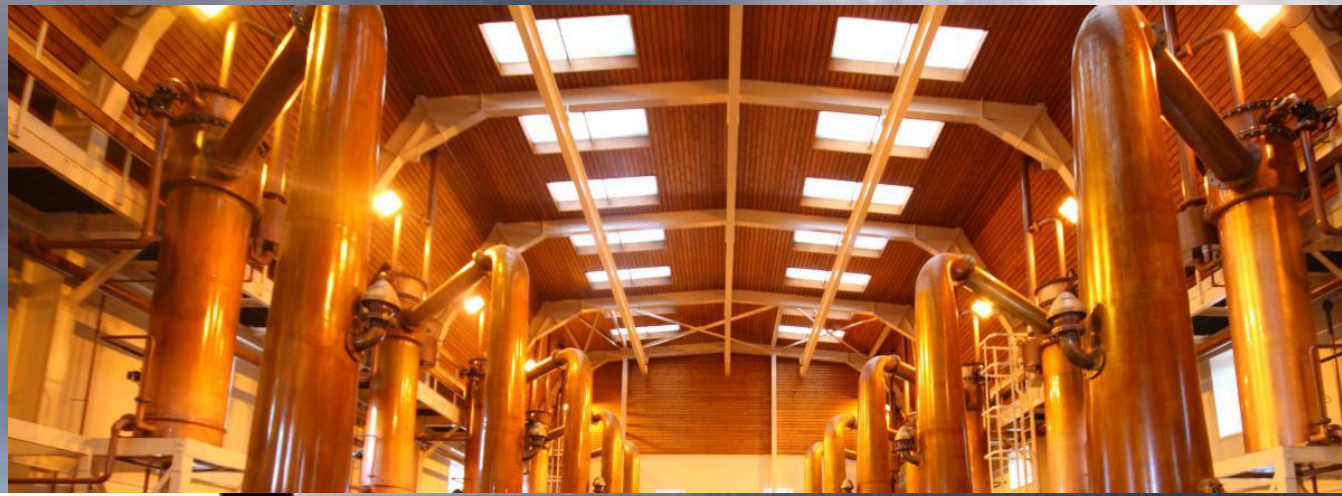


Bioeconomy and the local landscape: New opportunities, synergies and territorial dynamics

Dr Paul Hudman,
The Industrial Biotechnology
Innovation Centre



The National Plan for Industrial Biotechnology 2015-2025

Building on Success

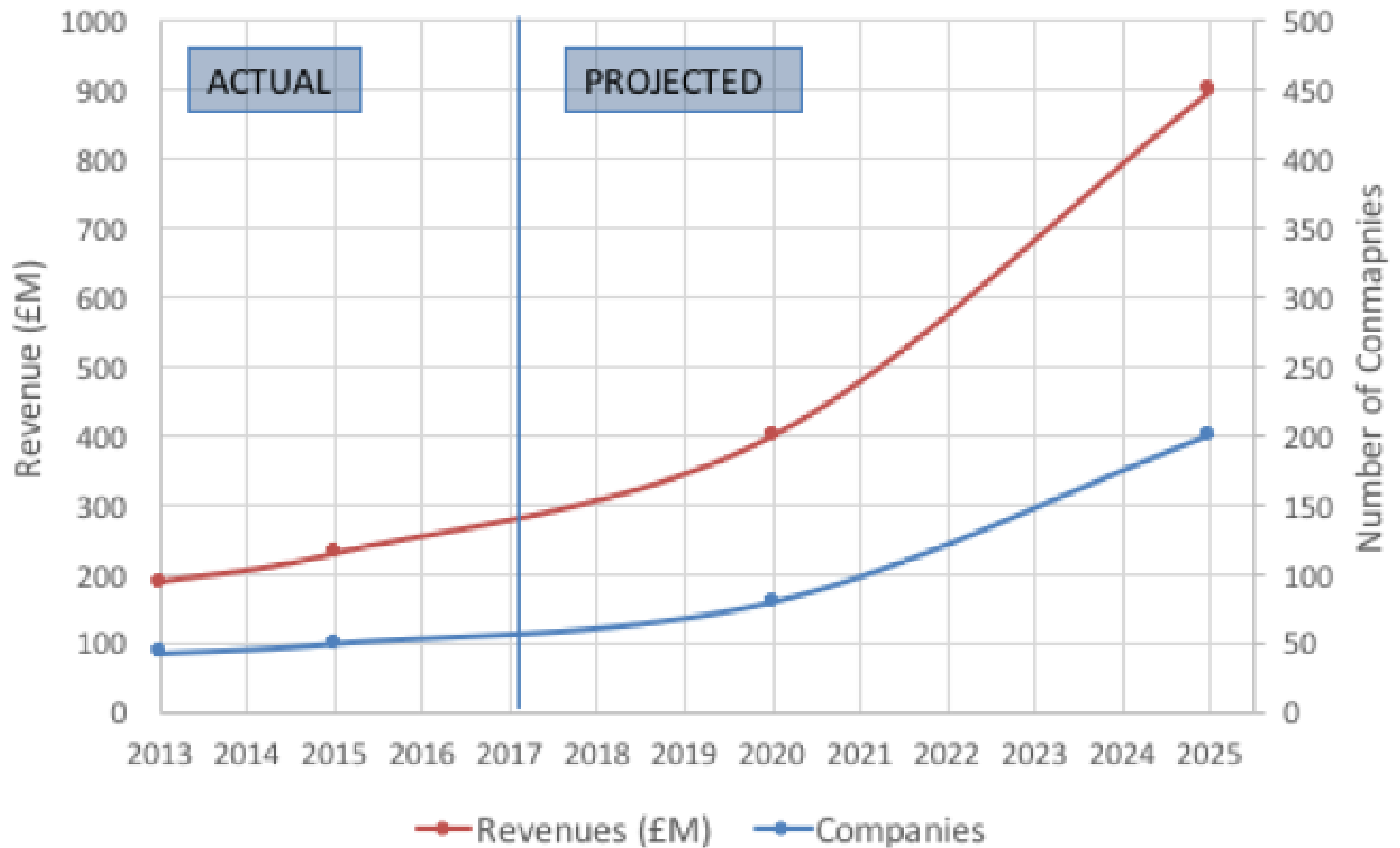


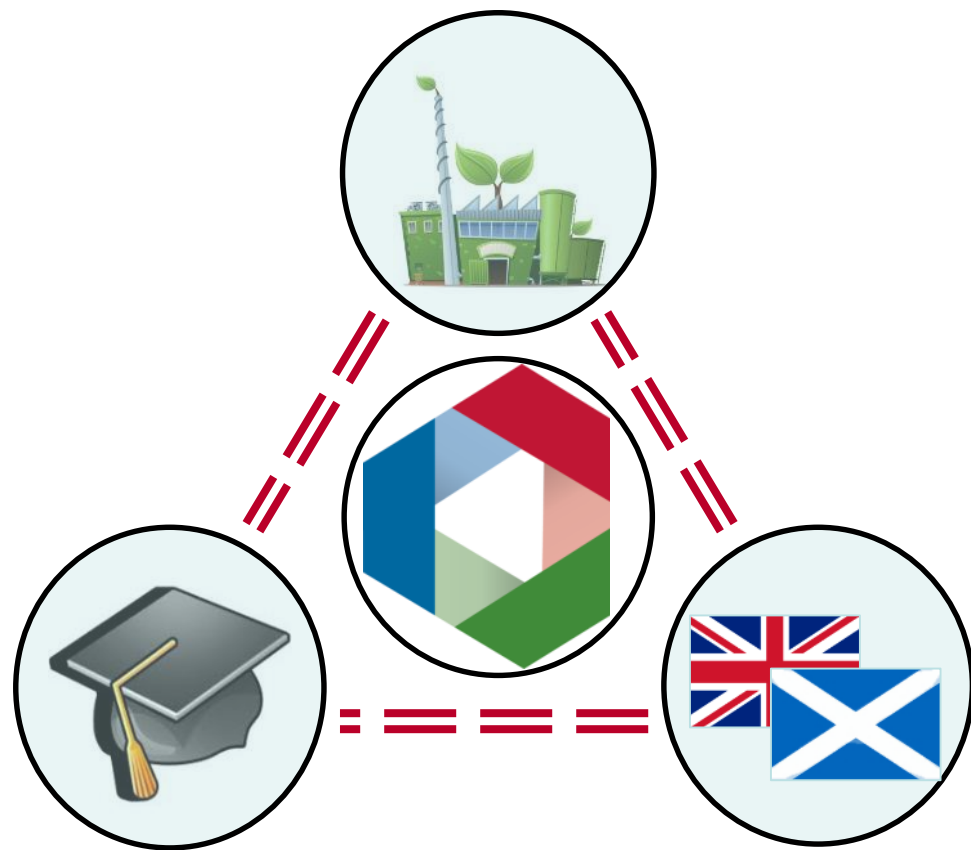
The Biorefinery Roadmap for Scotland



- Focus areas:
 - Forestry
 - Industrial/ Commercial Waste inc CO_2
 - Marine
 - Synthetic Biology

Targets





*Enabling the growth
of a new industry*

Technical
Expertise

Providing the
tools

Linking
communities



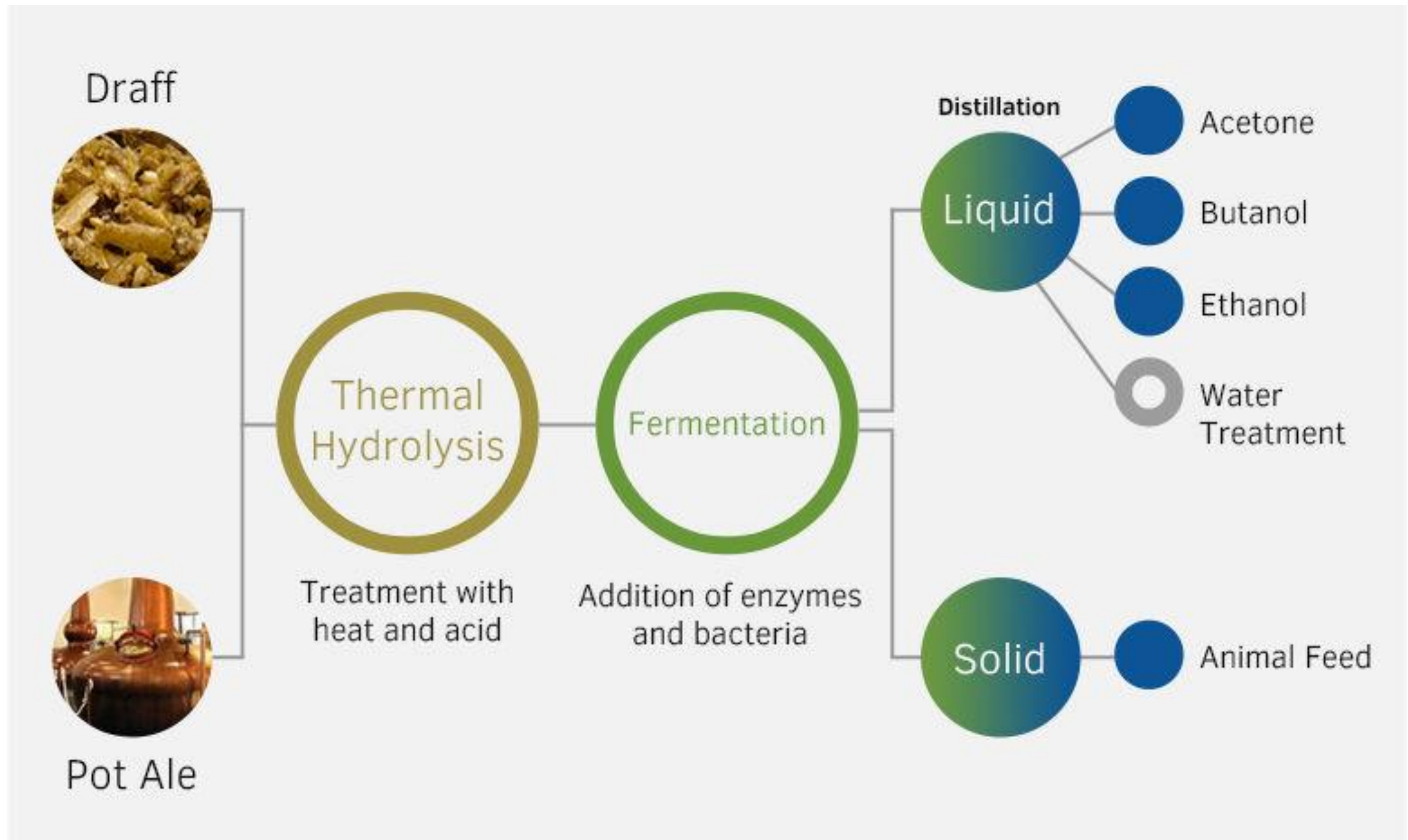
By 2030
our target is to generate
£1 to £1.5bn
of GVA contribution annually
to the Scottish economy;
this represents a growth of revenue
from 2012's estimated value of
£190m to between **£2**
and **£3bn**

250 million L
per annum



2 billion L Pot Ale
600, 000 T Draff

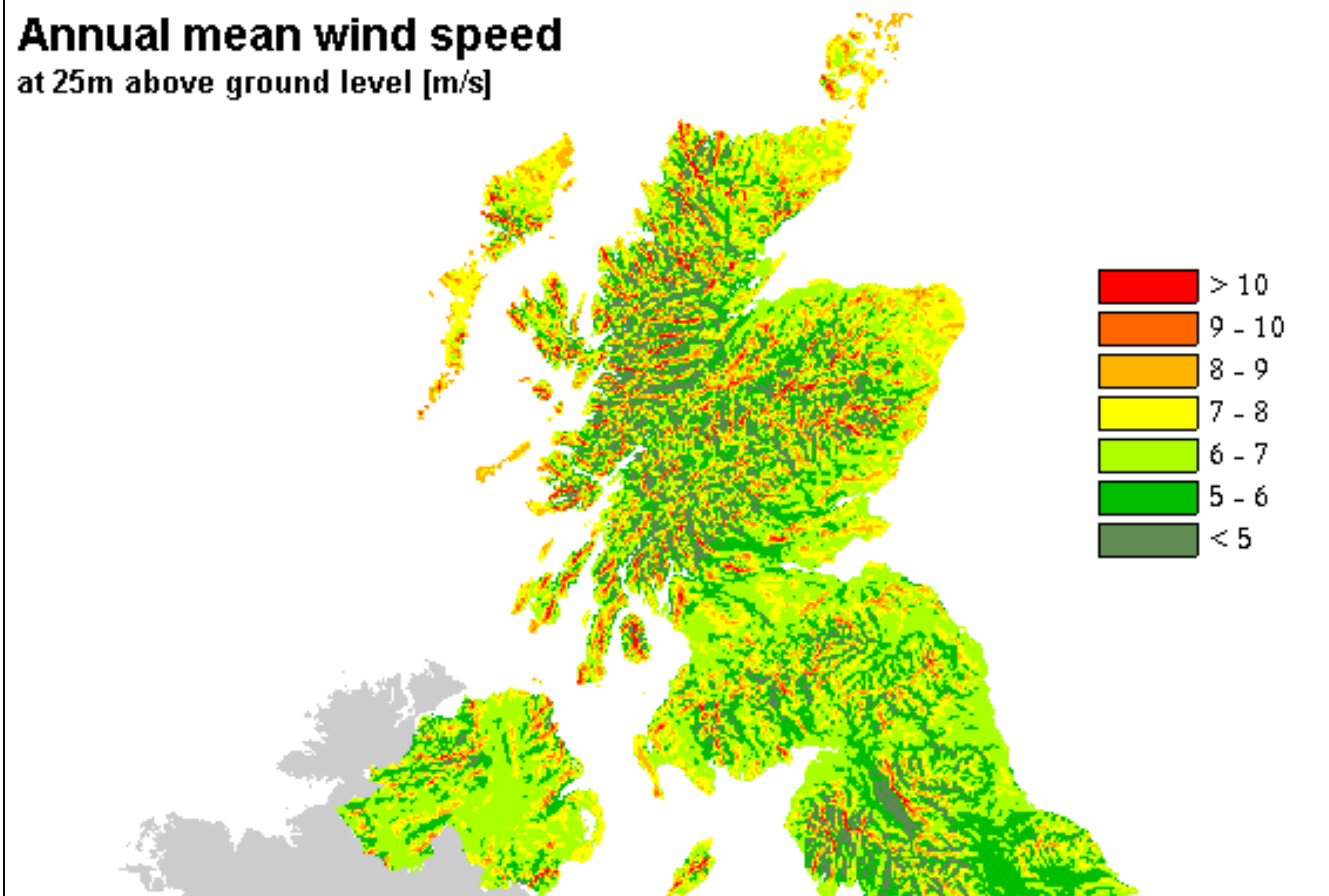




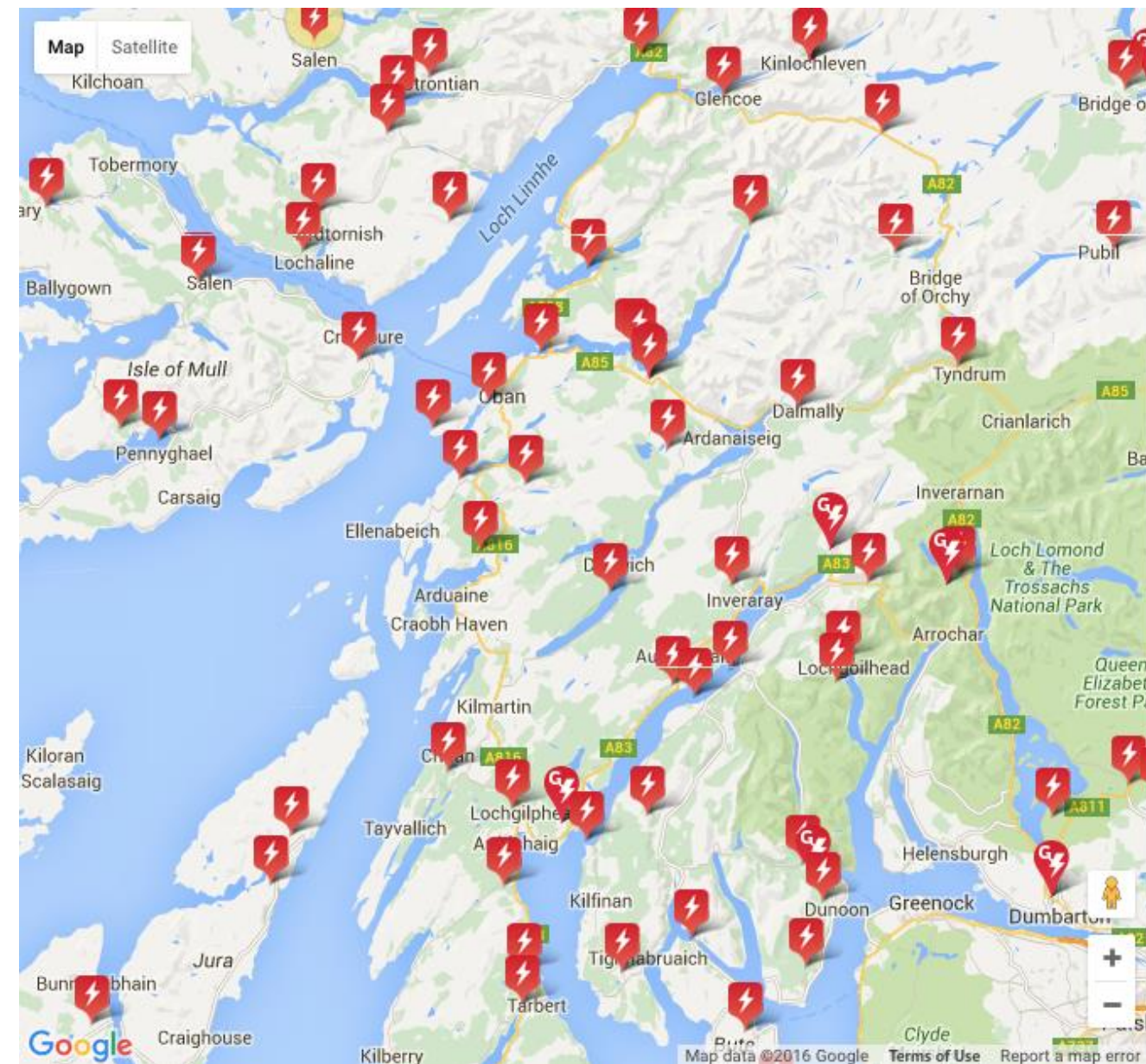
Integrated solutions



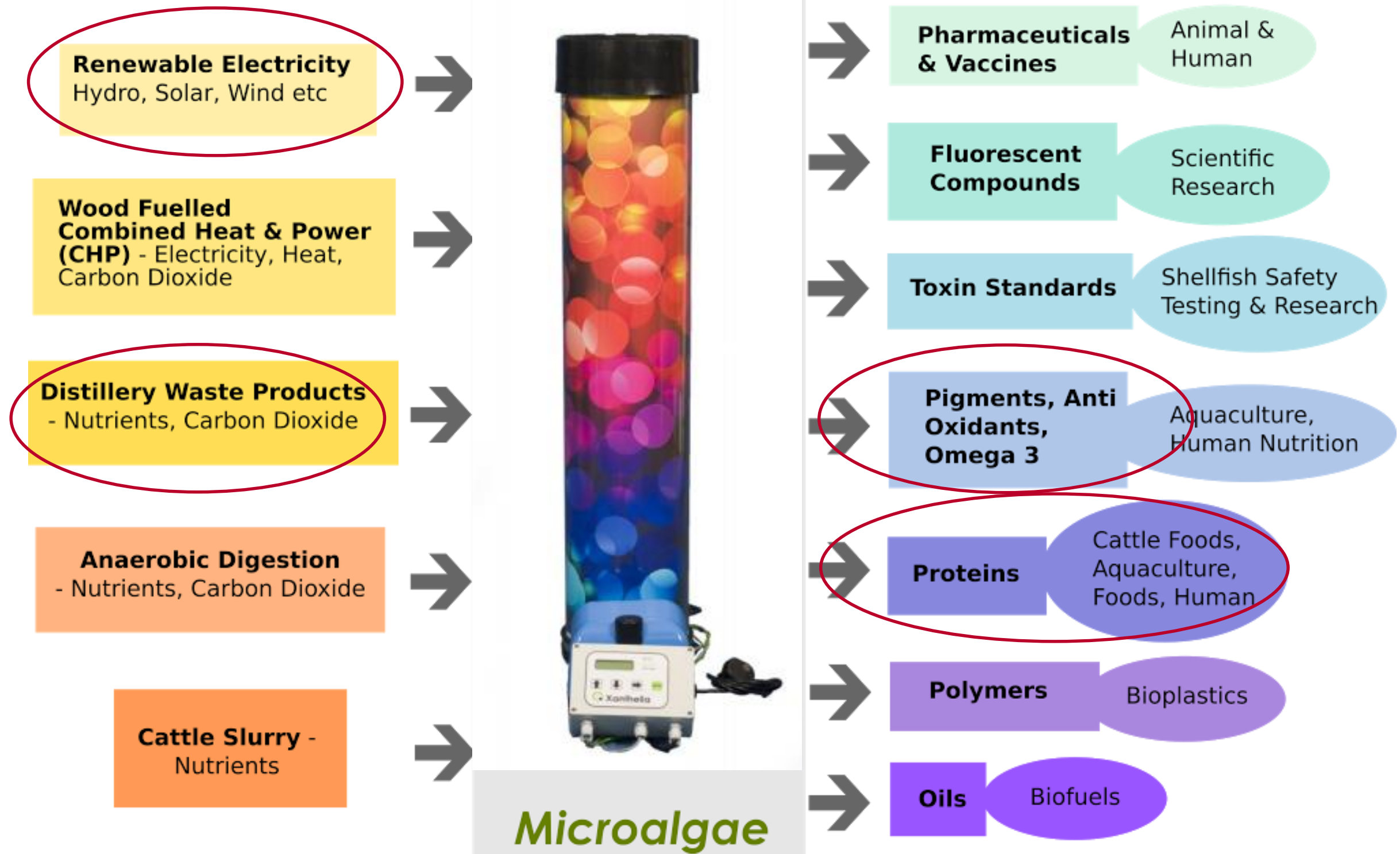
Annual mean wind speed
at 25m above ground level [m/s]



High potential but a
constrained grid



Algal Solutions for a Local Energy Economy (ASLEE)



The ASLEE project





**“Do what you can, with what you have,
where you are”**

- Theodore Roosevelt



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