



EFSA's activities on data collection (Art. 33) and proposal for a new initiative (EUMENU)

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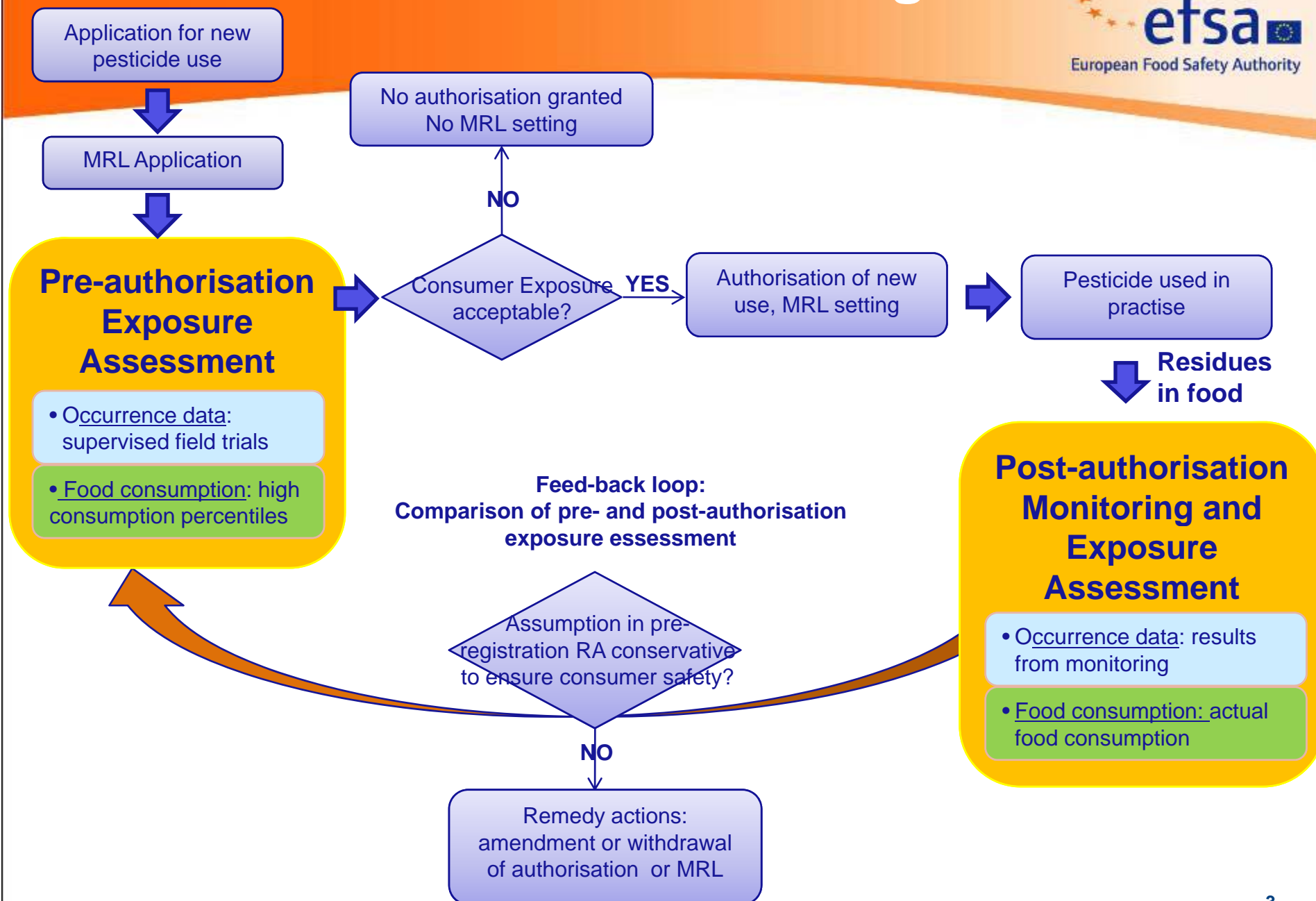
• **Scope: Art. 33**

- food consumption
- occurrence micro-organisms
- contaminants & residues

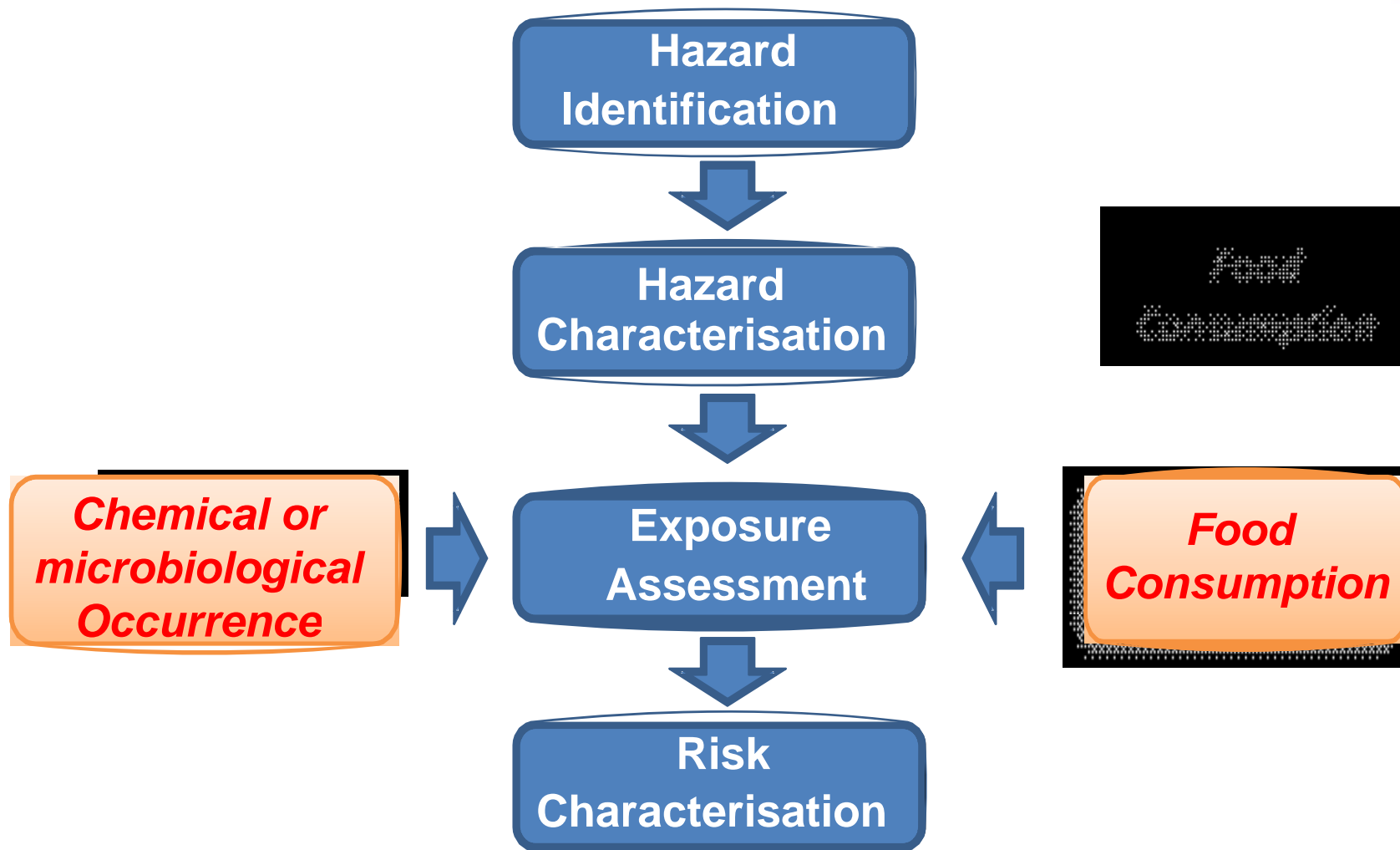
• **EFSA Tasks: Art. 33**

- set up networks with current and applicant MSs, 3rd countries, international organisations
- collect, collate, analyse and summarise data
- recommendations for improvement of data comparability and consolidation
- provide the results to EP, EC, MSs

Characterisation and Monitoring of Risks



Risk Assessment



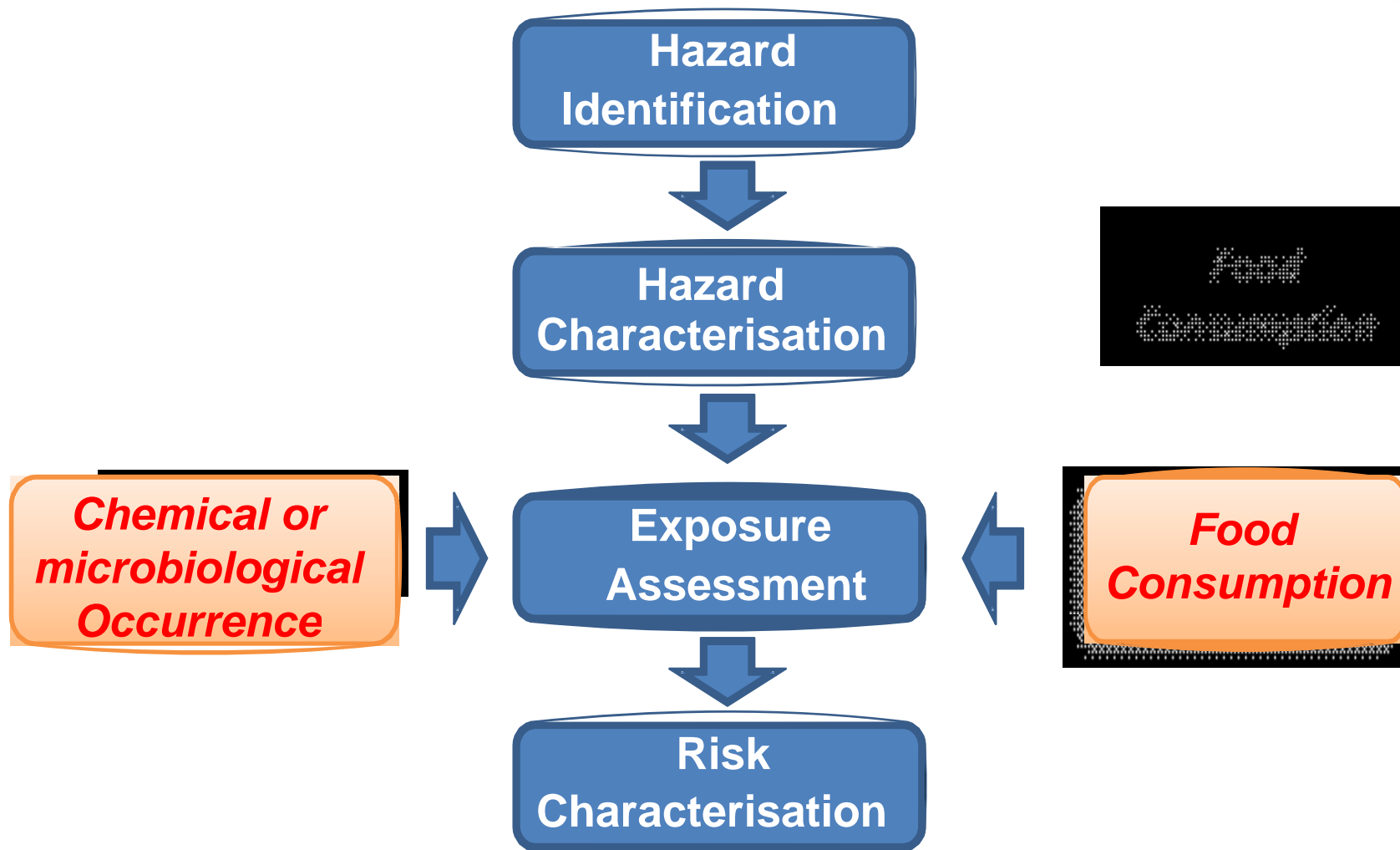
- **Annual Monitoring – Annual Zoonoses Report**
- **Topical reports**
 - EU-wide baseline surveys on zoonotic agents in animals and food population
 - Source attribution of human Salmonella infections
 - Report on trends in antimicrobial resistance
- **Contribution to RA activities**
 - Salmonella in laying hens, breeding poultry and in slaughter and breeding pigs
 - Campylobacter in broilers and broiler meat
 - Brucella suis and Echinococcosis
- **Harmonisation activities**
 - Guidance on antimicrobial resistance data collection
 - Technical specification for zoonotic agents
 - Development of analyses methods for zoonoses data

Chemical Contaminants and Pesticide Residues

- **Annual Monitoring**
 - Pesticide residues
 - Contaminants: acrylamide , furan, dioxin and PCBs
 - Veterinary drug residues
- **Contribution to RA activities**
 - Pesticide residues exposure assessment
 - Exposure assessment on heavy metals, marine biotoxins, aflatoxins, flavourings and smoke flavourings, melamine and nicotine
- **Harmonisation activities**
 - Development of standardised terminology and sample description
 - Working group for left censored data

- **Data transfer**
 - From data submitted by Email through Excel files
 - To XML data submission
- **Validation**
 - From files cleaned and validated with self-developed Excel macros
 - To Validation using SAS
- **Storage**
 - From Access Database
 - To Oracle Database for storage and Data Warehouse
- **Analysis**
 - Validated dataset available on SAS server for analysis
- **Output**
 - Data made accessible via EFSA extranet

Food consumption - EUMENU



Scientific Committee and EFSA Scientific Colloquium (2005)



- **The Scientific Committee suggested**
 - the establishment of a harmonised food consumption database in the EU
 - EFSA should contribute to the development of a European framework for the harmonisation of food consumption data in the EU
 - make these data publicly accessible
- **EFSA Scientific Colloquium: European Food Consumption Database** - A common database on food consumption would improve the consistency and reliability of exposure assessments carried out by the various EFSA Panels and other experts in Europe

- **Concise European Food Consumption db (2008)**
 - data from 19 European countries
 - data in 15 only main food categories (29 sub-categories)
 - screening tool for preliminary exposure assessment
- **Comprehensive database adults (2008-2010)**
 - most recent data from 20 MSs
 - data for food described at the most disaggregate level available
 - representative consumption at national level for adults
 - detailed individual level by 24 h recall or dietary record
- **Comprehensive database children**
 - most recent data from 13 MSs
 - data for food described at the most disaggregate level available
 - representative consumption at national level for children
 - at detailed individual level by 24 h recall or dietary record

International benchmarks

- The annual National Nutrition Survey in Japan has played an important role by monitoring nutrition and health status of the **Japanese consumers** since 1940s
- **USA** has a rolling program on dietary habits called the National Health and Nutrition Examination Survey (NHANES) that started in the 1960s
- The **China** Health and Nutrition Survey (CHNS), an ongoing international collaboration, started in 1989, examines the effects of policies and programs on health and nutritional status
- In recognition of a critical need for information about the nutrition of **Canadians**, a survey was undertaken during 2004

The pan-European survey (EUMENU)

- **The first representative EU-wide food consumption survey**
 - Cover representative food consumption data over all four seasons during 6 year collection phase
- **Multiple benefits available**
 - Food safety risk assessment and monitoring
 - Risk management: nutrition advice and public health policies
 - Research: chronic disease risk

Details of project – What needs to happen?

- **Create collaborative MS consortium**
- **Link up with interested external partners**
- **Develop project plan, time line and budget**
- **Organise internal and external funding**
- **Finalise pilot projects**
 - General principles of the survey (2009)
 - Harmonisation food classification (2011)
 - Pilot study in children – detailed protocols (2011)
 - Pilot study in adults – detailed protocols (2011)
 - IT system (2011)
 - Optimise the EPIC soft software (EFCOSUM and EFCOVAL)

The pan-European survey plan

Activity completed by	2010	2011	2012	2013	2014	2015	2016	2017
Project preparation								
Dietary survey in 5-7 countries								
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Countries selected in:

- different geographical areas to immediately have a good coverage of consumption patterns across Europe (macro areas to be identified)
- children and adults in subsequent years

Sampling plan

Member States	Total population	Regions	Infants		Toddlers		Other children		Adolescents		Adults		Elderly		Pregnant women	Total
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
Malta	413 609	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Luxembourg	493 500	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Cyprus	796 875	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Estonia	1 340 415	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Slovenia	2 032 362	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Latvia	2 261 294	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Lithuania	3 349 872	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Ireland	4 450 014	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Finland	5 326 314	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Slovakia	5 412 254	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Denmark	5 511 451	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Bulgaria	7 606 551	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Austria	8 355 260	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Sweden	9 256 347	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Hungary	10 030 975	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Czech Republic	10 467 542	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Portugal	10 627 250	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Belgium	10 750 000	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Greece	11 260 402	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Netherlands	16 485 787	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Romania	21 498 616	1	154	154	154	154	154	154	154	154	154	154	154	154	154	2 000
Poland	38 135 876	2	308	308	308	308	308	308	308	308	308	308	308	308	308	4 000
Spain	45 828 172	2	308	308	308	308	308	308	308	308	308	308	308	308	308	4 000
Italy	60 045 068	3	462	462	462	462	462	462	462	462	462	462	462	462	462	6 000
United Kingdom	61 634 599	3	462	462	462	462	462	462	462	462	462	462	462	462	462	6 000
France	64 350 759	3	462	462	462	462	462	462	462	462	462	462	462	462	462	6 000
Germany	82 002 356	4	615	615	615	615	615	615	615	615	615	615	615	615	615	8 000
Total	499 723 520		5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	5 846	76 000

• Age and gender distribution

• Population-based sampling

What's on the Menu in Europe

In short ...

- **Survey of 80,000 people in total**
- **In 27 Member States if possible**
- **Timeframe ~8-10 years including project planning and completion**

Discussion and Questions