



Overview of existing and proposed FOP schemes, including literature review of research regarding the development of the schemes, their impact on consumers and other effects

Joint meeting on front-of-pack nutrition labelling between Working Group of the Standing Committee on Plants, Animals, Food and Feed - Regulation (EU) No 1169/2011 on the provision of food information to consumers (FIC) & Advisory Group on the Food chain, Animal and Plant Health,

Brussels, 23 April 2018



### Outline

- Background
- JRC study objectives
- Overview of FOP schemes
- Study outline/approach to 'Effects of FOP schemes on consumer understanding and behaviour'
- Discussion



### Background

- Commission report on the use of additional forms of expression and presentation, their effect on the internal market, and the advisability of further harmonisation in this field (-> Regulation (EU) No 1169/2011)
- The report will take a broad perspective on the provision of simplified nutrition information to consumers, including schemes that strictly speaking would not fall under Article 35 and can legally be considered as "voluntary information" or "nutrition claims".



### JRC study – objectives and scope

- To conduct a literature review and gather further information on:
  - FOP nutrition labelling systems, their features and their use
  - Consumer understanding and consumer behaviour
  - Public health benefits
  - Other potential intended or unintended effects or impacts of the introduction of FOP schemes
- To identify knowledge gaps



## Preliminary overview of FOP schemes

FRONT-OF-F	ACK NUTRITION LABELLING				
	SCHEMES				
	rrent, proposed, experimental) odex survev. REFIT. NOURISHING				
Country	FOP scheme name and reference	What does the scheme look like on pack? (provide a picture if possible)	Implemented (using) or proposed	Voluntary or Mandatory	Developer/own (government, state the nature
			Has the scheme already been implemented or is it a proposal for introduction?	Is the label use voluntary or mandatory?	
Schemes used	। d in several European count	ries			
EU	Reference lataker [RI] (formerly Guideller Daily Amounts (GDA)) http://www.referenceintakes.eu/understanding-label.html	OR OR OR OR OR OR	Implemented	Voluntary	Industry (CIAA, the Confede Industries of the EU the lead in 2006 in a nutrition labelling so apply it on a volunts
EU	Evolved Nutrition Label https://evolvednutritionlabel.eu/	To a person this current  The person this curr	Proposed	Voluntary	Industry (Initiative of initially companies)
Belgium, Czech Republic, Poland, (Netherlands)	Choices logo https://www.choicesprogramm.org/ Legal reference (ooly NL) Decree of the Minister of Health, Welfare and Sport of 8 April 2013, 10575-10400 VGP, approving the Vinkje of food choice logo and its conditions of see https://rock.or/forlidebedendamkings.nd/tert-2013- Decree of the Minister of Health, Velfare and Sport of 16 March 2018, 30144-14803-VGP, creating the approval of the Vinkje as food choice logo and its conditions of use https://rock.or/ficelebedendamkings.nd/tert-2018- https://rock.or/ficelebedendamkings.nd/tert-2016- https://rock.or/ficelebedendamkings.nd/tert-2016- https://www.rov- ministerial communication on plassing out of Choicese logo in NL (in Druch: Meddedling Statescurrant Vinkje (Dov/VDEL 27 dobote 2017)) https://www.rov- ministerial communication on plassing out of Choicese logo in NL (in Druch: Meddedling Statescurrant Vinkje (Dov/VDEL 27 dobote 2017))		Implemented (but being placed out in the (but being placed out in the (but being place 2018, planned to be expliced by an app)	Voluntary	Industry (Unilever/Friesland
Sweden, Denmark, Iceland and Norway, Lithuania, Macedonia	Nordis Csybele http://www.aordin.org/einhews-sad- eventribewe/fleyhole-milestone Legal reference Dr. 1 June 2009, Sweden, Denmark, and Norway amounced that the Keyhole is a joint Nordic Ibbelling http://mordic.html http://	<b>%</b>	Implemented	Voluntary	Government (Swedish National

2	Country	FOP scheme name and reference	What does the scheme look like on pack? (provide a picture if possible)	Implemented (using) or proposed	Voluntary or Mandatory	Developer/owner of (government, indu- state the nature of	
2				Has the scheme already been implemented or is it a proposal for introduction?	Is the label use roluntary or mandatory?		
10	Croatia	"Healthy Living" (livjeti adravo) Guarantee Mark Based on Choices logo system, but with more or less different criteria, land land the control of the contro	ZIVIETI	Implemented	Voluntary	Government (Croation Institute of Put Health)	
10	France	Matri-Sora. Matri-Sora. Mapp://www.snatepubliquefrance.fr/Sante-publique-France/flutri-Sora. Legal reference. Legal reference. Arrièc du 31 octobre 2017 fizzant la forme de présentation complémentaire à la décharation natritionantle complémentaire à la décharation natritionantle complémentaire à la décharation matritionantle complémentaire à la décharation matritionant le complémentaire à la décharation des articles L. 3232. Altipolitere de la décharation par la décharation des articles L. 3232. Altipolitere de la décharation de	A B D E	implemented	Voluntary	Government	
11	Finland	Heart logo https://www.sydanmerkki.fi/en		Implemented	Voluntary	Public Health Body, endo	
12	Malta	Traffic Light labelling (to be checked further)					
	Haka	Retailer scheme AH krul for meat products with improved	AV.	Implemented	Voluntary	Industry (producers; retailers etc.	
13	Netherlands	nutritional composition (reduced content of salt, sugar, unnecessary E numbers and artificial additives; possibly even complete removal)	Street Color				
	Netherlands Poland	unnecessary E numbers and artificial additives; possibly	Steeds con				



### Preliminary overview of FOP schemes

This preliminary overview forms the basis for:

- A further in-depth analysis and review
- Gathering information on consumer understanding/behaviour, public health benefits, other (un)intended effects and impacts
- -> Please tell us if you identify:
- Any incorrect information
- Any missing FOP scheme or key information



## Preliminary overview of FOP schemes

Column	Variable	Column	Variable
A	Country	J	Information focus (nutrient-specific / summary indicator / food group)
В	FOP scheme name and reference	K	Reference base (100 g, portion, etc)
C	What does the scheme look like on pack?	L	Nutrients and other elements displayed
D	Implemented (using) or proposed	M	Nutrients and other elements used in nutrient profile model
Е	Voluntary or Mandatory	N	Scope products
F	Developer/owner of the scheme	O	Adaptations for food groups
G	References to research that informed the development of the scheme	P	Exempted products
Н	Is the scheme evaluative / interpretive or reductive?	Q	Monitoring / Evaluation
I	Message tone positive / neutral / negative		



### Examples of possible database queries 1/3



FOP Scheme developer / owner

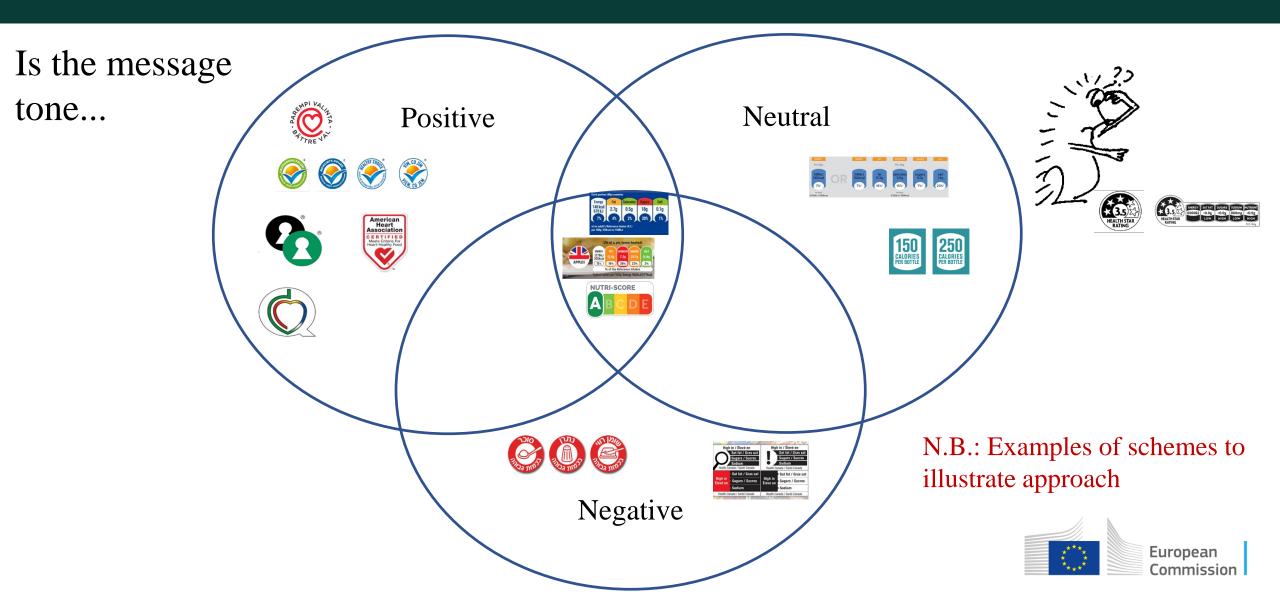




N.B.: Examples of schemes to illustrate approach

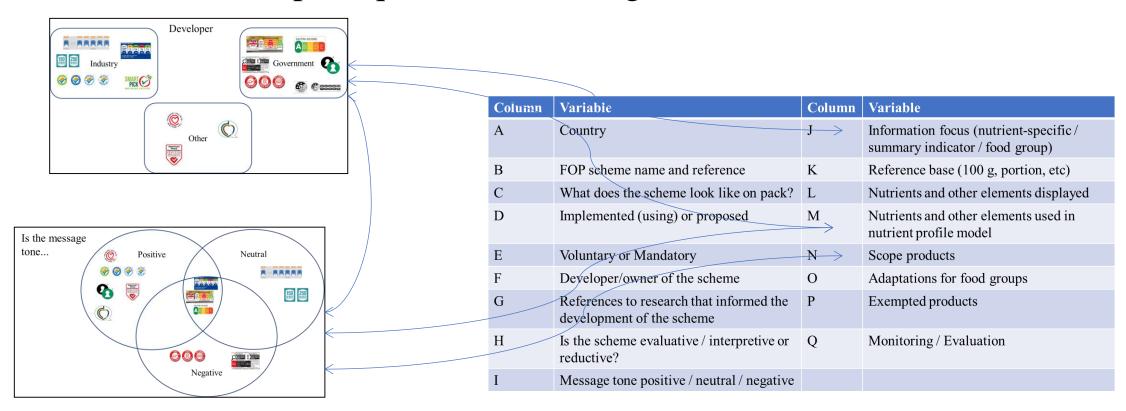


### Examples of possible database queries 2/3



### Examples of possible database queries 3/3

### More complex queries combining variables





### JRC study – objectives and scope

- To conduct a literature review and gather further information on:
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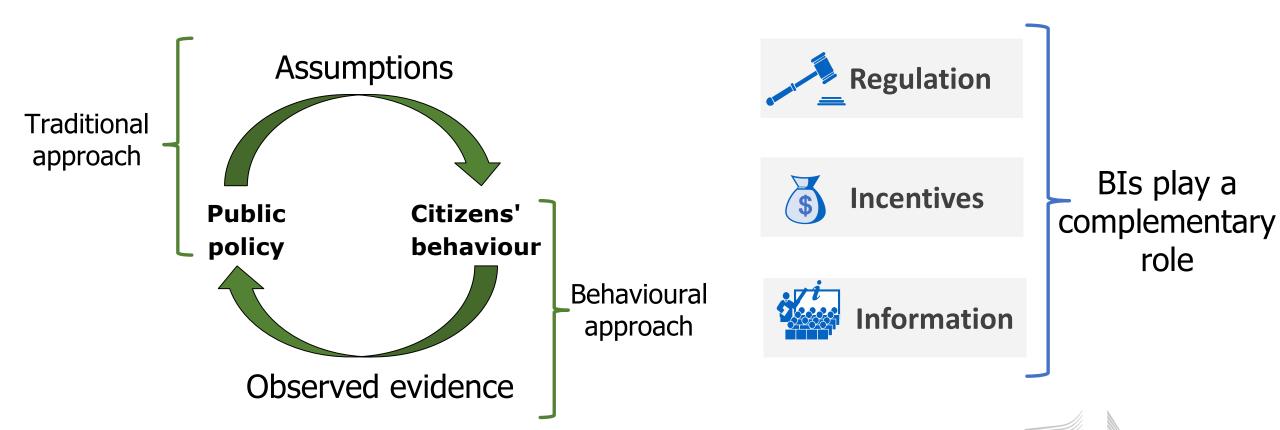






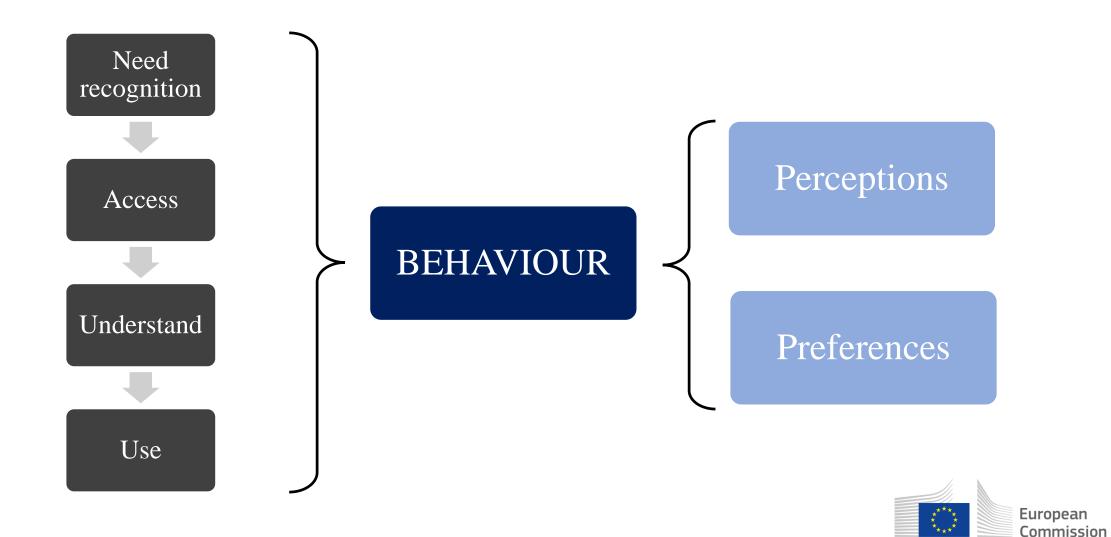
### The role of Behavioural Insights (BIs)

BIs inform policy-making by shedding light on how people *really* behave.



European

### Consumer decision-making process



### Just an average consumer?

### **AVERAGE CONSUMER:**

reasonably well informed and reasonably observant and circumspect

### **Observed differences by (among others):**

- 1. Age and gender;
- 2. BMI;
- 3. Ethnicity;
- 4. Estimated risk of poor dietary choices;
- 5. Countries (and familiarity with a given labelling system);

The beh lit review will shed light on these relevant differences



### Examples of impact of other labels on Supply Side

What about the impact of FOP labelling systems on industry reformulation of food products?

#### RESEARCH ARTICLE

HEALTH AFFAIRS > VOL. 34. NO. 11 : FOOD & HEALTH

Restaurants With Calories Displayed On Menus Had Lower Calorie Counts Compared To Restaurants Without Such Labels

Sara N. Bleich<sup>1</sup>, Julia A. Wolfson<sup>2</sup>, Marian P. Jarlenski<sup>3</sup>, and Jason P. Block<sup>4</sup> AFFILIATIONS

PUBLISHED: NOVEMBER 2015 No Access

https://doi.org/10.1377/hlthaff.2015.0512

EPC requirement was in effect. We conclude that there is a supply-side response to energy-efficiency labels.

David Comerford & Ian Lange & Mirko Moro, 2016. "The Supply-side Effects of Energy Efficiency Labels," Working Papers 2016-01, Colorado School of Mines, Division of Economics and Business.

# Studies: Putting calories on menus affects restaurants more than consumers

Hadley Malcolm, USA TODAY

Published 4:16 p.m. ET Nov. 2, 2015 | Updated 4:39 p.m. ET Nov. 2, 2015



### The case of energy labelling

### EU: efficiency classes of refrigerator sales

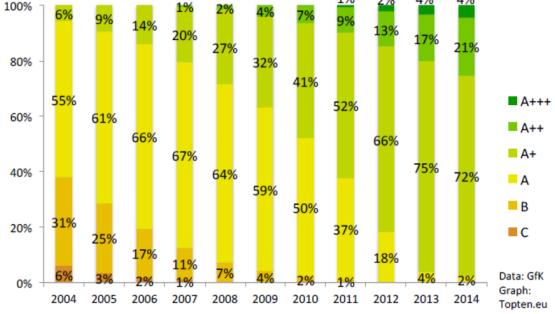


Figure 3a: Transformation of the EU Market for refrigerators

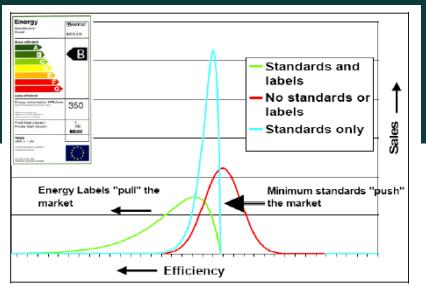


Figure 2: The combined effect of ecodesign ('minimum standards') and energy labels

#### EU: efficiency classes of washing machine sales

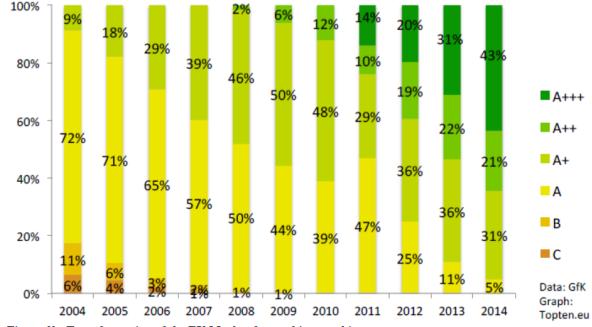


Figure 3b: Transformation of the EU Market for washing machines

### Approach for the behavioural literature review

#### **Sources:**

- 1. Scientific Articles (PubMed Platform)
- 2. Relevant grey literature

#### **Keywords:**

- 1. Front of Package Labelling
- 2. Front of Pack Labelling

#### **Selection and exclusion:**

- 1. Title and abstracts are screened, excluded if either
  - a) Did not mention relevant research, or
  - b) Made neither reference to consumer use nor to the impact on producers.



# Appetiser (an extensive beh literature exists)

N	Authors	Review	Year	Approach	Sample size	Country(ies)	Main results
1	Hawley et al	Public Health Nutrition	2012	Structured Review	28 studies (2004-2011)	Various	MTL works best
2	Kelly et al	Health Prom Int	2009	Survey + Experiments	790	Australia	TL label allowed the selection of the healthier food product
3	Borgmeier et al	BMC Pub Health	2009	2 Experiments	420	Germany	MTL highest % of correct choices + (clarity ≠ use)
4	Gorton et al	Public Health Nutrition	2009	Survey	1,525	New Zealand	STL and then MTL work best, MTL most preferred
5	Ducrot et al	Nutrients	2015	Surveys	15,420	France	5-CNL works best for adults at risk of poor dietary choices
6	Mejean et al	Public Health Nutrition	2012	Web-based questionnaire	38,763	France	MTL is most favoured
7	Watson et al	Appetite	2014	Web-based questionnaire	4,357	Australia	No individual scheme performed significantly better
8	Ductrot et al	A J of Prev Med	2016	Web-based questionnaire	11,981	France	5-CNL is effective in promoting overall healthier food choices in all population subgroups



