

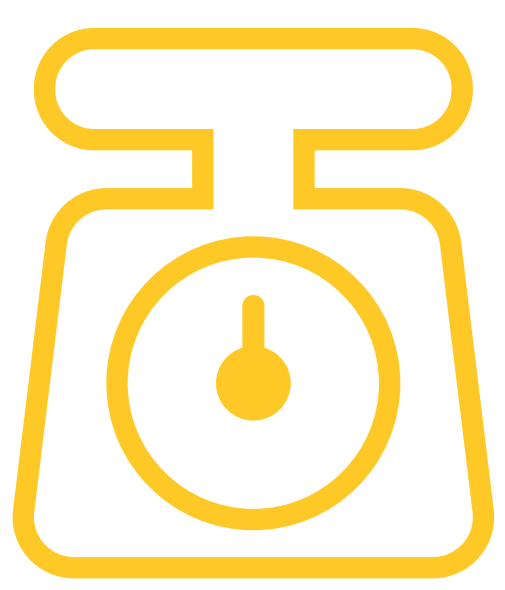
ACTIVE & INTELLIGENT PACKAGING

IN RELATION TO

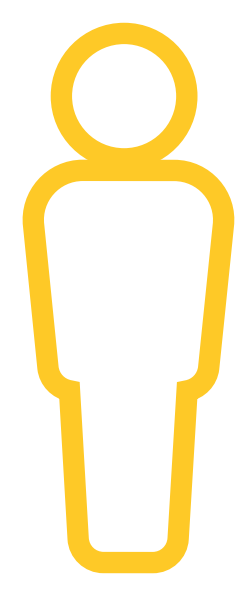
FOOD WASTE



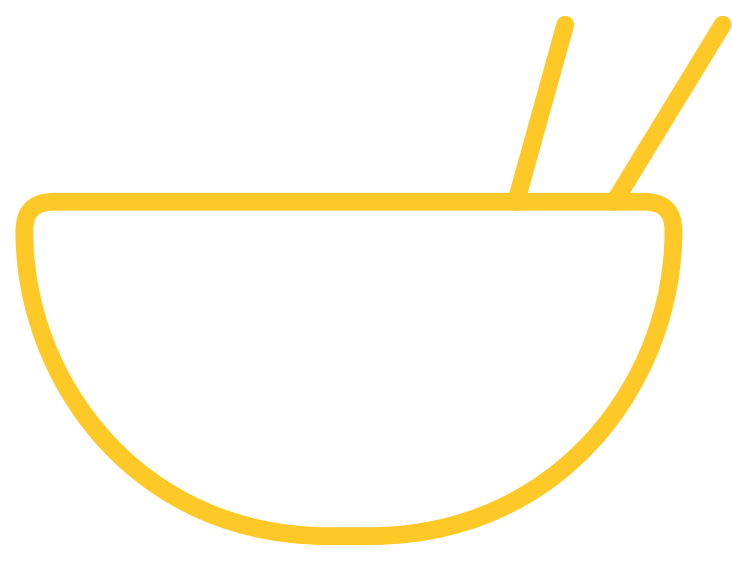
THIS
EQUALS



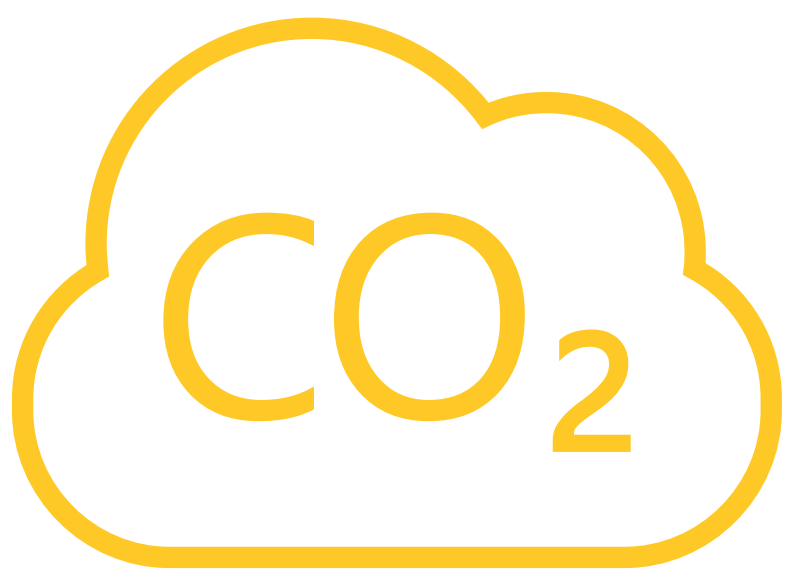
88 MILLION
TONNES IN EUROPE
EVERY YEAR



173 KG
PER PERSON



ENOUGH TO FEED
48.9 MILLION
PEOPLE FOR A DAY

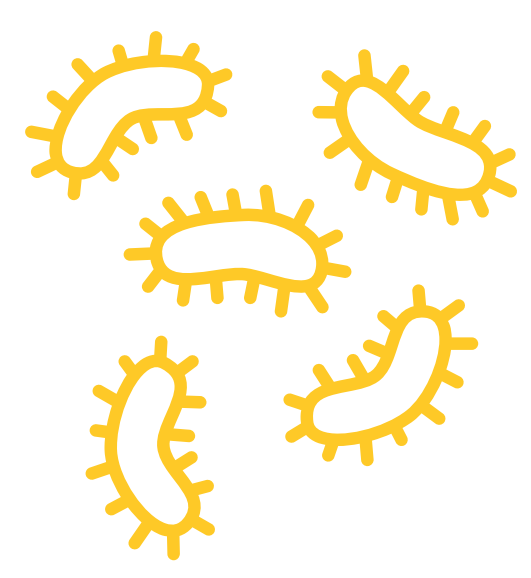


170 MILLION
TONNES OF
CO₂ EMISSIONS

FOOD IS WASTED EVERYWHERE:



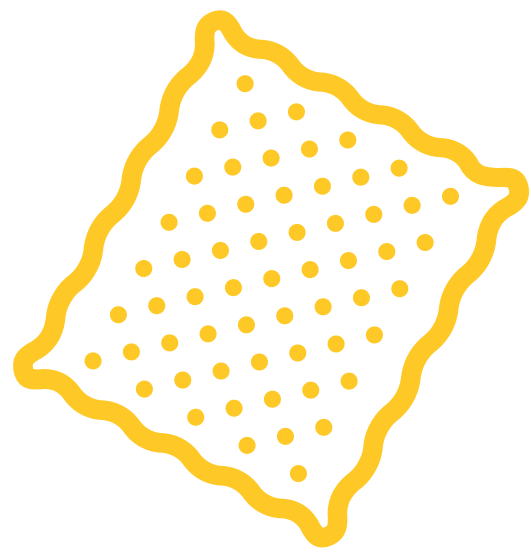
HOW ACTIVE & INTELLIGENT PACKAGING CAN HELP:



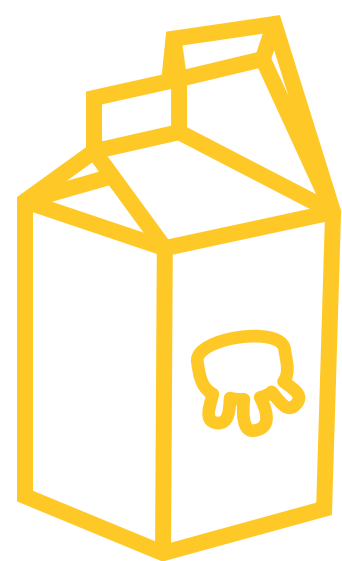
REDUCE GROWTH OF
MICRO-ORGANISMS THAT
CAUSE FOOD SPOILAGE



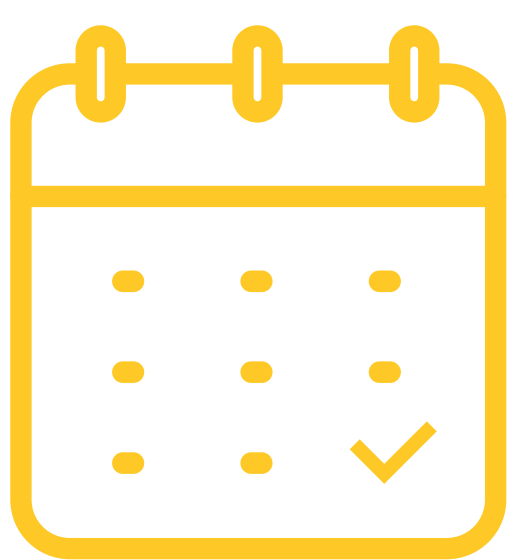
SLOW DOWN RIPENING
PROCESSES TO MAKE
PRODUCTS LAST LONGER



PREVENT PRODUCTS FROM
GETTING SOGGY OR RANCID TO
MAINTAIN TASTE & APPEARANCE



MAINTAIN QUALITY & FRESHNESS
AFTER THE PACKAGING HAS BEEN
OPENED (SECOND SHELF-LIFE)



EXTEND PRODUCT
SHELF-LIFE



DETERMINE REMAINING
SHELF-LIFE MORE
ACCURATELY AND REAL-TIME



COMMUNICATE MORE
CLEARLY ABOUT PRODUCT
QUALITY & SHELF-LIFE

This infographic was developed by Anouk Dantuma as part of COST Action FP1405 ActInPak. ActInPak aims to identify and overcome the key technical, social, economic and legislative barriers to a successful deployment of renewable fibre-based functional packaging solutions such as active and intelligent packaging. For more information please visit www.actinpak.eu
Acknowledgement: ActInPak is supported by COST (European Cooperation in Science and Technology). COST is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation. www.cost.eu
Sources: Eurobarometer, EPRS, FAO.