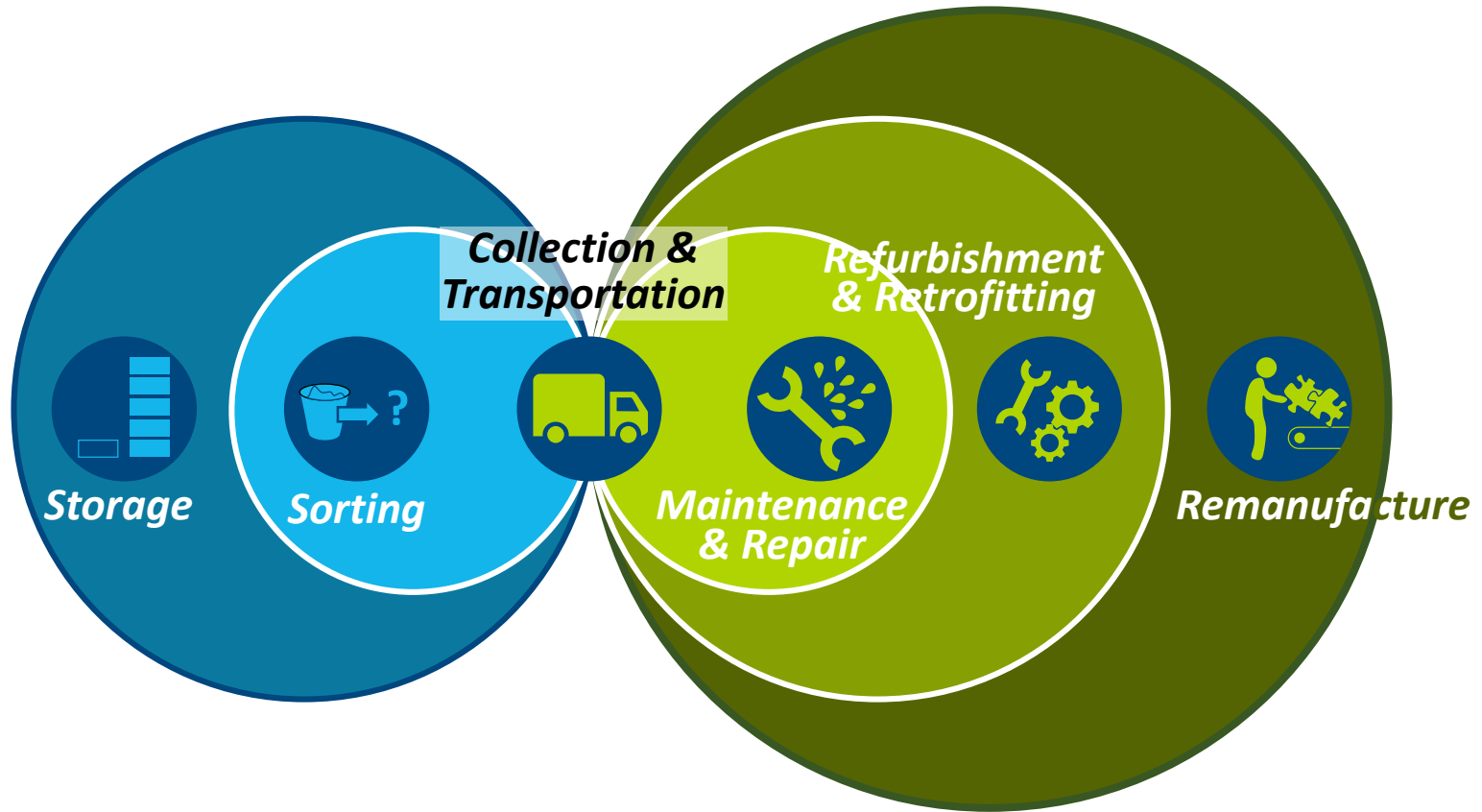
Reducing Waste

Maintaining Assets Longer

Lowering Input Costs & Reduce Virgin Material Use

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REPAIRING
(Product-Life-Extension)

Maintenance & Repair — Project for the out of work to clean and mend oyster pouches – Marennes Oleron

Maintenance & Repair — Repairing plastic drums/floats to extend their life – South FLAG, Ireland

Maintenance & Repair — Social enterprise to mend plastic fish crates – Mariña Ortegal FLAG, Spain

Maintenance & Repair — Fishing net repair, Spanish Networker Association, Var FLAG, France

Maintenance & Repair — Tool mending training, Ulysses FLAG, Italy

Refurbishment & Retrofit — Improving boat engines to reduce fuel consumption – Malaga FLAG, Spain
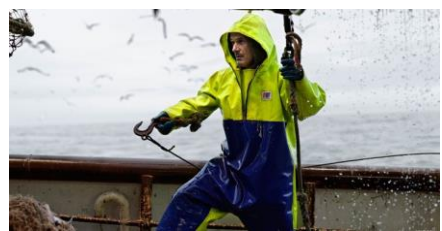
Remanufacture

IFIXIT

REUSING
(Redistribution)

Surplus Food nourishes communities

- 2nd hand market for fishing overalls
- Use of old fishing gear for Young fishermen or fishermen in developing countries

Repurpose (see more in Recycling)

Tom Snow, design**Context**
Circular Economy, Systemic Designer
tom.snow@designcontext.org
saint-jean-de-luz

European Commission