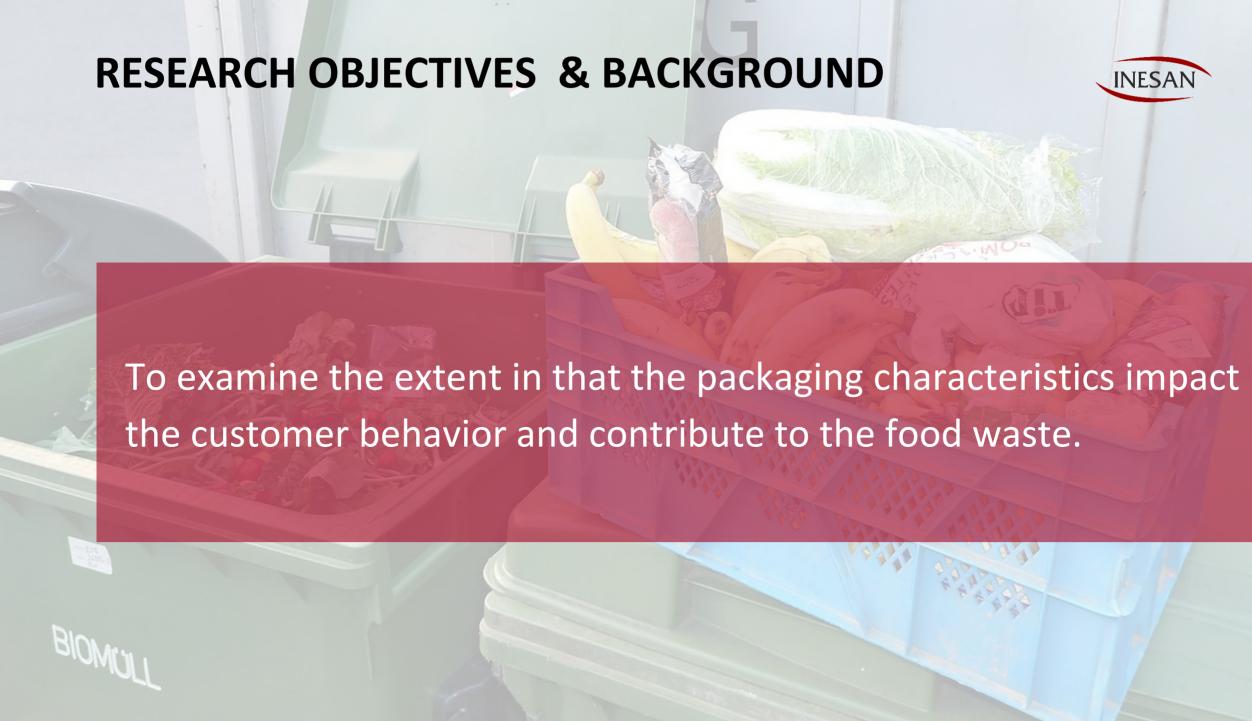


# HOW DOES PACKAGING HELP CONSUMERS TO REDUCE THE QUANTITY OF FOOD WASTE?

JIŘÍ REMR

May 2022



## **METHODOLOGY**



Sample size: 1.218 cases

Sampling technique: quota

Timing: February & March 2022

Response rate: 56 %

Definition of the population: 18–74 years

Unit of the analysis: individuals

Mode of data collection: face-to-face interviews



#### **FUNCTIONS OF PACKAGING**



- To protect the product (a content)
  - To enable easy-manipulation
    - To inform the customers
    - To promote the product (a brand)
  - To decrease the environmental impact
- To make the consumption convenient

## CONSUMPTION CHARACTERISTICS OF THE PACKAGING

- □ Easy to split
  □
- Understandable storage information
- □ Adequate size



## **FOOD WASTE BACKGROUND**



**Declared behavior** 

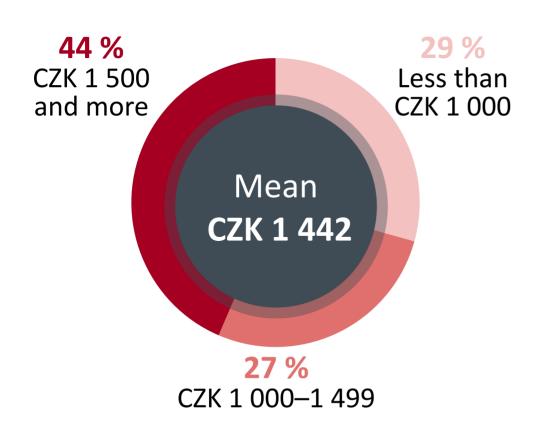
Attitudes toward food waste

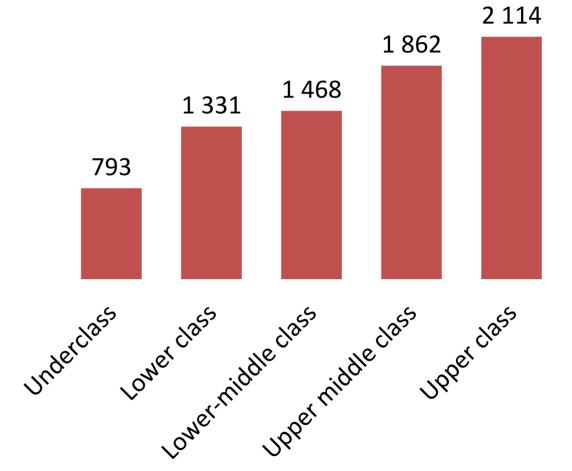
Perceived importance of food waste

# HOUSEHOLD SPENDING ON FOOD (WEEKLY AVERAGE)



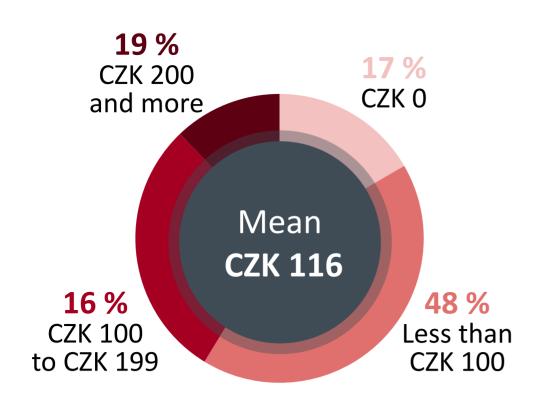


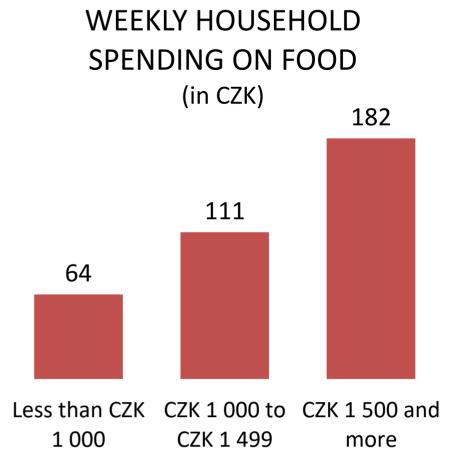




# ESTIMATED VALUE OF FOOD WASTE (HOUSEHOLD WEEKLY AMOUNT)





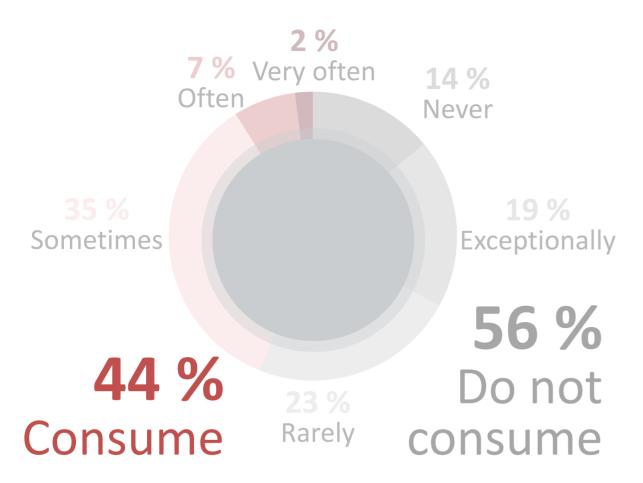


## **FOOD WASTE BACKGROUND**

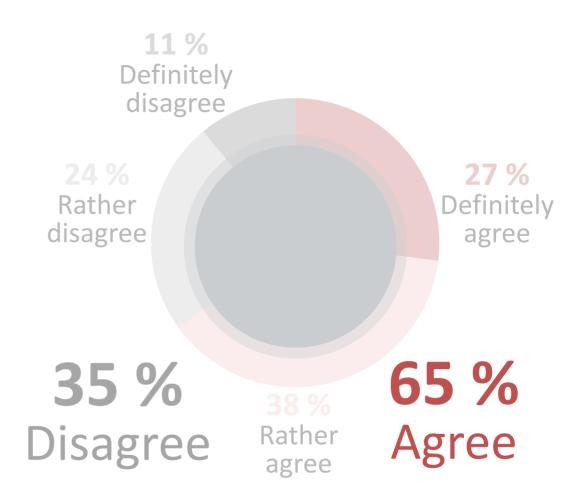




## "I CONSUME EVEN BEYOND THE EXPIRATION DATE IF THE FOOD STILL LOOKS GOOD."



## "FOOD WASTE IS NOT A PROBLEM BECAUSE MOST OF IT IS BIODEGRADABLE."



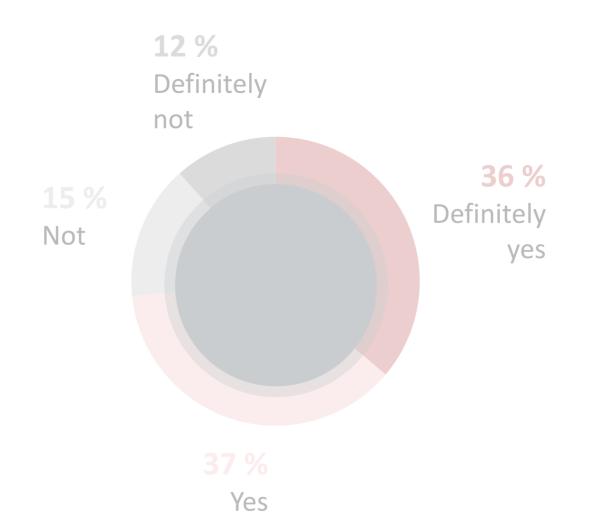
# INTEREST IN INFORMATION ON PROPER FOOD STORAGE



73 %

Yes





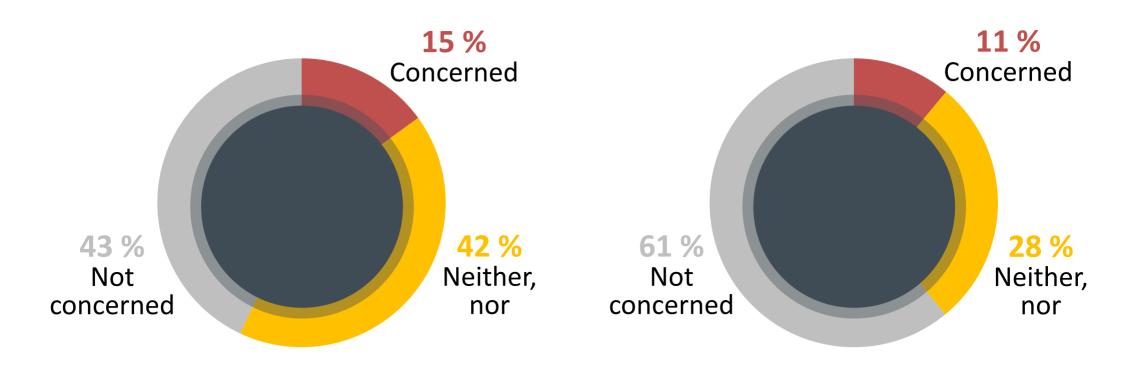
## **FOOD WASTE BACKGROUND**



Declared behavior Food waste attitudes **Perceived importance** 

## **CONCERNS ABOUT FOOD WASTE**

## CONCERNS ABOUT EXCESSIVE PACKAGING

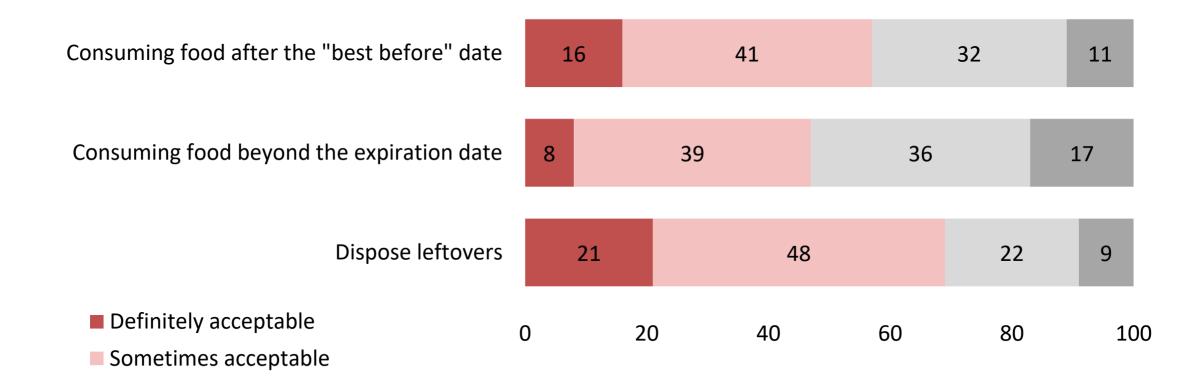


### BEHAVIORAL PATTERNS TOLERANCE

■ Exceptionally acceptable; depends on the circumstances

■ Definitely unacceptable in all circumstances

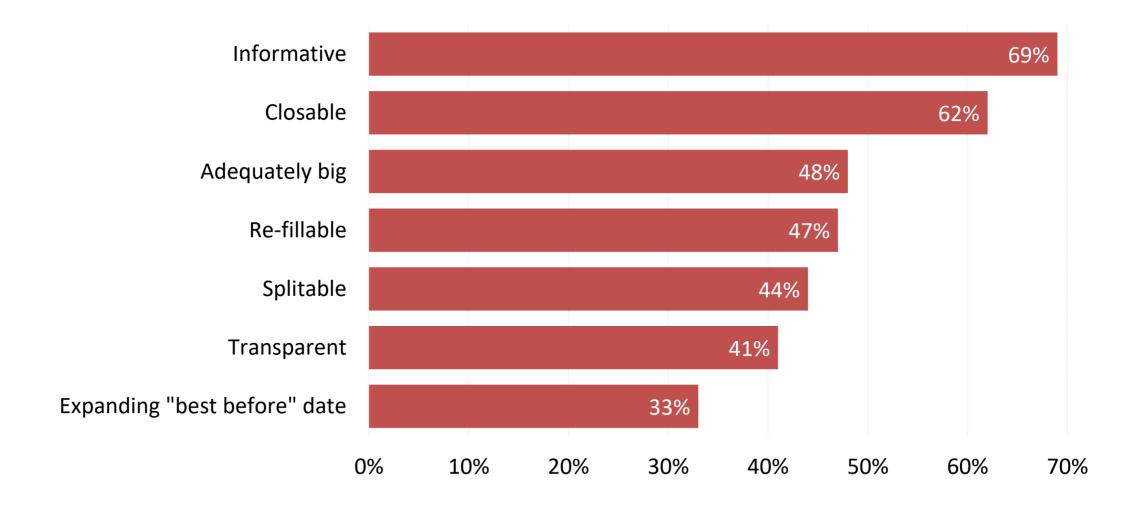






## **EVALUATION OF PACKAGING CHARACTERISTICS**





# SPONTANEOUSLY MENTIONED REASONS FOR PACKAGING-RELATED FOOD WASTE



28 % cannot be re-closed/re-opened

17 % difficult to empty

12 % negative impact on taste

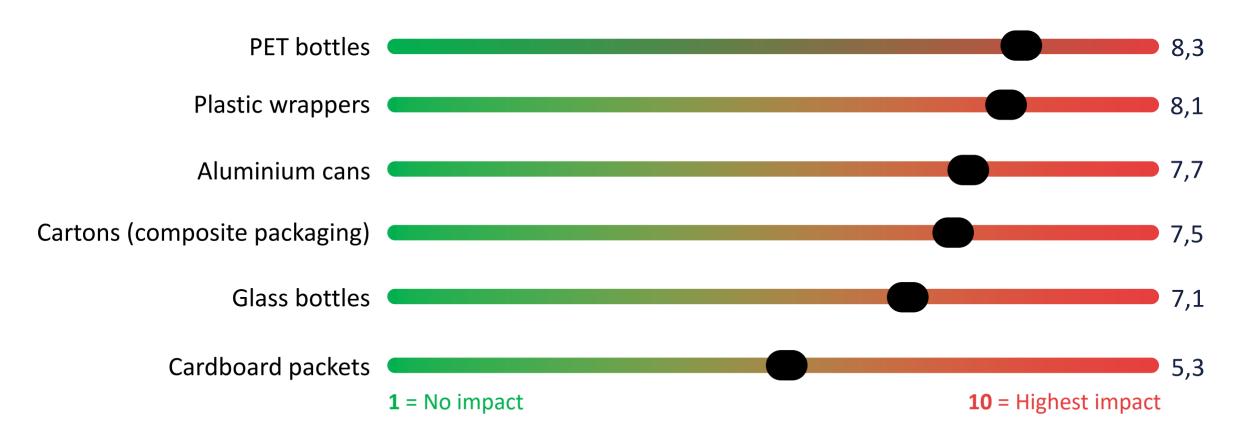
8 % inappropriate size

5 % content cannot be monitored



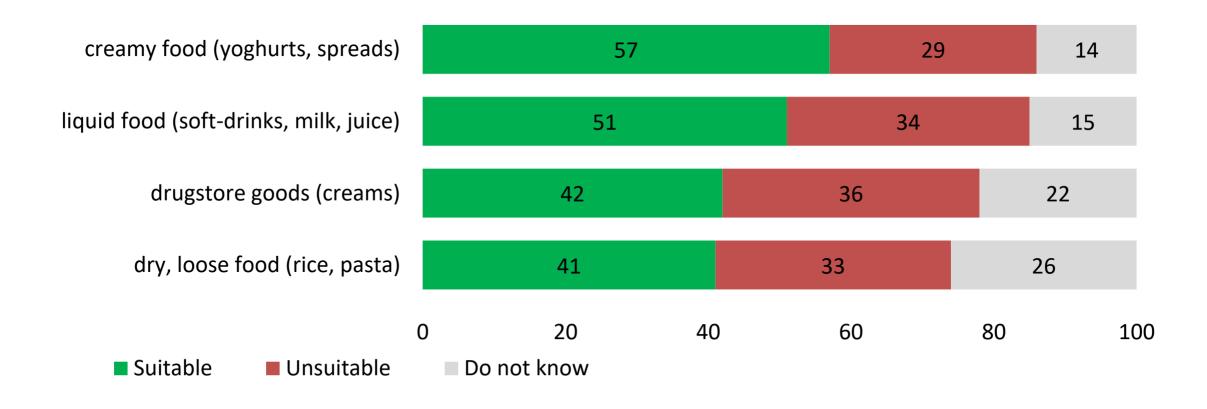
# PERCEIVED NEGATIVE IMPACT OF SELECTED PACKAGES ON THE ENVIRONMENT



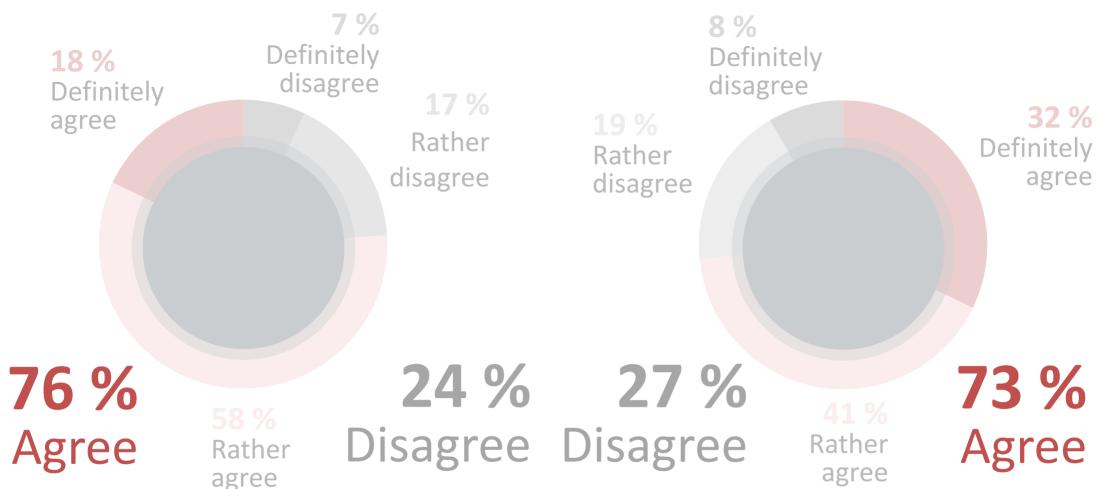


# PERCEIVED SUITABILITY OF PLASTIC PACKAGES FOR SELECTED PRODUCTS





## "STORING FOOD IN THE **ORIGINAL PACKAGE KEEPS IT** FRESH FOR A LONGER TIME."



"PACKAGING HELPS TO

**REDUCE THE AMOUNT OF** 

**WASTED FOOD.**"

32 %

agree



#### **CONCLUSIONS**



1 Packaging characteristics are an important determinants of the food waste.

Most of the customers agreed that packaging may help to reduce the food waste.

Plastic packaging is believed to have an negative impact on the environment however, it is perceived as convenient, reusable and easily recyclabe.

Consumers require additional information on the packages.

## **DISCUSSION & LIMITATIONS**



- 01
- Reported (declared) behavior might be biased

Respondents did not properly distinguished total food waste from packaged-food waste

Structural background and behavioral patterns of households are important

