

Wealth from the waters? Current reflections...

Panel session: Fisheries, aquaculture and marine biotechnologies: a more sustainable and efficient use of marine resources for new market opportunities.

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Background....

- Aquatic resources/aquaculture – research, P/G teaching, global industry developments
- Market-defined perspectives in fisheries sector – economic/competition/trade issues
- Research management – UK Govt, CGIAR – global issues
- Climate change, energy, GHG issues in food and fisheries
- Futures/foresight analysis – EU, UK Foresight programme; lead expert group in “Global Future of Food and Farming”
- Future of fisheries – FAO, World Bank 2030/2050 horizons

Key observations

- Overarching themes of food supply and security, globalisation, resource efficiency, waste reduction.
- It's not just supply and value – delivery of benefits, social impacts
- More science and knowledge – challenges getting bigger, more complex? Driving excellence?
- The changing nature of knowledge based economies - significance of institutional behaviour in complex systems
- Redefining risks across sector – what and where are the drivers – how can we know/validate?
- Environmental services – valuation, monetisation, benefit sharing
- Outcomes – what is desirable – public engagement, consumer responses?
- Values, investments and returns – collecting and focusing, building durable partnerships

Strategic needs

- What is the bioeconomy? Clear objectives and measurable indicators; varied contexts and expectations – joining together the system
- Range of goods and services, both expansion and diversification, need quality definers, CSA etc
- Timelines/risk profiles for delivery, ownership, development of supply and value chains
- Supportive environments – R&D, IP, trade, skills and human/organisational capacity – essential/desirable?
- Engagement in new economies – rural/urban interactions, integrated resource systems, new perceptions of social value..
- Building networks – recognising and promoting good practice... the vanished role of keystone reviews?