3 **Consumer archetypes** in future systems **The European Commission's** science and knowledge service Joint Research Centre

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European Commission



In "Tomorrow's healthy society: research priorities for foods and diets" EC, 2014



The EU consumer ...





Europear

- understands the general concepts of a healthy diet
- feels confident and well informed about food
- purchases taking into account predominantly food quality price and appearance (but also thinks of taste and pleasure)
- buys in supermarket, trend towards spending less time cooking at home and more time in out of home eating.





Future challenges and preparedness



Source: Eurostat, EUROPOP2008 convergence scenario







Population pyramid 2008 & 2060, Eurostat

Driver	"Global Food"	"Regional Food"	"Partnership Food"	"Pharma Food"
Global trade	Full liberalisation	Disrupted and fragmented	EU trade focus on the US & Canada	Full liberalisation
EU economic growth	Medium	Decoupled, GDP no longer used as indicator	Stagnation	High
Agro-food chain structure	Concentration	Diversification, alternative food chains	Concentration	Concentration
Technology uptake	High	High with focus on environmental sustainability	High	High with focus on nutrition & health
Social cohesion	Low	High	Limited to local community	High
Food values	Low	High with focus on local production & quality	Low	High with focus on nutrition & health
Climate change	2°C threshold of temperature increase will be reached by 2050			
Depletion of natural resources	Progressive natural resource depletion towards 2050			
World population growth	World population will increase to about 9 billion by 2050			



In "Delivering on Food safety and Nutrition in 2050", EC 2016

Scenario Pharma Food









Challenges Pharma food	Policy Options
Potential drawbacks of personalised nutrition and "phoods"	Adapt or create an effective regulatory framework Redefine health and nutrition claims
Ability to perform official food-related controls (e.g. prosumer)	Regulate "phood" manufacture by introducing a "Phood licence" Enhance post-market monitoring and "nutrivigilance" controls Expand third country controls
Suitability of current EU risk assessment for new food ingredients, food products and food-related technologies (inc. suitability of exposure data and maximum residue levels)	Deal with cumulative effects and long term exposure

Scenario: Global Food









Challenges Global Food	Policy options
Differences in the handling of food in 3rd countries & Ability to perform official food-related controls	(see report)
Increased sedentary behaviour & Diets based on highly processed foods and decreased availability of fresh produce	Fiscal measures -> food taxation or other (des)incentives Reformulation towards healthier food options Zoning & incentives for fresh food markets Standards for healthier options in public food procurement National and European actions on balanced diets and access to fresh produce (inc. education and provision of information)
Abundance of voluntary food information, increased opportunity for misleading information	Harmonisation of labelling at international level beyond language barriers

Scenario Regional Food







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Challenges Regional Food	Policy Options	
Greater reliance for food safety on individuals engaging in food production	Scope of the General Food Law, hygiene regulations and related controls to include " <i>individuals engaging in food production</i> " Registration and vaccination of all livestock Food safety education List of "high-risk" products	
Temporary shortages of fresh produce and food poverty in a self-sufficient food system	Emergency mechanisms for food re- distribution Production quotas to ensure balanced diets during temporary shortages Education -> adequate nutrition during temporary disruption of fresh produce	
Failure to provide appropriate food safety information to the consumer	Social networks and ICT use by " <i>individuals</i> <i>engaging in food production</i> " to provide food information to their peers	
Re-introduction of food waste and organic side-stream products in the food chain	Scope of the General Food Law as above Communal food waste handling or recycling centres Education -> re-use of food waste	

Conclusions



Conclusions



- The "future" consumer(s) will bring about new challenges
- Anticipation -> research priorities and policy
- Indicators
- Food systems (win-wins and trade-offs)





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