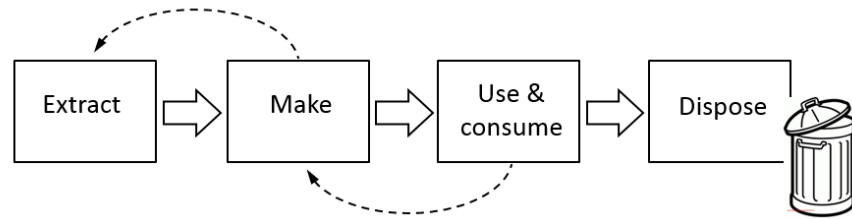
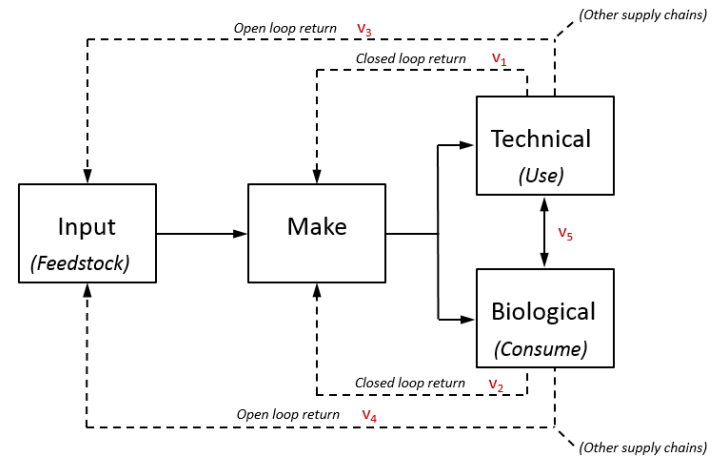




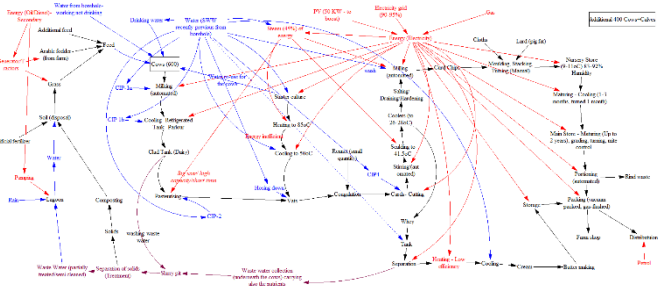
Current state – efficiency focus



Future state CE model – ‘regenerative by design’

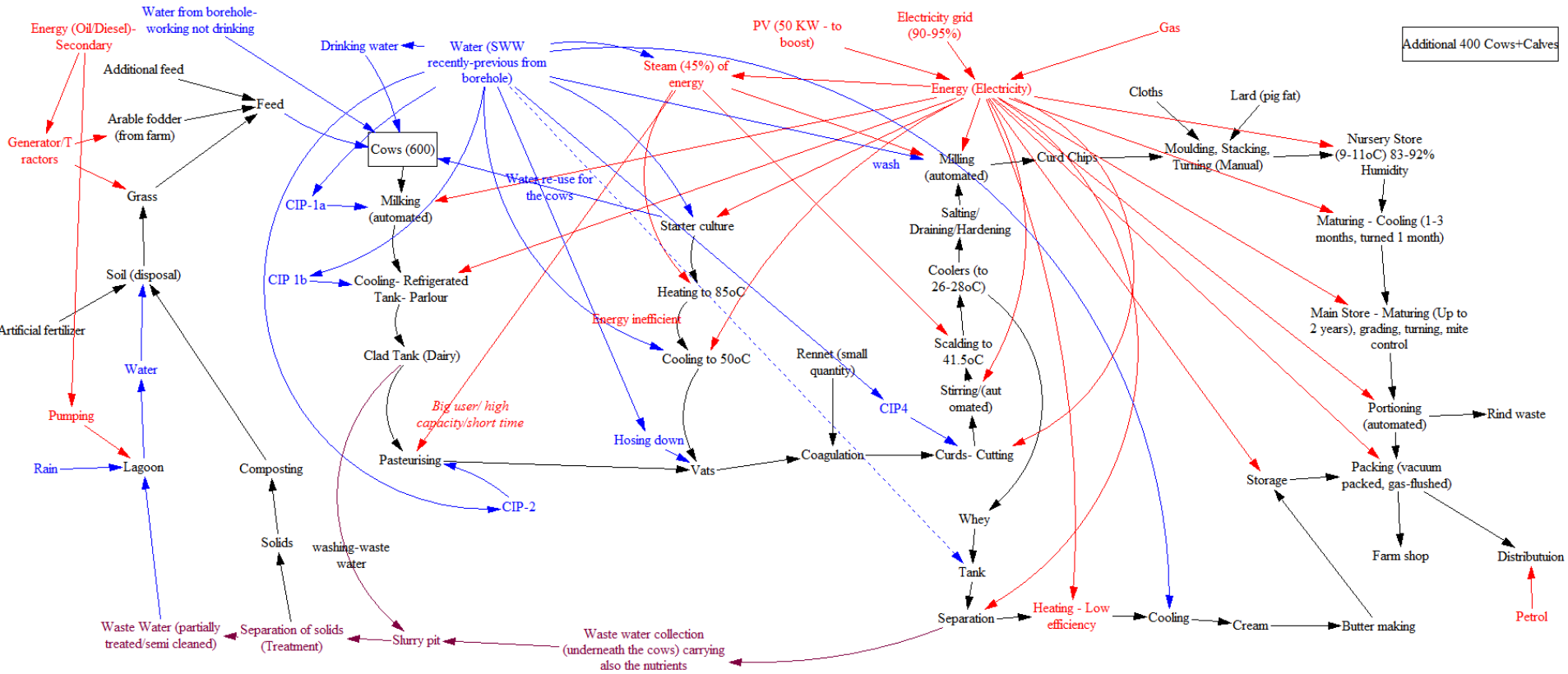


CE capability maturity model (CMM)



<p><i>CMM level:</i></p>	<p>5% CLR / OLR</p> <p>1. Initiate</p> <ul style="list-style-type: none"> • Efficiency focus • Waste reduction 	<p>15% CLR / OLR</p> <p>2. Manage</p> <ul style="list-style-type: none"> • Effective measures: materials, energy, water • Linear connections • CE awareness 	<p>30% CLR / OLR</p> <p>3. Improve</p> <ul style="list-style-type: none"> • Cont. improvement • Supplier involvement • Some closed loops • Known nutrients • Optimised SKUs • Skills focus 	<p>60+% CLR / OLR</p> <p>4. Inspire</p> <ul style="list-style-type: none"> • Leads the sector • Drives best practice • Regenerative and restorative • Regional capability • Investment plans • People focus 	<p>5. Govern</p> <ul style="list-style-type: none"> • System governance • Policymaker links • Informs & informed by civic society • Includes wider stakeholders, NGOs • CE vision connects local, regional and national interests.
<p><i>Boundary / scope:</i></p>	<p style="text-align: center;"> Within firm Supply chain Sector Whole system </p>				
<p><i>Model attributes:</i></p>	<ul style="list-style-type: none"> • Basic end-to-end connections are made between energy, water, materials and waste. 	<ul style="list-style-type: none"> • Looped process design and renewable technologies begin to be introduced into energy, water and material regeneration. 	<ul style="list-style-type: none"> • Energy, water, materials and people are all part of one interconnected and restorative systems design. 		

System Dynamics Modelling



Circularity indicators - *preliminary ideas*

- **Percentage of total water treated and re-used within the business** i.e. % closed loop return – CLR.
- **Percentage of total water supplied to/from external sources other than mains supply (e.g. rainwater, fields, storage tanks)** i.e. % open loop return – OLR).
- **Percentage of total materials / solids treated and re-used within the business** i.e. % closed loop return – CLR.
- **Percentage of total materials / solids supplied to/from external sustainable sources (e.g. AD plants)** i.e. % open loop return – OLR).
- **Percentage of clean, renewable energy (e.g. power, heat) generated or re-captured during production.**

Q1 What is hindering your business?

Q2 What will help or hinder you becoming more circular?

