Food energy consumption

Literature: https://www.mdpi.com/1996-1073/12/4/767

"The system boundaries of this study includes the steps of agricultural production, processing and packaging, distribution and consumption, being therefore realised from "cradle to consumer"."

Table 1. Primary energy demand, nutritional energy provided to consumer and energy return on investment. Values expressed in kilojoules per capita per day and percentage.

| Food Category | PED (kJ/cap/day) | Energy Provided to Consumer (kJ/cap/day) | EROI (%) |
|------------------|------------------|--|-------------|
| Eggs | 5426 | 574 | 10.6 |
| Meat | 28,002 | 1901 | 6.8 |
| Fish and seafood | 16,243 | 209 | 1.3 |
| Dairy | 7230 | 938 | 13.0 |
| Cereals | 13,922 | 3827 | 27.5 |
| Sweets | 799 | 490 | 61.3 |
| Pulses | 2511 | 226 | 9.0 |
| Vegetable oils | 3674 | 2202 | 60.0 |
| Vegetables | 16,894 | 268 | 1.6 |
| Fruits | 3535 | 540 | 15.3 |
| Roots | 1691 | 318 | 18.8 |
| Total | 99,926 | 11,493 | 11.5 |

Normalized to 2250 kcal/d/p (average for men with 2500 kcal/d/p and women with 2000 kcal/d/p)

Vegan 43026 kJ/cap/day

roots + fruits + vegetables + vegetable oils + pulses + sweets + cereals

vegan12 kWh/d/p invested1156 kcal/d/p nutritionsum12 kWh/d/p invested1156 kcal/d/p nutritionnormalized23,4 kWh/d/p invested2250 kcal/d/p nutrition

Vegetarian = Vegan + 12656 kJ/cap/day

roots + fruits + vegetables + vegetable oils + pulses + sweets + cereals + dairy + eggs

vegan12 kWh/d/p invested1156 kcal/d/p nutritiondiary, eggs3,5 kWh/d/p invested361 kcal/d/p nutritionsum15,5 kWh/d/p invested1517 kcal/d/p nutritionnormalized23,0 kWh/d/p invested2250 kcal/d/p nutrition

Pescatarian = Vegan + Vegetarian + 16243 kJ/cap/day pescatarian addition

roots + fruits + vegetables + vegetable oils + pulses + sweets + cereals + dairy + eggs + fish

vegan12 kWh/d/p invested1156 kcal/d/p nutritiondiary, eggs3,5 kWh/d/p invested361 kcal/d/p nutritionfish4,5 kWh/d/p invested50 kcal/d/p nutritionsum20 kWh/d/p invested1567 kcal/d/p nutritionnormalized28,7 kWh/d/p invested2250 kcal/d/p nutrition

Omnivorous = Vegan + Vegetarian + Pescetarian + 28002 kJ/cap/day meat addition

roots + fruits + vegetables + vegetable oils + pulses + sweets + cereals + dairy + eggs + fish + meat

vegan 12 kWh/d/p invested 1156 kcal/d/p nutrition 3,5 kWh/d/p invested 361 kcal/d/p nutrition diary, eggs 4,5 kWh/d/p invested 50 kcal/d/p nutrition fish 7,8 kWh/d/p invested 454 kcal/d/p nutrition meat 27,8 kWh/d/p invested 2021 kcal/d/p nutrition sum normalized 31 kWh/d/p invested 2250 kcal/d/p nutrition