



UNIVERSITY
OF SOUTHERN
QUEENSLAND
AUSTRALIA

Loop-de-Loop: Circular economy viability into the future

Dr Polly Burey, chemical and materials engineer/food scientist

Food Waste Valorisation RPT

Centre for Future Materials

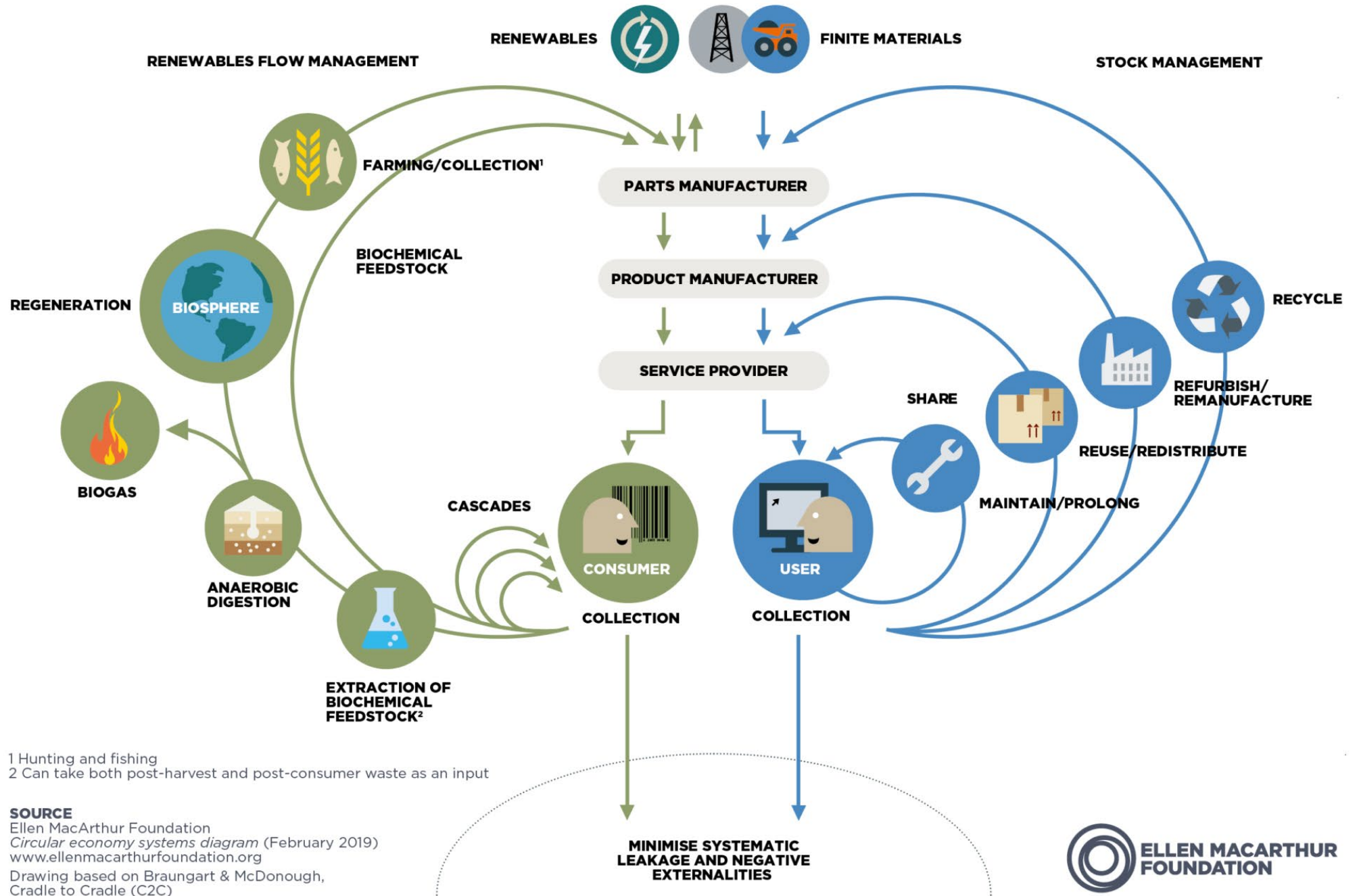
Why loops?



- Recover and use less new material
- Recover other resources (energy, water)
- At a **decent cost**

All without further detriment to the environment or communities

How loopy?



Everyday circular economies



- What's your drink container made of?
- **Which is the 'worst'?**



- E-waste is one of the most significantly growing streams with much work to be done
- **Why is it so hard to deal with?**

Everyday circular economies



~300 kg/capita/annum generated

~130 kg/capita/annum disposed

- In Australia we are one of the worst global offenders regarding food waste rates (along with N. America)

- **How can we stop this?**

National Food Waste Baseline Report, 20th March 2019



UNIVERSITY
OF SOUTHERN
QUEENSLAND
AUSTRALIA

Thank you!

Find out more:

@ Polly.Burey@usq.edu.au



+61 4631 1937



<https://staffprofile.usq.edu.au/profile/polly-burey>