



ACTIVE AND INTELLIGENT PACKAGING
STARTER PACK

quick guide to the right solution



Active and Intelligent Packaging Starter Pack is a quick guide designed to make your selection of the right solution easier.

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March 2019

It is designed as a thinking path, which starts with a question “What do I need?” and ends with possible active and intelligent solutions.

This is an interactive document, which will lead you to the desired destination. Click on the desired icon to go to the next step.

Follow the path and improve your packaging!

- your ActInPak

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HAVE YOU SEEN THESE ALREADY?

We have already published several publications regarding active and intelligent packaging. If you have not seen them yet, here are some links to the files.

LEAFLETS

- Active packaging
- Intelligent packaging
- Legislation
- Sustainability

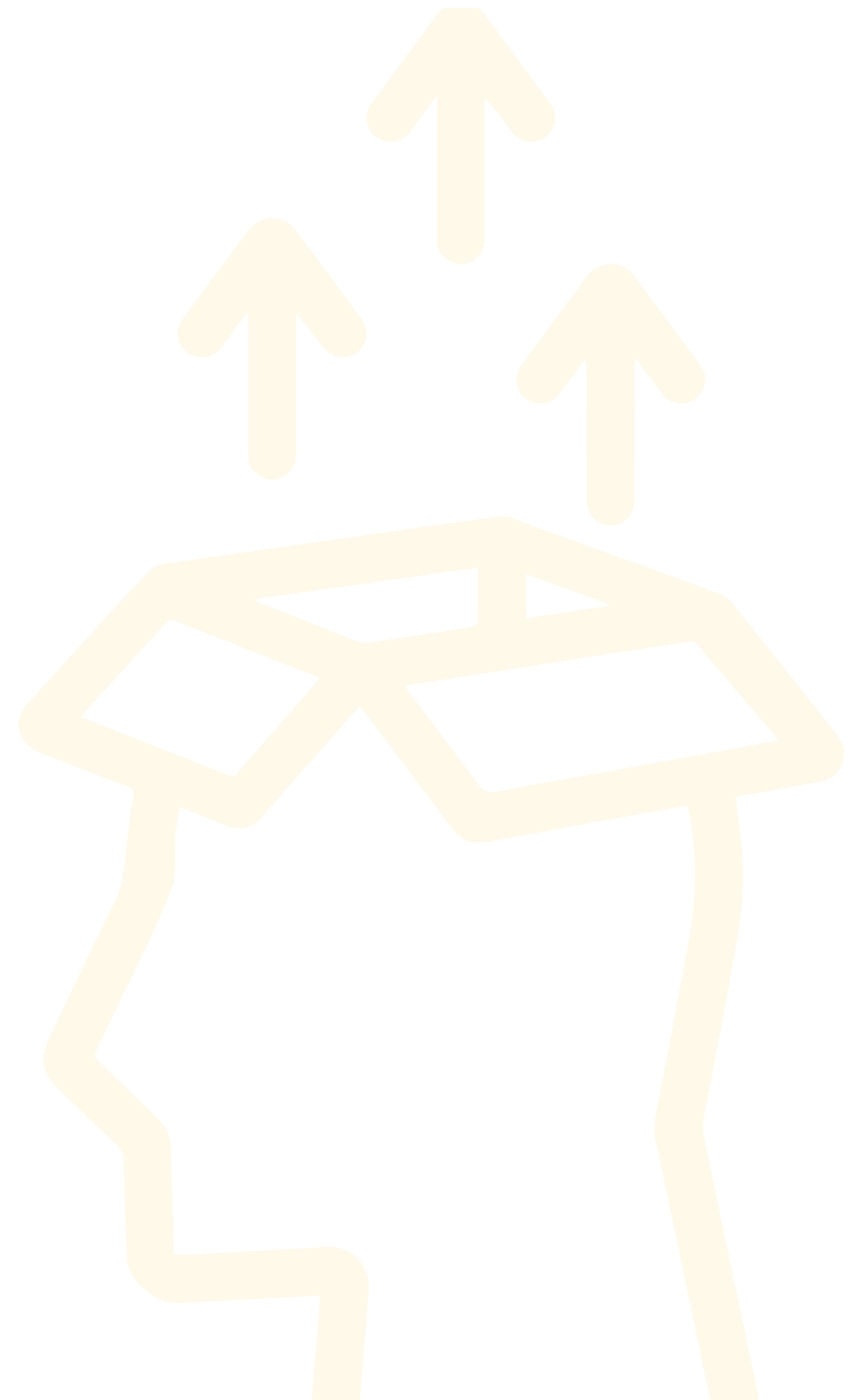
ROADMAPS

- General
- Technological
- Socio-economic
- Sustainability

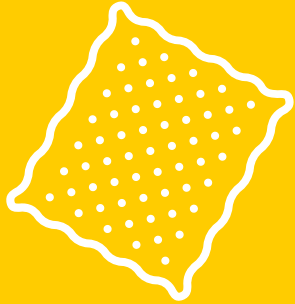
INFOGRAPHICS

- Food waste infographic
- Food safety infographic
- LCA infographic

go to other publications...



WHAT DO YOU NEED?



ACTIVE PACKAGING

- Reduced growth of micro-organisms
- Slow down ripening process
- Colour control
- Odour control
- Aroma control
- Flavour control
- Reduce need for additives and preservatives in the food



INTELLIGENT PACKAGING

- Involve customer in brand
- Product traceability
- Monitoring of storage time
- Monitor cold chain
- Communicate about product quality
- Communicate about freshness
- Determine remaining shelf life accurately and real-time
- Give information about second shelf life
- Guarantee authenticity



ACTIVE PACKAGING



CONTACT BASED



RELEASE OF SUBSTANCES



REMOVAL OF SUBSTANCES



ACTIVE PACKAGING

CONTACT BASED





RELEASE OF SUBSTANCES



ANTIOXIDANT EMITTERS

no example





REMOVAL OF SUBSTANCES



INTELLIGENT PACKAGING



INDICATORS



SENSORS



INTERACTIVE & AUGMENTED REALITY





INDICATORS





SENSORS



BIOSENSORS (PATHOGENS)

no example





INTERACTIVE & AUGMENTED REALITY





COST FP1405 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. Currently, 43 countries are involved in the network, with participants representing 209 academic institutions, 35 technical centers, and 83 industrial partners.

For more information, please visit the ActInPak website: www.actinpak.eu

COST (European Cooperation in Science and Technology) 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

