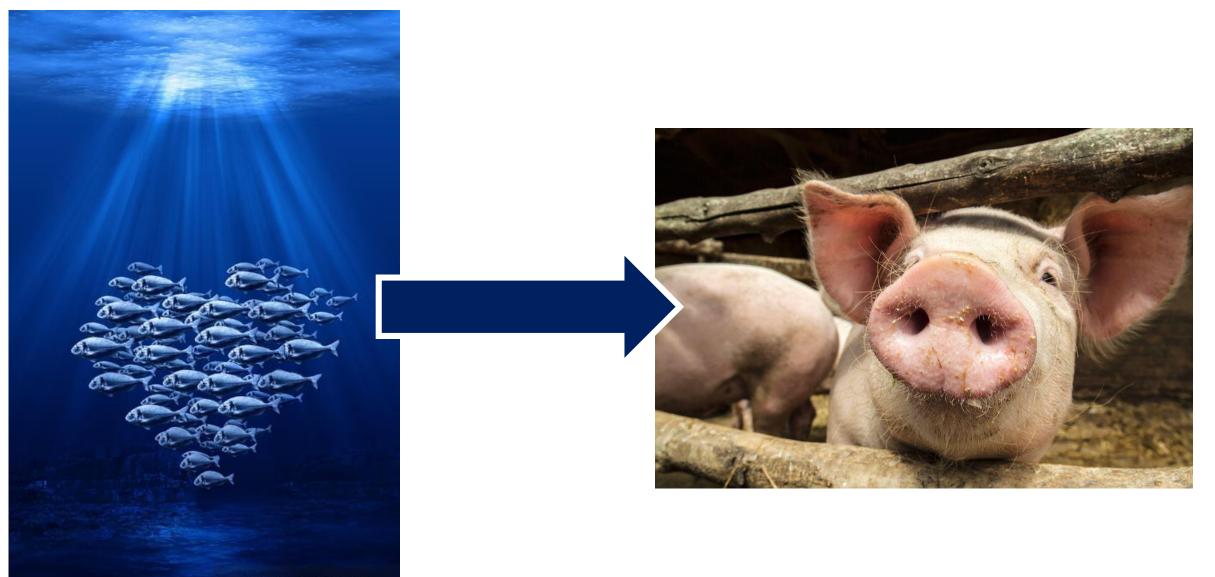
Transforming Unwanted Catches into Responsible Animal Feed Solution

Nutrition Sciences as partner in



January 31 2019

Our business



Company ID Card









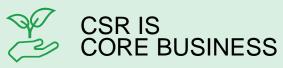






PARTNER TO FEEDMILLS, INTEGRATIONS, FARMERS & DISTRIBUTORS







TURNOVER 450 M EURO





INNOVATION

Worldwide presence













A Changing World

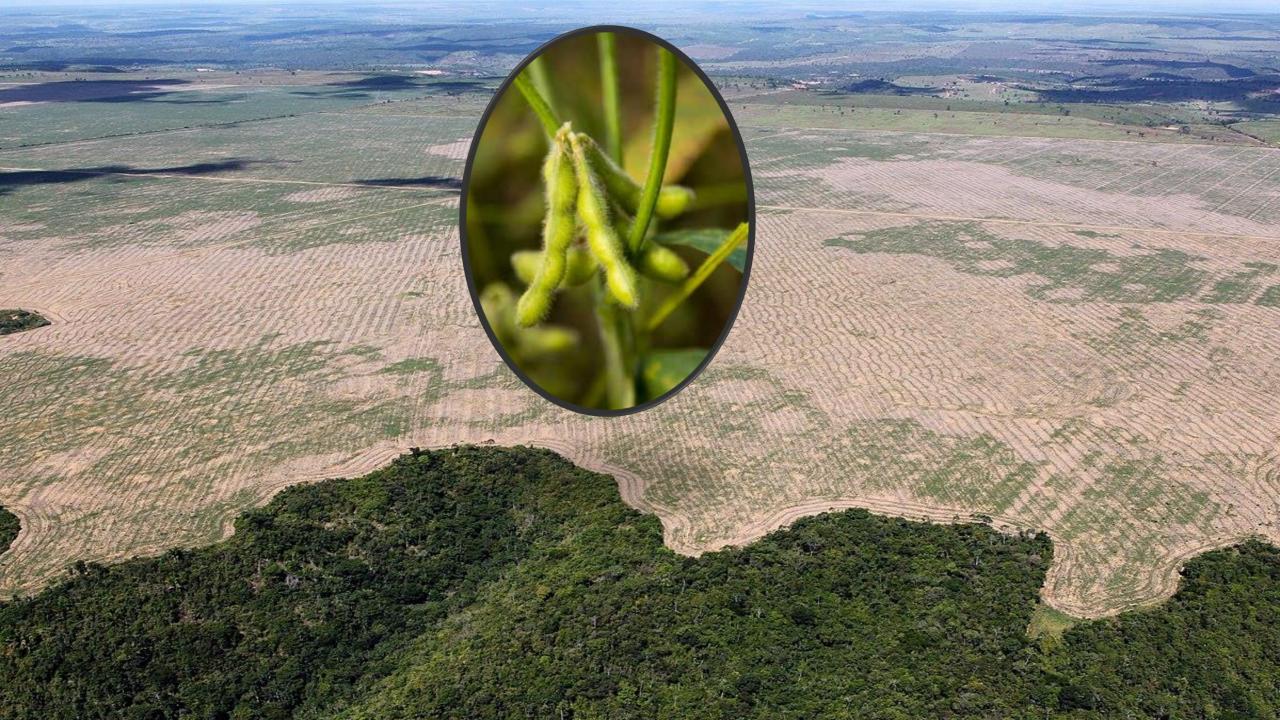


Impact on Our Divisions



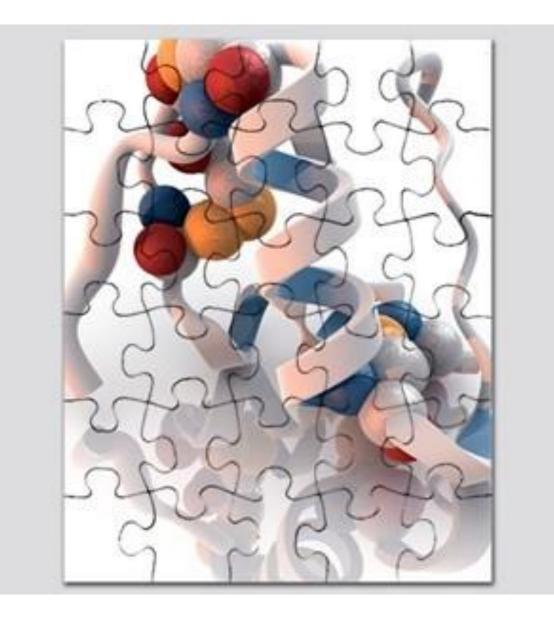
health4U

by nuscience











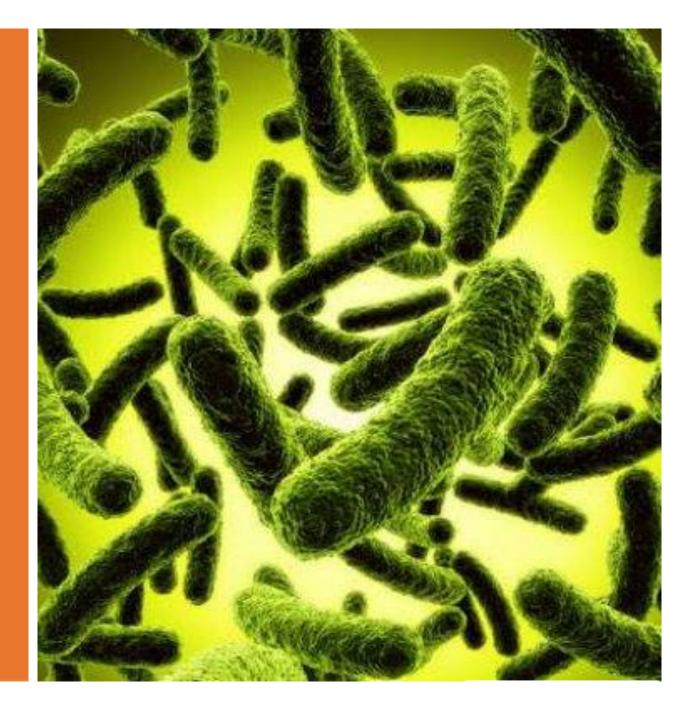






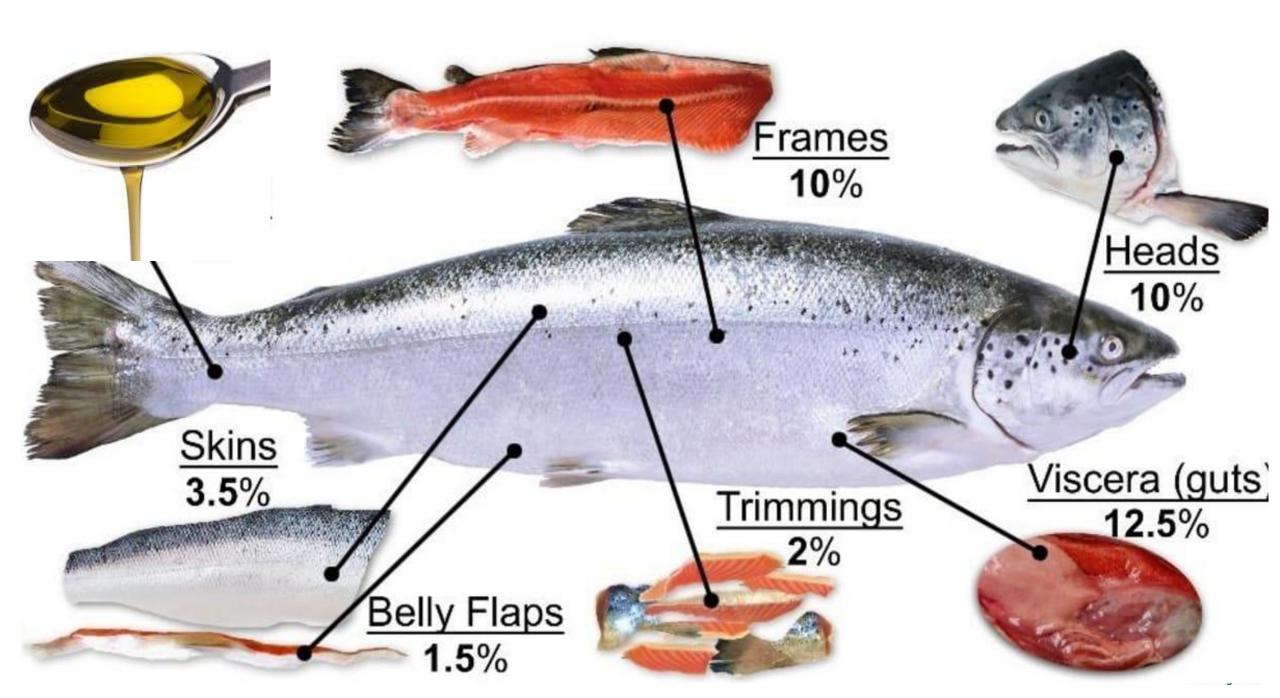














FISH PROTEIN MEAL FISH PROTEIN HYDROLYSATE FISH OIL

Impact on our Divisions







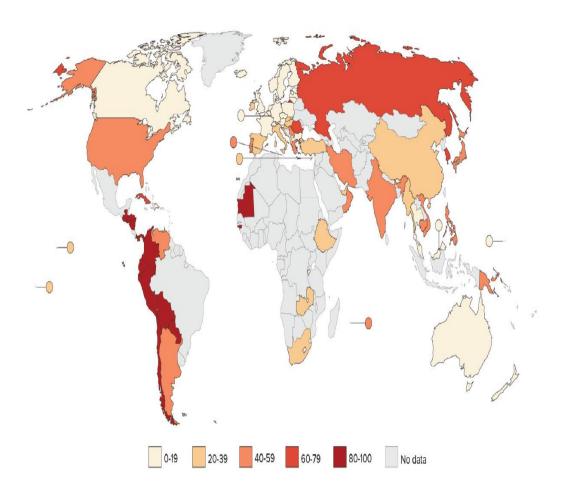
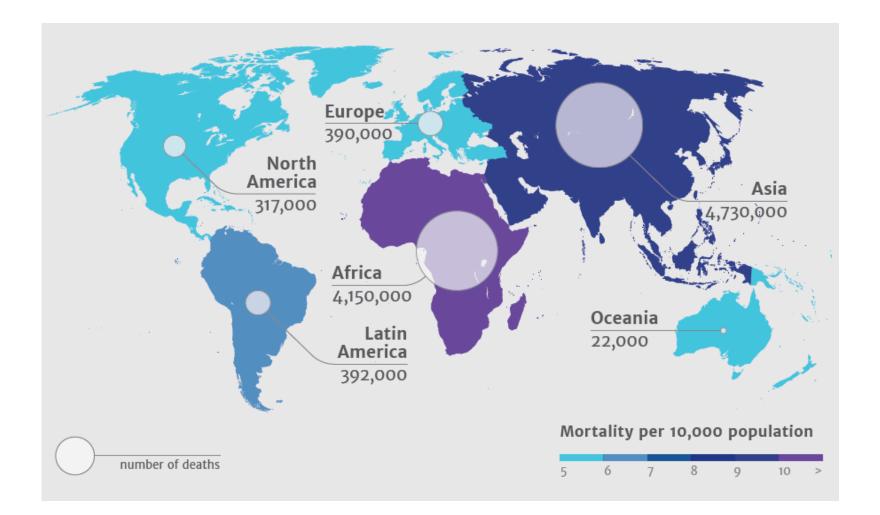


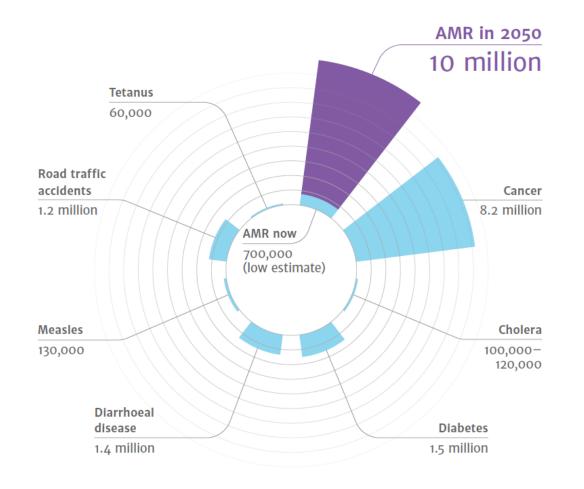
FIGURE 1-1¹: Percentage of *Staphylococcus aureus* isolates that are methicillin resistant (MRSA), by country (most recent year, 2011–14) Source: CDDEP 2015, WHO 2014 and PAHO, forthcoming

Deaths due to antimicrobial resistance every year by 2050





Deaths due to antimicrobial resistance every year by 2050





We are not alone on our journey !

McDonald's Global Vision for Antimicrobial Stewardship in Food Animals

"Preserving antimicrobial effectiveness in the future through ethical practices today"



Health | Fri May 22, 2015 4:58pm EDT

Wal-Mart urges meat suppliers to curb antibiotic use

Colistin resistance found in Chinese pigs and poultry

24 Nov 2015 last update:25 Nov 2015 2076





We are not alone on our journey !





Subway to Transition to Meat Raised Without Antibiotics

- OCTOBER 20, 2015 -

Subway gets rid of antibiotics ... over time









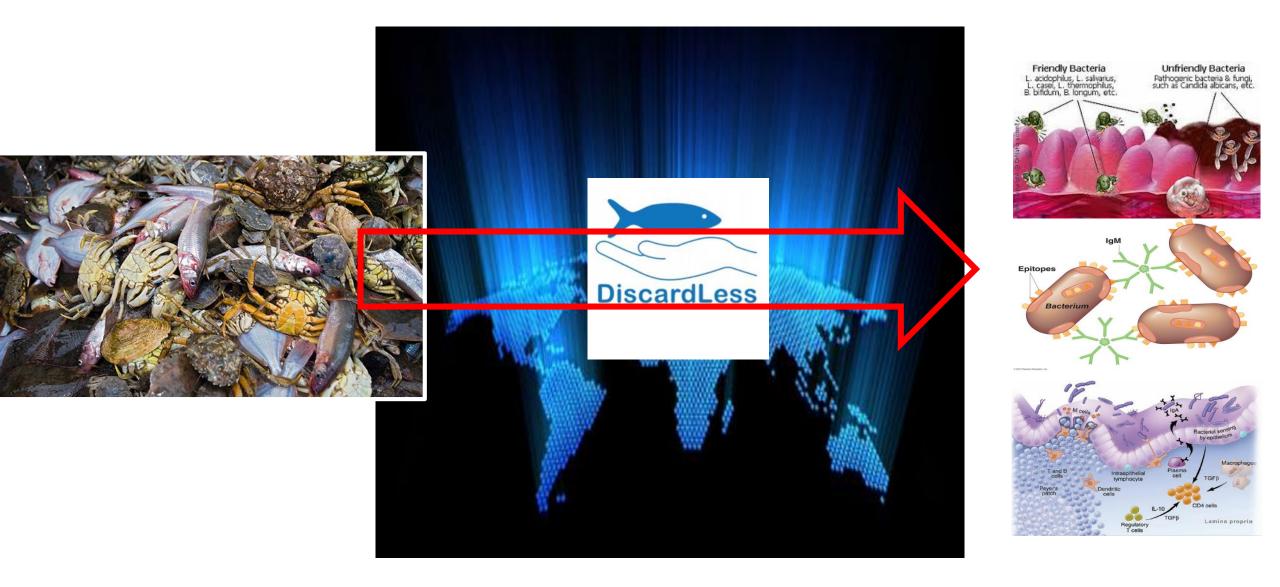




CHITOSAN



Blueprint Screening for Functionalities



In conclusions:

DISCARDLESS outcomes has potential as novel protein feedstock

DISCARDLESS outcomes has potential as for reduction of antibiotic dependency

CO-VALORISATION CAN BE KEY FOR ECONOMICS

Feedback ?

Geert Bruggeman@nutrition-sciences.com