



**Safety
Quality
Traceability**

Data management & exploitation

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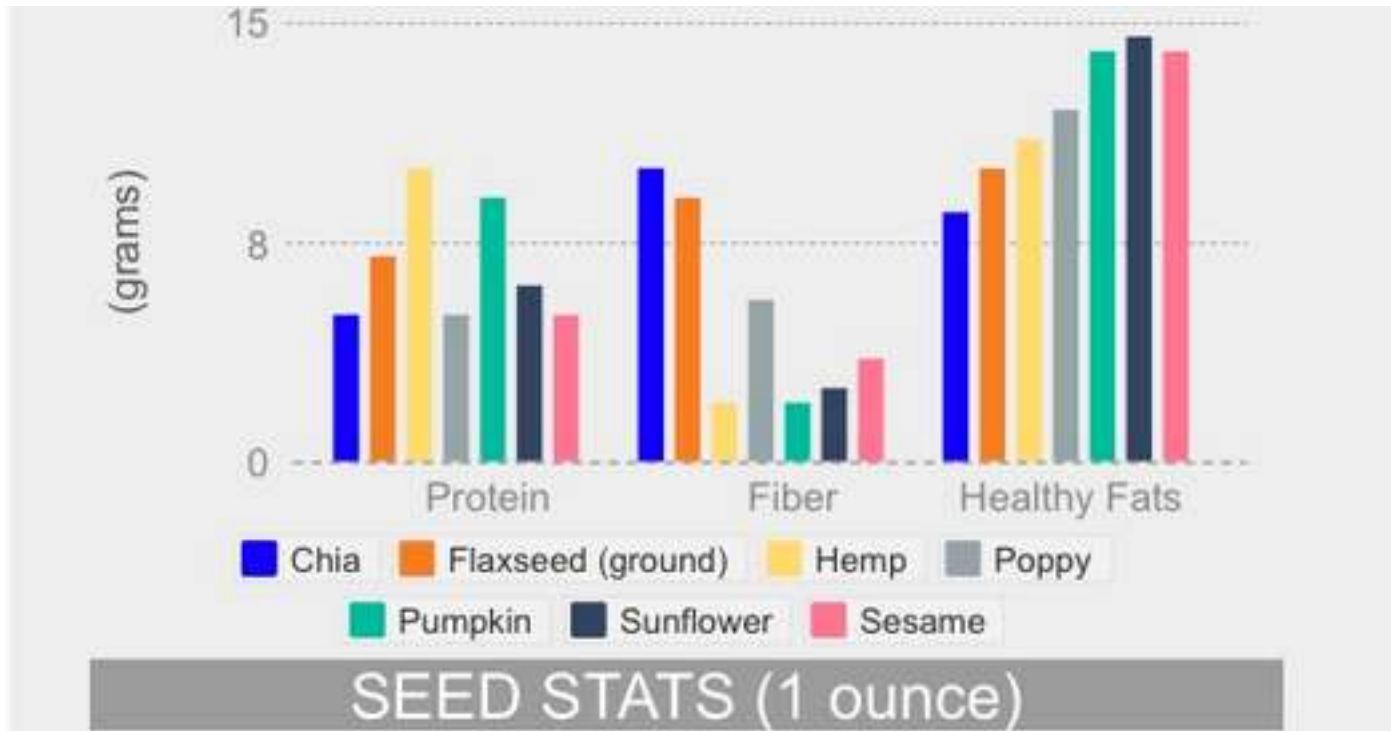


Food composition data

- detailed sets of information on the components of foods
- provide values for energy, nutrients and **non-nutrients**
- presented in food composition databases
- **important** in many fields including clinical practice, research, nutrition policy, public health & education, the food manufacturing industry etc.

Slovenian FCD

- Slovenian FCD (600 food items):
 - Meat & meat products (2006)
 - Plants (2012)
 - Recipes for EFSA (200)
- Souci-Fachmann-Kraut (700 food items / 270 constituents)
- EuroFIR
- USDA



Chia – Se (€37,6/1kg)
 Flax – n-3 (€4,7/1kg)
 Hemp – Zn
 Poppy – Ca

Pumpkin – Mg
 Sunflower – vitamin E (€7,2/1kg)
 Sesame – Cu

Branded foods

- Limited data - challenge
- Baby foods
- Diets:
 - Celiac disease
 - Diabetes
 - Hypertension
 - Phenylketonuria
 - Probiotics

Dietary recommendations

- D-A-CH (2004)
- ESPEN (patients)
- ESPGHAN (pediatric patients)
- WHO
- National recommendations and guidelines (Hospital for Children, Oncology Institute Ljubljana, General Hospital Novo mesto)

Tools

- OPEN
- Malnutrition screening
- eDietetik (barcode detection)
- Wireless pocket-sized scale for diabetics

Algorithms

- Food matching (FP7 EuroDISH):
 - Food composition + food consumption

Services

- Web services for data interchange with other information platforms
 - LanguaL / FoodEX2
 - API
 - documentation

National projects

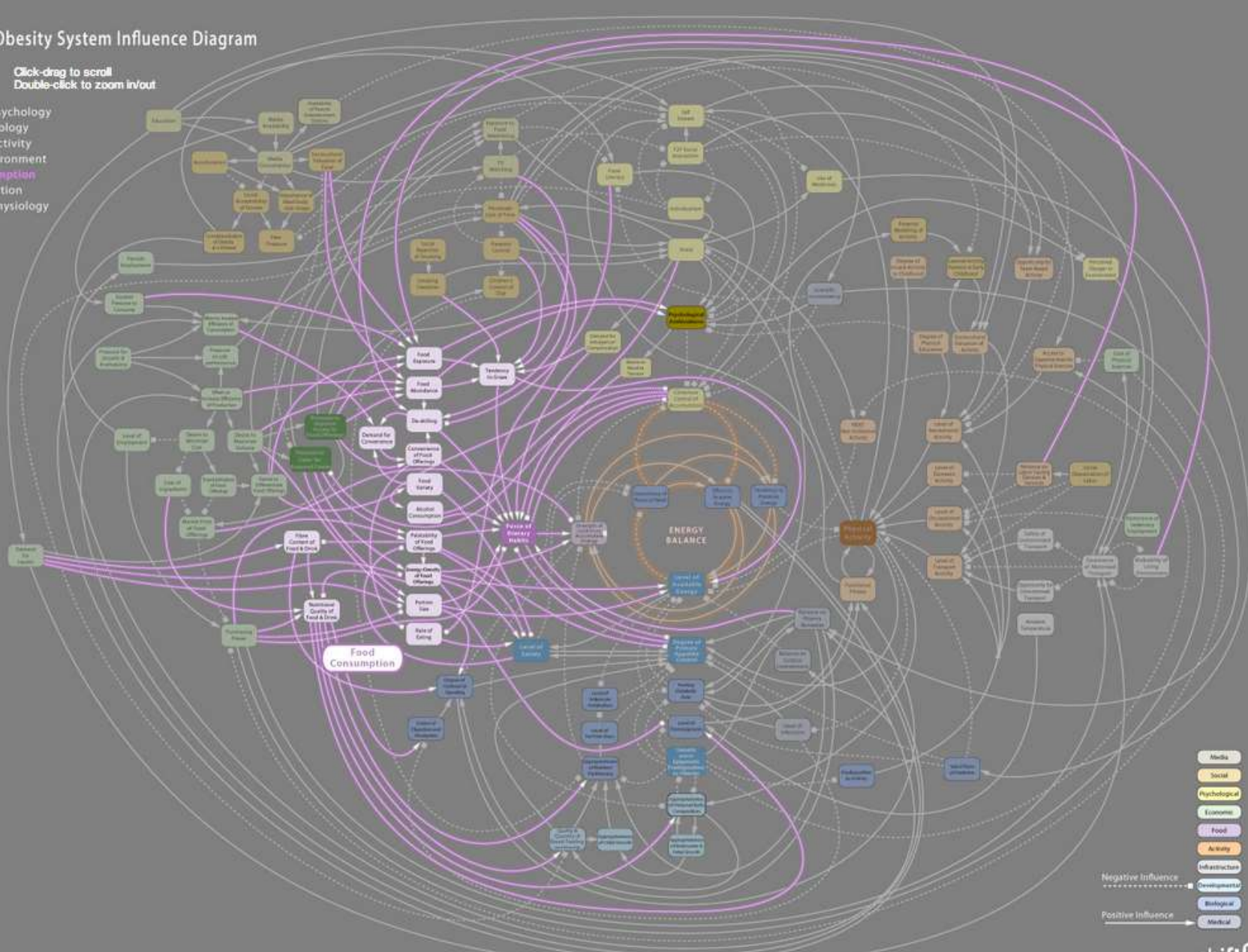
- National guidelines and recommendations (children, patients & elderly, workers)
- Optijed -> OPEN
- Malnutrition screening
- eDietetik
- Libra

International projects

- FP6 NoE EuroFIR
 - FP6 RFID Farm2Fork
 - FP7 EuroDISH
- FP7 QuaLiFY
- H2020 PD_manager

Shift^o Obesity System Influence Diagram

- Full Map
- Clusters **Click-drag to scroll**
- Double-click to zoom in/out**
- Core Loop
- Individual Psychology
- Social Psychology
- Individual Activity
- Activity Environment
- Food Consumption
- Food Production
- Individual Physiology
- Physiology



- Media
 - Social
 - Psychological
 - Economic
 - Food
 - Activity
 - Infrastructure
 - Developmental
 - Biological
 - Medical
- Negative Influence (dashed arrow)
Positive Influence (solid arrow)

