

Collective Awareness PlatformS for Environmentally-sound
Land management based on data technoLogies and
Agrobiodiversity

Support food choices against Childhood Obesity

Pavlos Georgiadis | We Deliver Taste pavlos@wedelivertaste.com





Who suffers from Overweight & Obesity?

- Epidemic in children
- Worldwide doubled between 1980 and 2008
- 5% to 25% (11-13 years old)

In the WHO European Region

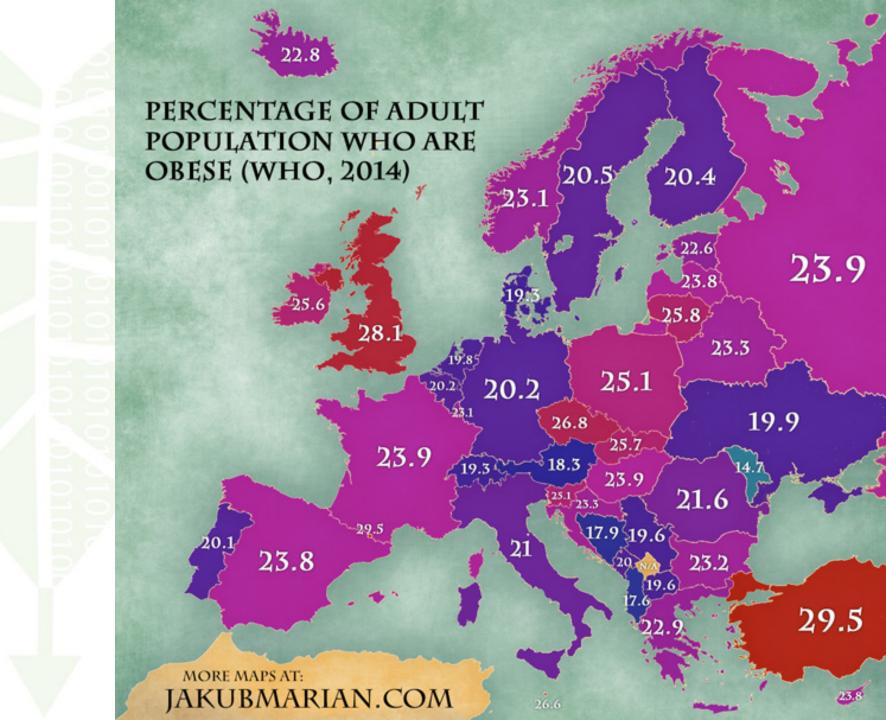




over 50% of people are overweight or obese



over 20% of people are obese





COST BURDEN

\$3,976 PER ADULT WITH OBESITY ANNUAL MEDICAL SPENDING PER CAPITA

MEAN 10-YEAR TOTAL MEDICAL COSTS FOR US ADULTS⁵

\$40,873 vs. \$33,010

WITH METABOLIC SYNDROME

NO METABOLIC SYNDROME

- 1 Source: NHANES 2011-2012
- 2 Source: NHANES 2009-2010
- 3 Source: NHANES 1999-2004
- 4 Source: Medical Expenditure Panel Survey, 2001
- Source: Curtis et al., 2007





Challenge #4

How can CAPSELLA generate Open Data driven services to children and their parents, in order to be able to better monitor their daily metabolic activity, considering calories, nutrient uptake and exerciese?

Participants

Develop a tool that estimates and visualises daily kCal budget for children (4-18 years old). The application should calculate caloric values for given recipes and portions consumed, matching them against the daily nutritional allowances of each target group and against daily physical activity.



Datasets

- USDA Food Composition Databases
- API information
- Database on Daily Values (DVs) & nutritional allowances
- WHO Child Growth Standards
- WHO Integrated Nutrition Global Databases
- Global Database on Body-Mass Index
- Database on kCal consumption per activity
- 4 Recipes