

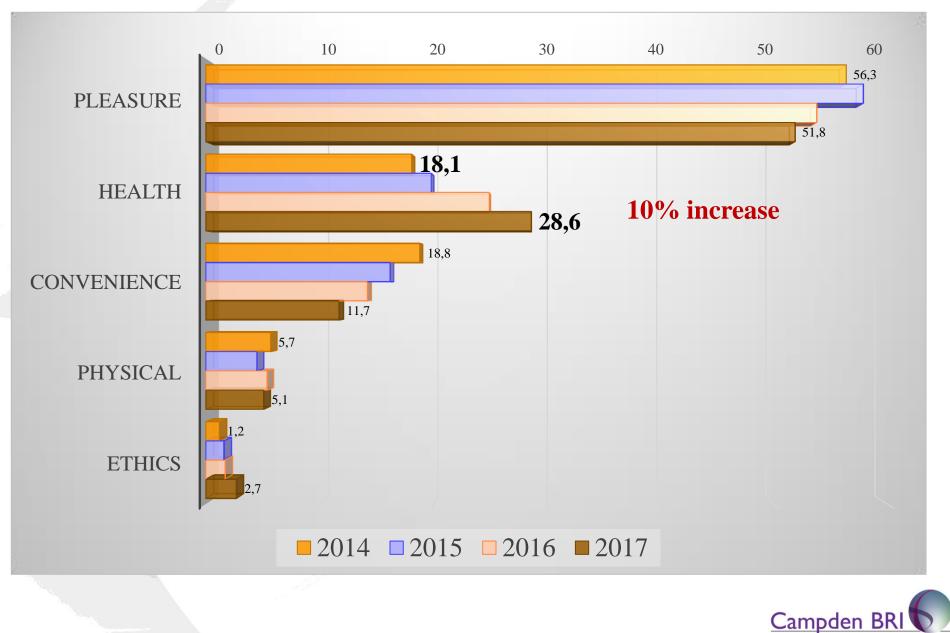
Transformation of food trends into practice

Zsófia Kertész Campden BRI Magyarország Nonprofit

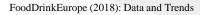
SRIP Food Conference Ljubljana, Slovenia 29th November 2018

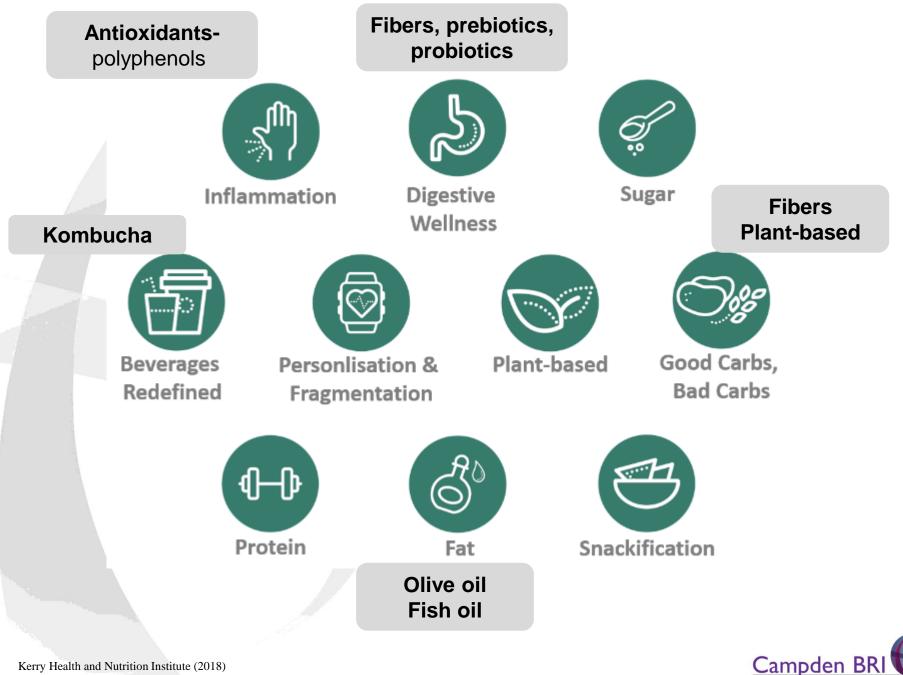


MAIN DRIVERS OF INNOVATION



food and drink innovation





food and drink innovation



Adding, reducing, or removing the concentration of certain ingredients have an effect on the sensory attributes of the product!

- AppearanceTaste
 - Texture



Enriching pancakes in anthocyanins (AC)

- -PATHWAY-27 FP7 project
- -polyphenol
- anti-inflammatory, antioxidant and antimicrobial effects

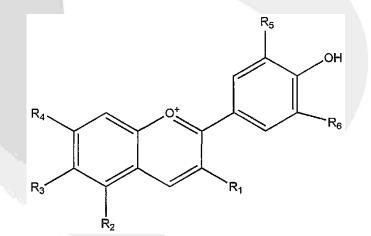


FHWAY-27

INDUSTRY GUIDELINES AND RECOMMENDATIONS FOR DEVELOPING PRODUCTS WITH HEALTH CLAIMS











Unusual appearance

Are the consumers are willing to buy such unique products (repeatedly)?



Unusual taste: anise





It is essential to involve consumers into the product development!

Let's have a consumer test!

Who to ask?
How to recruit them?
How to ask them?
Where to ask them?
Who will do it?







To have a sufficent consumer test

- Target group
- Staff
- Appropriate method
- Understanding of the results
- Facility









ADVANCED SENSORY AND CONSUMERS METHODS

✓ Product mapping✓ Penalty analysis

To understand the product attributes better

Mapping the emotionsAuthenticity test

To map the emotions towards the product

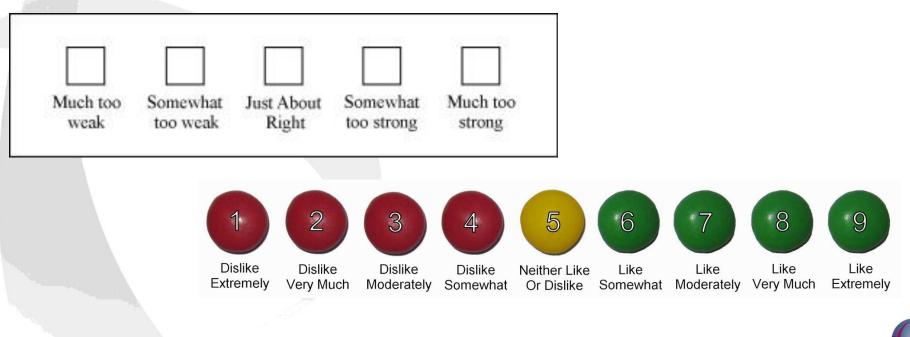
✓ Situation test✓ Drinkability test

Environment ↔perception of the product



PENALTY ANALYSIS (PA)

- PA provides a prioritized list of critical product characteristics that are most-penalizing product performance
- JAR scale and 9 point hedonic scale
- Graphical presentation of the results

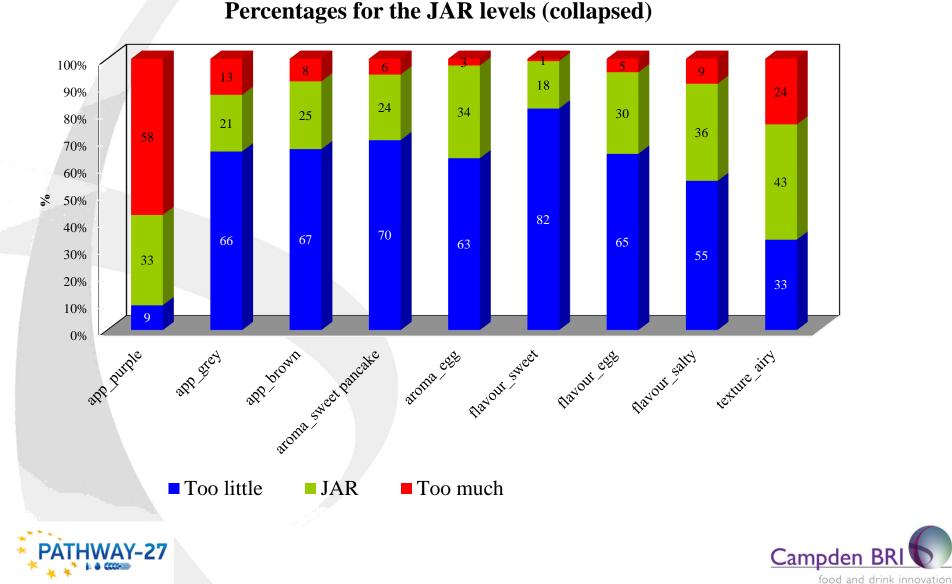


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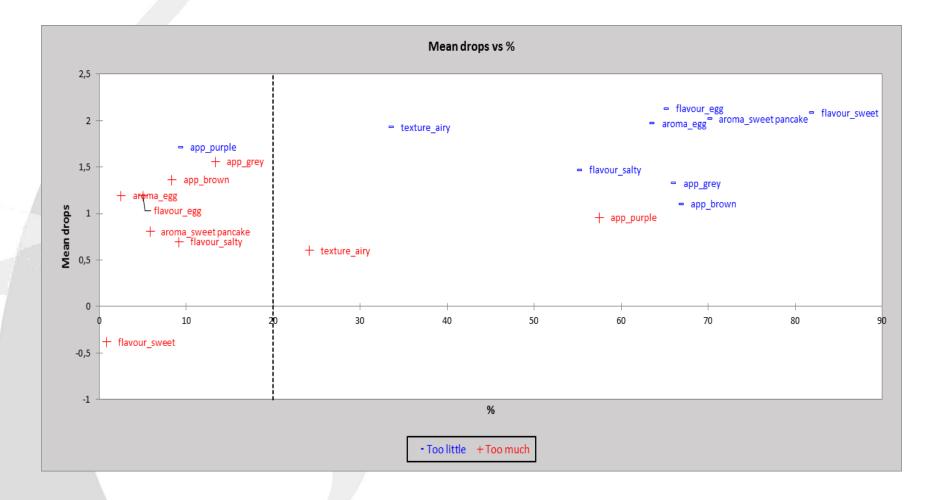
food and drink innovation

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PENALTY ANALYSIS OF PANCAKE WITH AC (1)



PENALTY ANALYSIS OF PANCAKE WITH AC (2)







MAPPING THE EMOTIONS

EsSense ProfileTM



✓ Does happiness lead to eating?

✓ Does eating lead to happiness?

Measuring emotions in food product experience

Overall acceptability (9 point scale)+ Emotion terms (5 point scale)

Active	Glad	Pleasant	
Adventurous	Good	Polite	
Affectionate	Good-natured	Quiet	
Aggressive	Guilty	Satisfied	
Bored	Нарру	Secure	
Calm	Interested	Steady	
Daring	Joyful	Tame	
Disgusted	Loving	Tender	
Eager	Merry	Understanding	
Energetic	Mild	Warm	
Enthusiastic	Nostalgic	Whole	
Free	Peaceful	Wild	
Friendly	Pleased	Worried	



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SITUATION TESTS

• Liking of products in different environment



Special test facility







SMES IN THE WORLD OF SENSORY AND CONSUMER ANALYSIS

- Each company has its own method to evaluate its product
- The consumers' involvement is more difficult
 - Lack of staff
 - Lack of facility
 - Lack of time to get familiar with the new methods

INCluSilver H2020 project I-CON Interreg project







Target group: people over 50

Identified key attributes in a product:

- Texture
- Easy to open packaging

SilverBread

Reduced salt content, New type of packaging

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GreenBurger: burger made from QF vegetables







To improve entrepreneurial competences and skills in Central Europe through food innovation potentials in the areas of:

- Food safety, quality and labelling
- Mechatronics
- Food packaging design



Improving Competences and skills through Food sector InNovations CE393



Transnational Mentor Scheme

- Help to identify the gaps within the operation of the companies
- Presenting Good Practices
- Helping to SMEs to get in touch with solution providers
- Help to implement that solution

FoodMentorScheme BestPractices Improving Germany Hungary Biotechnology Competences Slovakia Innovation CrowdDesignPlatform Italy Poland Mechatronics SMEs Technology Cross Sectoral Food FoodSafety Austria Packaging Cooperation Slovenia Design EntrepreneurialSkills ERDF



Improving Competences and skills through Food sector InNovations CE393

https://www.interreg-central.eu/Content.Node/I-CON.html







Food sector related knowledge integration



Food sector related knowledge integration



Food sector related knowledge integration





Improving Competences and skills through Food sector InNovations/CE39

ATLAS Mapping tool



• Find facilitators, service provider

http://www.p-tech.si/icon-mapping/

Organizations Projects	Funding schemes CDP	labelling tool	Good practices and solutions Facilitators
Search		Ţ,×	Den Haag Den Haag Belgie / Westfolen Belgie / Köln Cy
Title	Organization	Country	Belgien Frankfurt am Main Cesko Кraków Житомиро Київ
Food safety consultation: Food safety (C1 4.1.2.)	Chamber of Commerce and Industry of Slovenia, Chamber of Agricultural and Food Enterprises (CCIS-CAFE)	Slovenia	Paris Baden- Wurt Slovensko Wien Slovensko Staterreich
Food quality and labelling consultation (C1 4.1.20.)	Chamber of Commerce and Industry of Slovenia, Chamber of Agricultural and Food Enterprises (CCIS-CAFE)	Slovenia	France Suisse/Svizzera Graz Magyarország Svizze Svizzera Graz Cluj-Napoca Cluj-Napoca Auvergne- Rhône- Alpes Torino Venezia Slovenija Timişoara România Galati o Goacme Goacme Goacme Goacme Goacme Goacme Goacme Goacme
A sustainable network in food safety (B 3.1.1.)	Chamber of Commerce and Industry of Slovenia, Chamber of Agricultural and Food Enterprises (CCIS-CAFE)	Slovenia	Alpes Vorino Genova Città di San Sarajevo Србија Constanța Occitanie Marseille Italia Сгла Gora / София © България Norra Vella Ronga Ronga Barr Laffet © OpenStreetMap contributors 2017 Atlas Mapping To



Improving Competences and skills through Food sector InNovations CE393

THE I-CON CONSORTIUM



Slovenia

- Pomurje Technology Park
- Chamber of Agricultural and Food Enterprises

Austria

Business Upper Austria

Hungary

- Campden BRI Hungary Ltd
- South Transdanubian Regional Innovation Agency

Italy

- CNA National Confederation of Crafts and Small and Medium Sized businesses
 Regional Association of Emilia Romagna
- Industry Association Service & Training of Treviso
 - and Pordenone



Germany

University of Hohenheim

Poland

Polish Chamber of Food Industry and Packaging

Slovakia

Slovak Chamber of Commerce and Industry





Micro-company in Hungary developed a snack type of product with high added value ("superfood")

- Used the by-product of the their main product
- The composition of the product: protein, fiber and fat
- No CH





Improving Competences and skills through Food sector InNovations CE393



- Product has a short shelf life, it becomes rancid.
- Product specific sensory analysis training for the staff
- Validation of the shelf-life
- Consumers' acceptability
- Long- term: Design of a larger scale production



I-CON INTERREG PROJECT



Website http://www.interreg-central.eu/Content.Node/I-CON.html

Facebook <u>https://www.facebook.com/iconproject.InterregCE/</u>





Improving Competences and skills through Food sector InNovations CE393



Thank you very much for your attention!

Zsófia Kertész (z.kertesz@campdenkht.com) Campden BRI Magyarország Nonprofit Kft



Campden BRI Magyarország

