The 2013 Stakeholders Conference-Bioeconomy Days **"Bioeconomy in the EU: achievements and directions for the future"** Dublin 14-15 February 2013

Marine bio-resources in the context of bioeconomy



UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH

Rosa Flos





Fisheries

The greatest challenge:

To reach an agreement between the European Union, member states and the industry to apply the ecosystem approach

Successes

Aquaculture for human direct consumption

Challenges

Advanced industry

Some species

Genomics

Biotechnology

New feed research

Fisheries sustainability certifications

Engineering advances

More scientific knowledge

Consumers more conscious

Transfer of technology Diversification Genomic based selection Improving health More sustainable feeds Offshore farms (integration with other structures?) (to explore?) An increased ecosystem approach Integrated Multi-trophic Aquaculture (to explore)? **Consumers demanding sustainable fish (role**

of labels)



Source: NOAA Coastalmanagement noaa go

Key Challenges for to-day

From the Conference (A Coruña, Nov 2012) European Aquaculture: the path for growth.

Simplify administrative procedures, especially licensing

Secure allocation of water and space

Promote business diversification

Exploit competitive factors such as EU's high standards



Biodiversity, taxonomy, genomics, physiology of microalgae... It is a world in itself!



Conclusions

Cooperation and agreement among stakeholders is needed to take full advantage of the use of marine bioresources in the context of bioeconomy Great challenge: to reach an agreement following the ecosystem approach, to implement it, and to control the implementation