

Blue innovation – what does Iceland have to offer?

A horizontal red wavy line that spans the width of the slide, positioned above the speaker's name.

Dr. Thor Sigfusson / Founder & Chairman
The Iceland Ocean Cluster

Mission

To **create value** and growth
in the **blue bioeconomy**
through **connection**



Iceland Ocean Cluster





Use lights rather than nets to herd fish and by that scraping of seafloor is eliminated and emission lowered.



By harnessing wind energy
flowing over cargo ships this
technology aims to decarbonize
the container ship industry.



Developing fish oil omega-3 from
pelagic fish which triples the value
of the fish





Extracting Chitosan from shrimp shells for biomedical purpose.

DrBRAGI®

Enzymes extracted from
COD living deep within the
ocean at -2° Celsius which
become super-active when
subjected to body
temperature.



A surgeon in a blue scrubs and mask is holding a piece of Kerecis mesh. The mesh is a thin, translucent, grid-like material. In the background, another person in blue scrubs and a mask is visible, working on a patient. The setting appears to be a clinical or hospital environment.

kerecis®

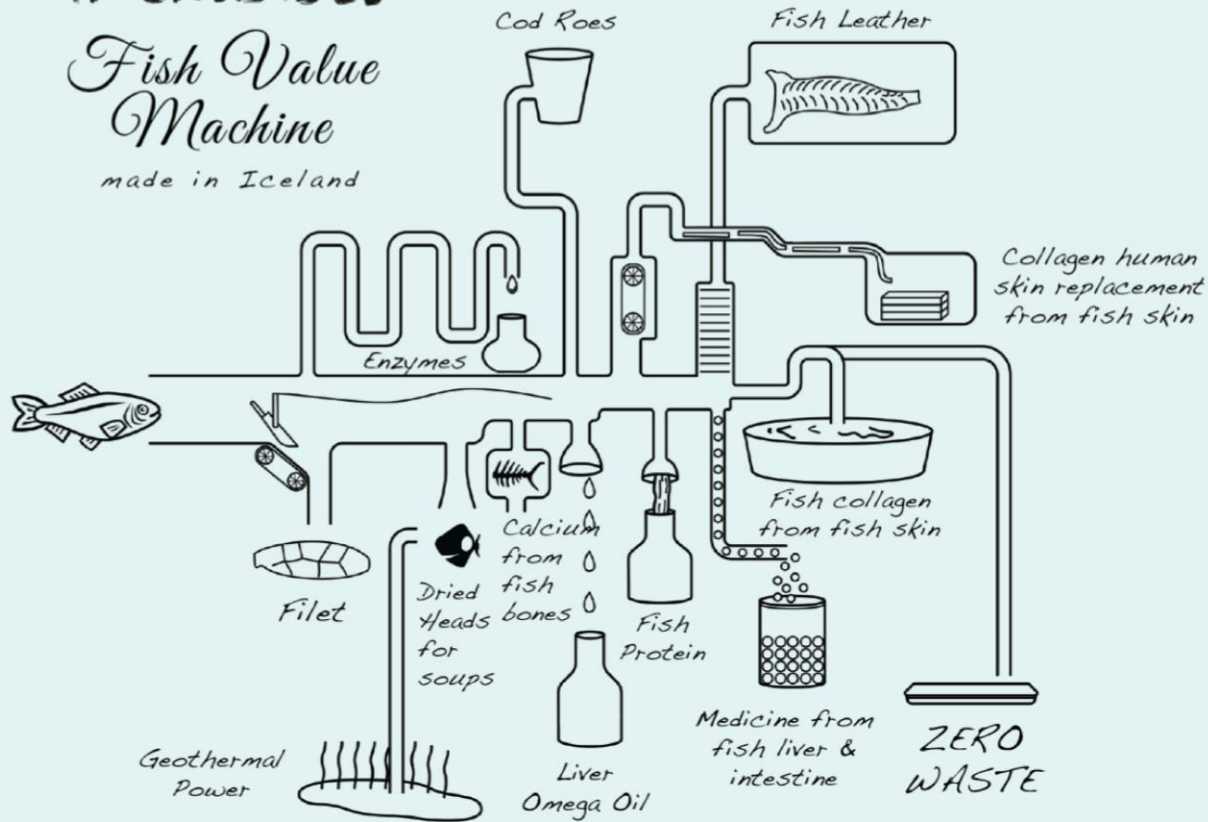
Cod skin used to help burn or
a diabetic wound to heal by
recruiting the body's own
cells

The challenge

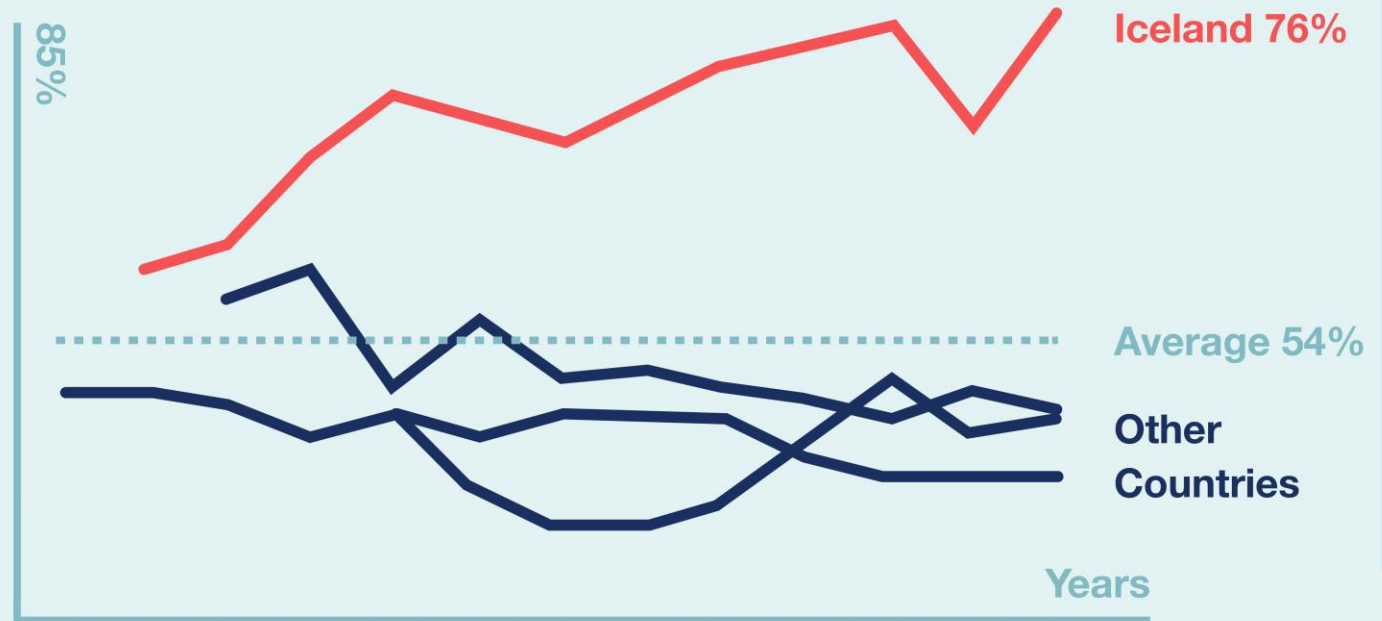


The global seafood industry dumps nearly 10million tonnes of perfectly good fish back into the ocean or into landfill.

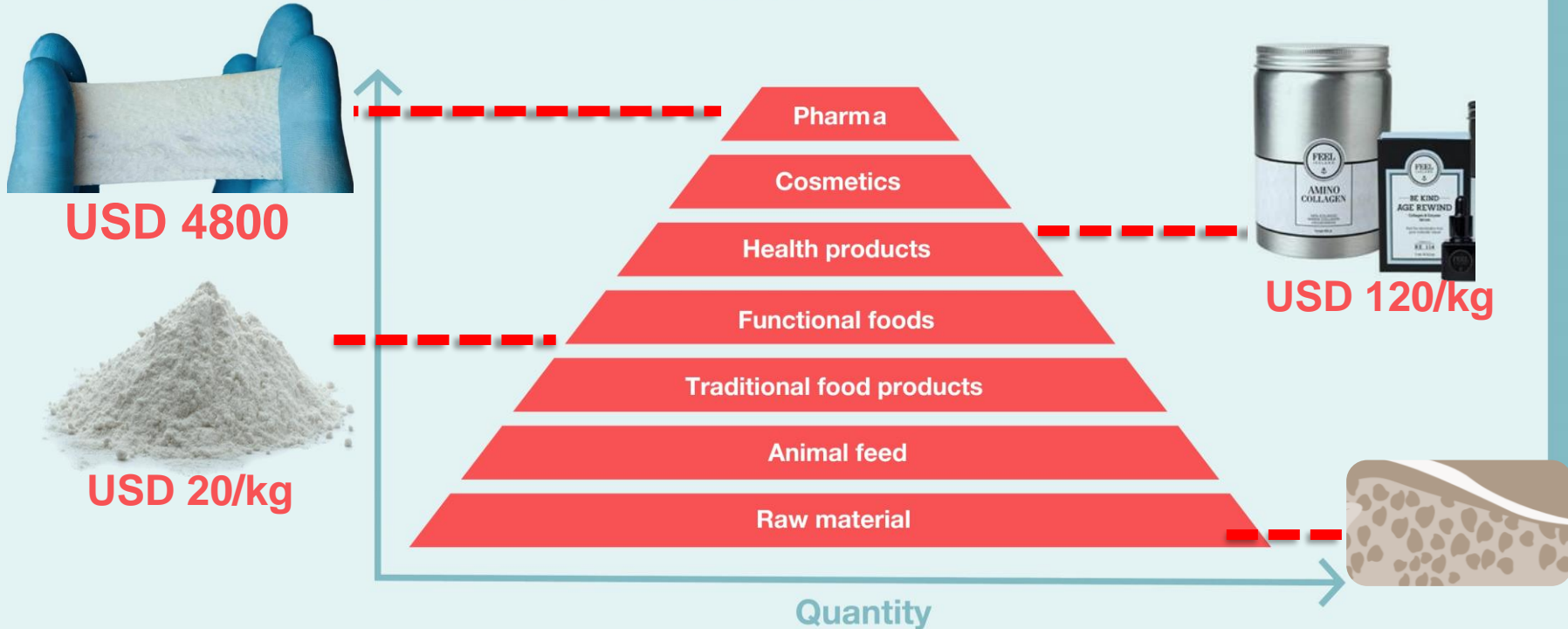
THE
INCREDIBLE
*Fish Value
Machine*
made in Iceland



How much of fish is used?



Value Pyramid of Fish Products



Natural fish stock for food processing



Heads and bones dried and exported



Canned product made from cod liver: smoked liver and liver paté



Fish skin transformed to collagen



Fish skin transformed to leather



Caviar from roe



Cosmetics made from enzymes from inner organs



Enzymes from intestines used for medical products



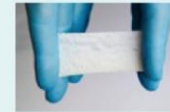
Liver oil used for Omega-3 and capsules



Hand- & foot cream



Fish skin as wound care



100%

Thank You

Dr. Thor Sigfusson / **The Iceland Ocean Cluster**
www.oceanccluster.is