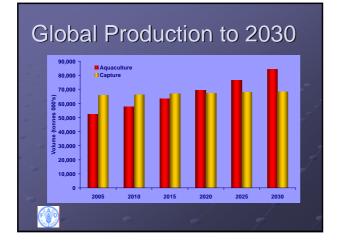


Aquaculture to help sustain seafood supply

- <u>FAO data</u> aquaculture will help to fill gap between worldwide demand for fish and supply from wild catch
- Aquaculture development MUST be market led - volume and 'niche' markets



Aquaculture species in UK

Shellfish

Mussels, oysters, clams, King scallops & queenles
 new species – other clam species, abalone, lobsters
 other invertebrates - sea urchins

Finfish

- Salmon, halibut, turbot, c
 ootential new species
- Trout (freshwater species)



Mussel culture



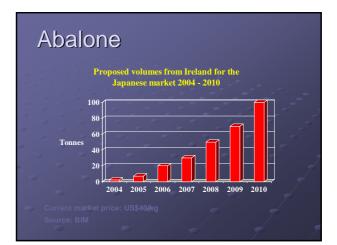
- Sector of the industry showing very good potential. Economy of scale with:
- Purpose-built vessels for seabed culture
- culture systems
- UK at forefront of technology development
- Need to add value rather than export to reap benefits

Diversification into new Species

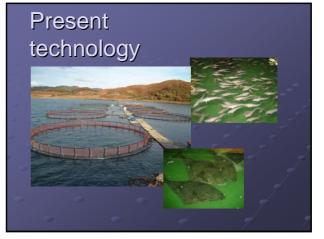
- technology available restocking programmes with juvenile lobsters cultivation to market size in commercial production units uneconomic at present

Sea urchins

technology available – production in land-based systems for areas outside south west England







Offshore technology



Offshore technology



Offshore support



Land-based recirculation systems



More control over:

- temperaturewater quality

- In Mediterranean, some sea bass culture moving away from sea cages to recirculation systems

Land-based recirculation systems

Initiatives to promote good environmental practice

- Creation of wetland areas
- Polyculture with e.g. shellfish/seaweeds

Novel materials

e.g. use of flax as filtration medium – biodegradable

Outlook

- On global scale, supply & variety of seafood from aquaculture will increase
- Aquaculture development will need to remain in tune with environmental sustainability
- Increased automation of production systems

More novel developments & ideas

- . Linking to other sectors in the coastal sector

- Sea-going production units

A framework for the future

