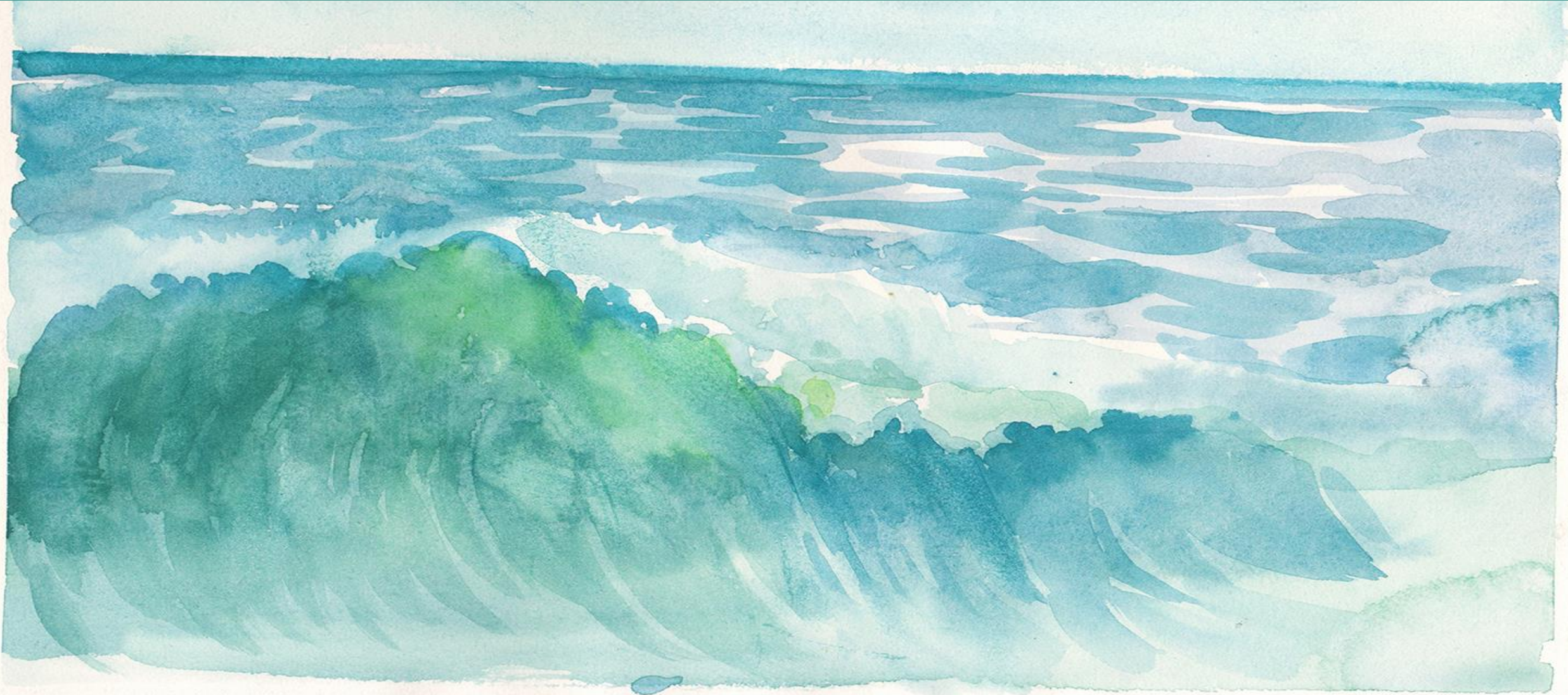


An opportunity for Wales?

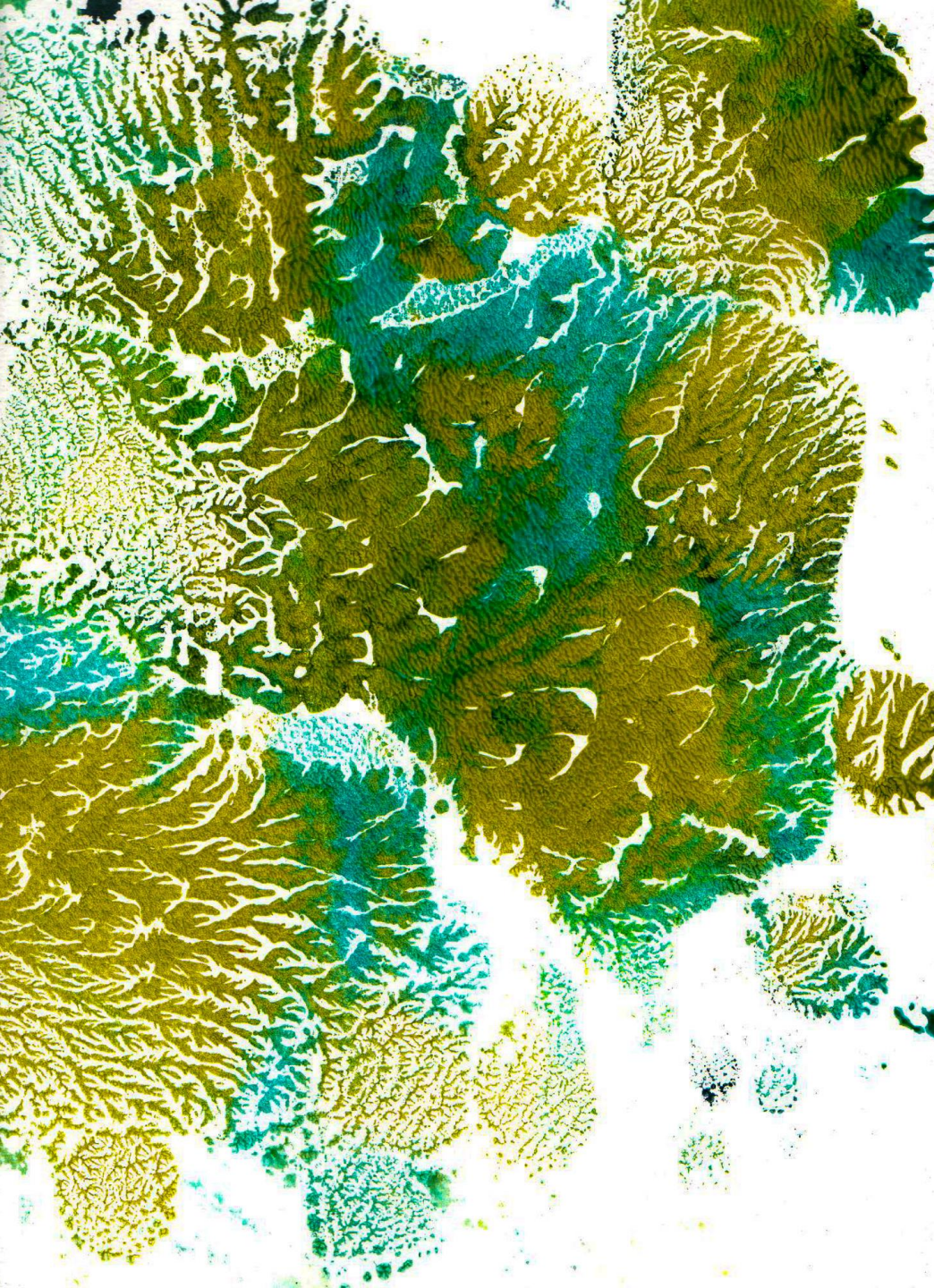


To develop a new industry based on compounds from seaweed



Other nations in and outside the UK
are actively pursuing this opportunity





Is this industry viable for Wales and if so, how viable?



EMFF funded

12 – months feasibility study

Project Madoc – a multidisciplinary team (10)

185 stakeholder consultations



UNDEB EWROPEAID
EUROPEAN UNION



Llywodraeth Cymru
Welsh Government

**Cronfa Môr a
Physgodfeydd Ewrop**
**European Maritime
and Fisheries Fund**

Within the decade.....

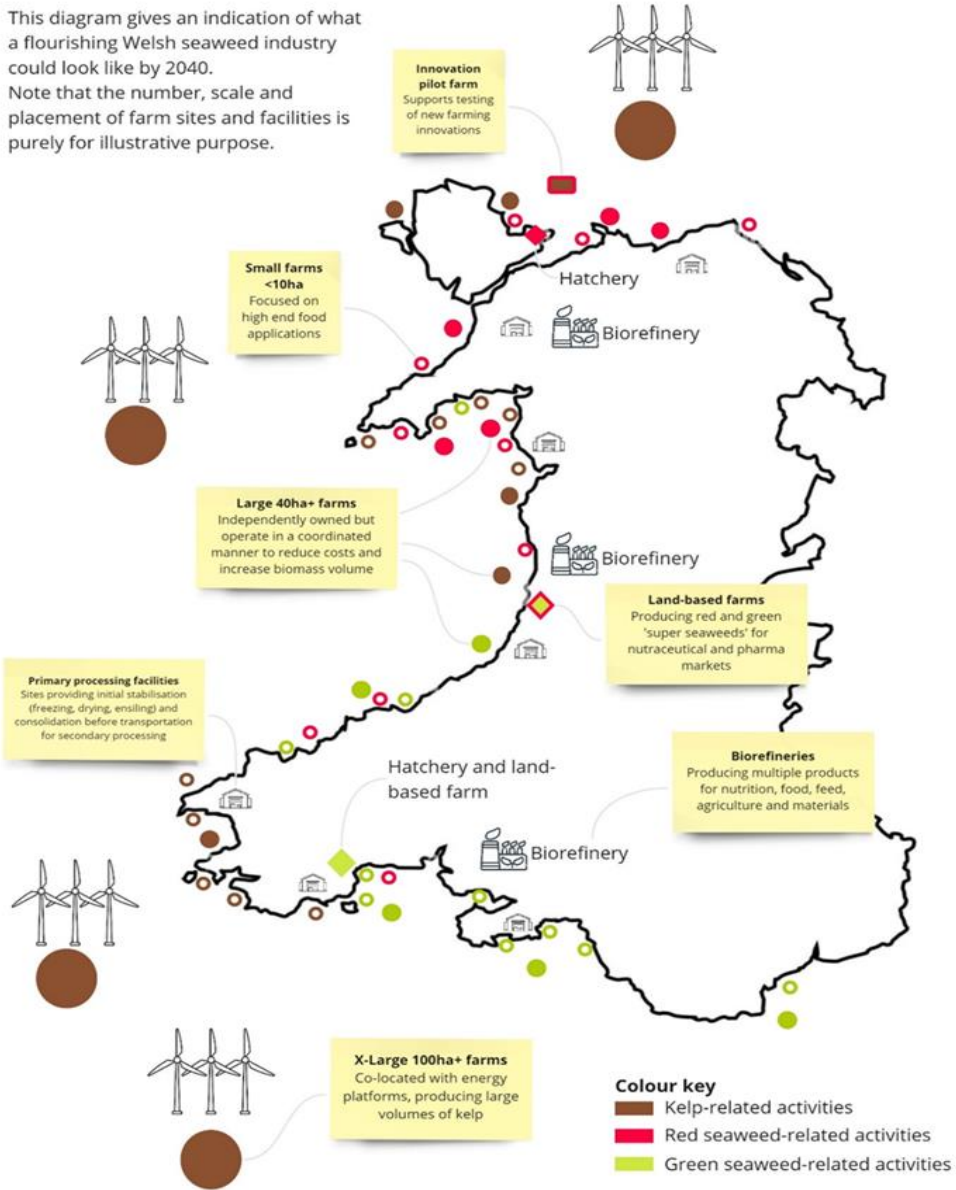
- A £105 million industry (this does not include value added from biorefinery)
- £76.3 million to GVA
- Close to 1000 new jobs
- Stimulating £29.4m in salaries and remuneration
- Yielding biomass of 17,700 tonnes
- Further advance the biotech sector in Wales
- 50% of Wales marine area suitable for farming kelp (based on mapping)
- Only a fraction i.e., less than 1% of this space required to meet these outputs
- Minimal negative environmental impact from (measured 5 > 50 ha farms)
- Opportunity to combine offshore renewables with seaweed farms.
- Ample opportunity for RD&I across whole supply and value chain

So yes, it is viable.....

Phasing development to realise an industry
'Vision for Wales'

Welsh seaweed in 2040

This diagram gives an indication of what a flourishing Welsh seaweed industry could look like by 2040. Note that the number, scale and placement of farm sites and facilities is purely for illustrative purpose.



Offshore Colocation

Farms
 < 10 ha
 > 40 ha
 > 100 ha

Wales Industry Association

Central hatcheries

Knowledge transfer programmes

Regional Biorefineries

New supply & value chain

Land-based farms

What next?

Commitment from
Welsh Government to
realise the opportunity

Develop Industry
Development Plan

Based on a suite of
recommendations

Integrate within a
wider Blue Economy
Plan

The opportunity for Wales is however time sensitive!

