



Supporting Sustainable Development

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How Technology Supports Sustainable Development

<http://www.cisco.com/c/en/us/solutions/industries/smart-connected-communities.html>

Scroll down and click on “See the transformation” on the right-hand side

Complementary Missions and Agendas

- **World Trade Organization**
 - Information Technology Agreement
 - General Agreement on Trade in Services
 - Trade Facilitation Agreement
 - Environmental Goods Agreement
- **Basel, Rotterdam, Stockholm Conventions**
 - BC: Technical Guidelines on Used Equipment and e-Waste
- **UN Conference on Trade and Development**
 - e-Commerce / Digital Economy
 - Circular Economy



PRINCIPLE

1

Preserve and enhance natural capital by controlling finite stocks and balancing renewable resource flows
 ReSOLVE levers: regenerate, virtualise, exchange



Regenerate Substitute materials Virtualise Restore

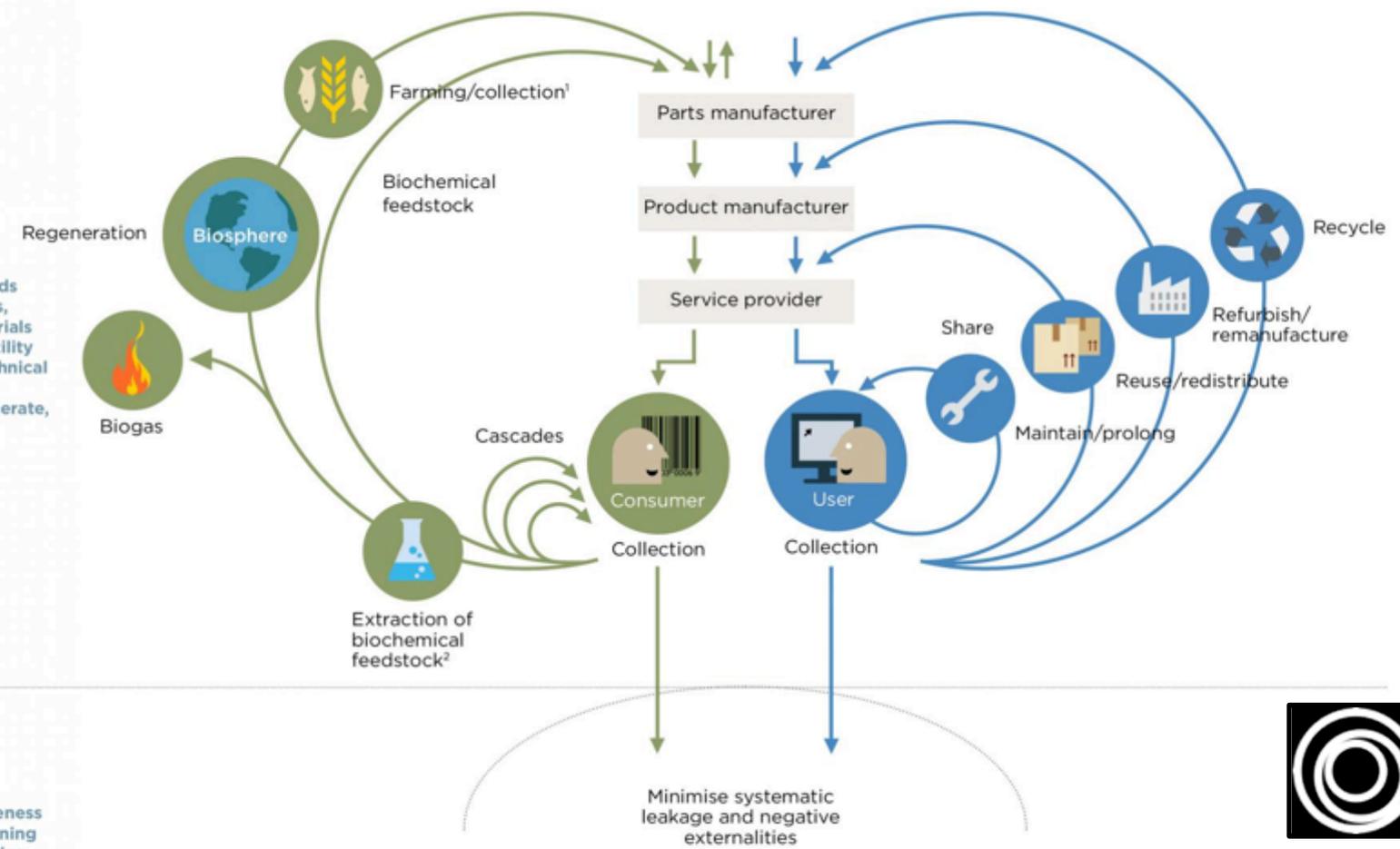
Renewables flow management

Stock management

PRINCIPLE

2

Optimise resource yields by circulating products, components and materials in use at the highest utility at all times in both technical and biological cycles
 ReSOLVE levers: regenerate, share, optimise, loop



PRINCIPLE

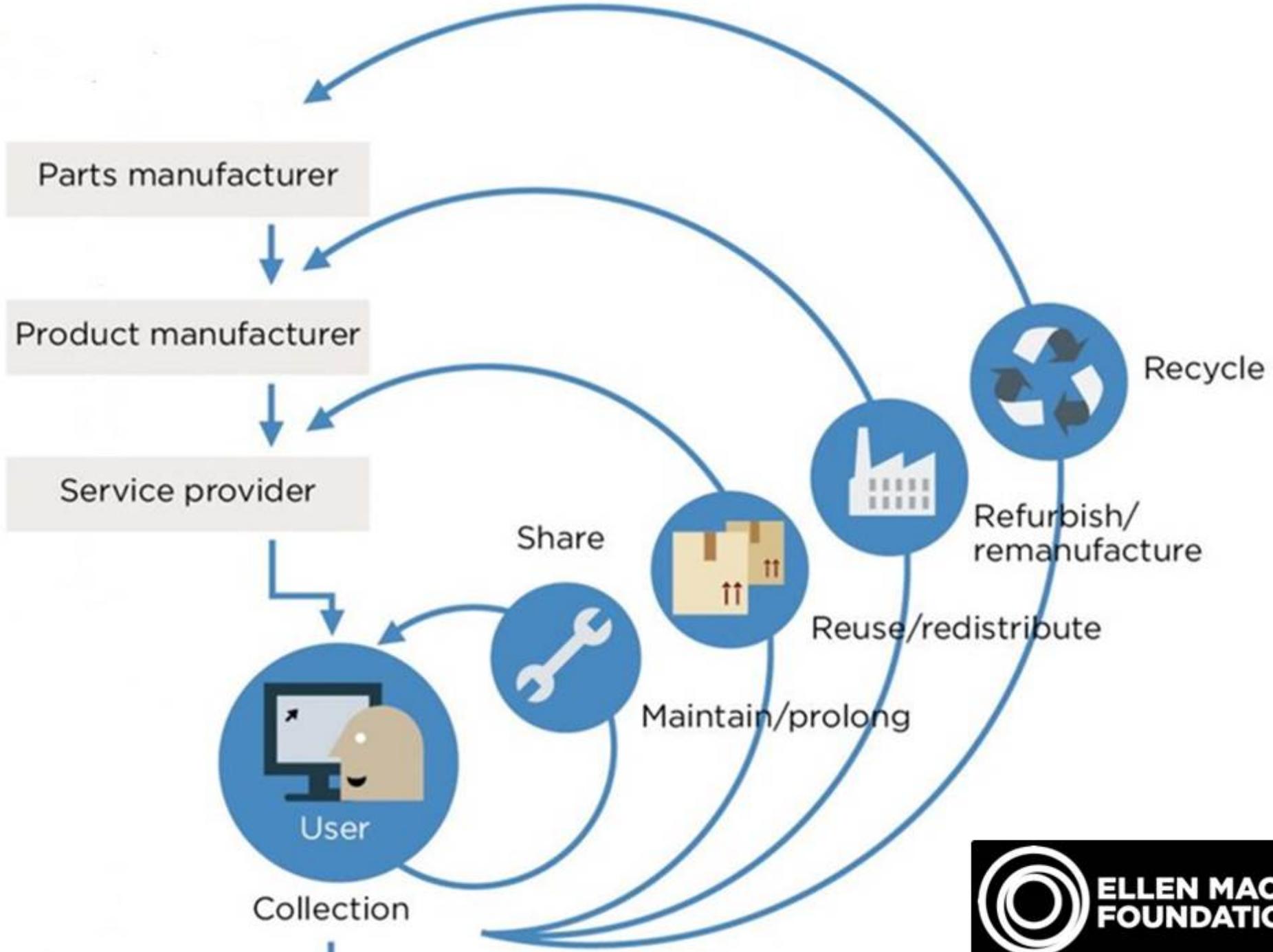
3

Foster system effectiveness by revealing and designing out negative externalities
 All ReSOLVE levers



1. Hunting and fishing
 2. Can take both post-harvest and post-consumer waste as an input

Source: Ellen MacArthur Foundation, SUN, and McKinsey Center for Business and Environment; Drawing from Braungart & McDonough, Cradle to Cradle (C2C).





Recovery and transport of used equipment to Repair Sites

Products for Repair

Illegal shipment of waste electronics

Repair sites

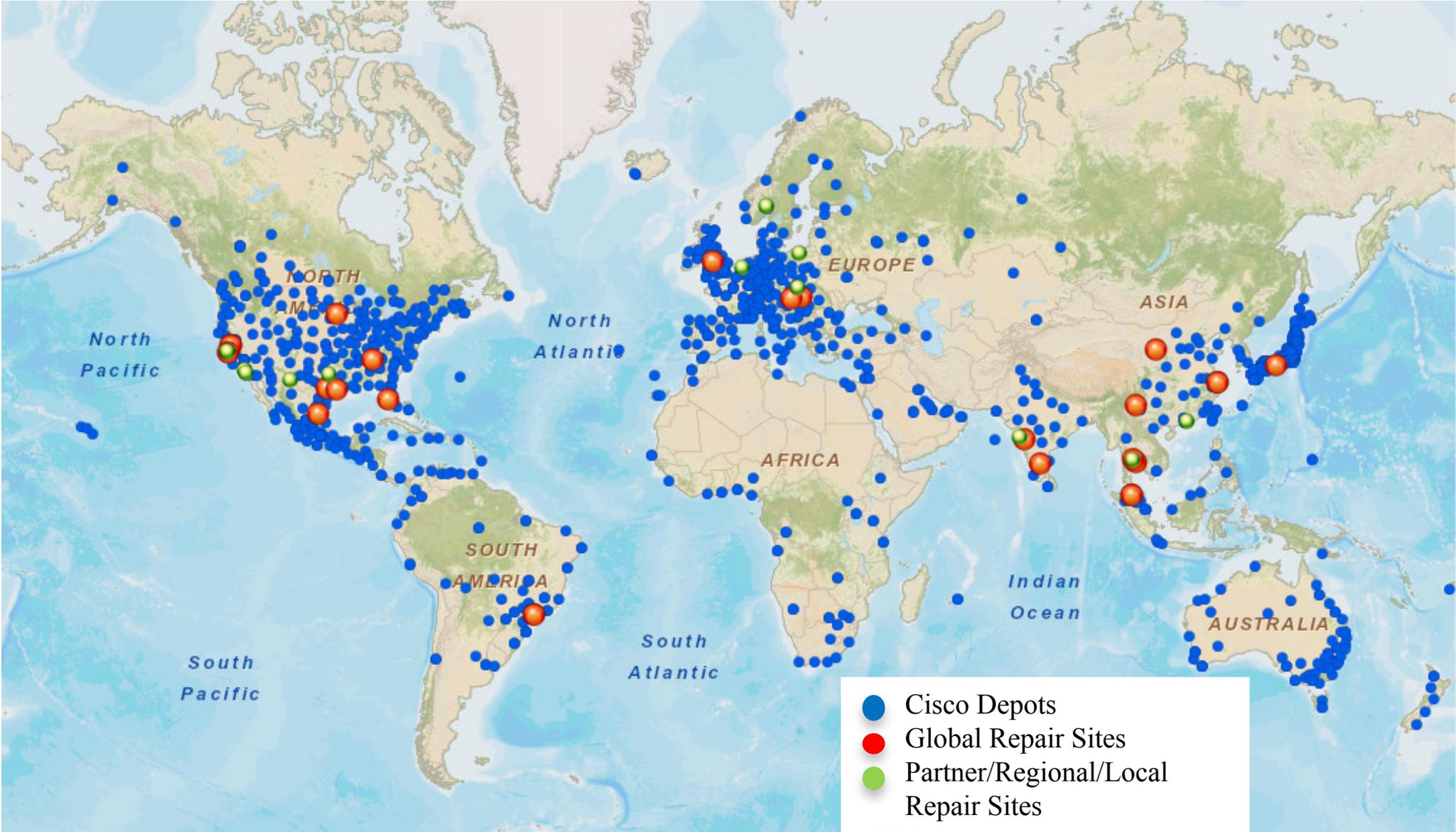
Fully functional finished goods



~~e-Waste~~



Cisco Depots and Repair Sites



Synergies



Thank you.

