EUROFIR’S DIGITAL LEARNING MATERIAL (E-LEARNING) FOR EDUCATION IN FOOD COMPOSITION DATA

Paul J.M. Hulshof¹, Maria C. Busstra¹, Peter C.H. Hollman ¹, Jan Houwen²
¹Division of Human Nutrition, Wageningen University, The Netherlands
²Topshare International, Wageningen, The Netherlands

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Why develop digital-learning material?

- Evaluations of Food Comp courses showed that background and level of knowledge of participants is very diverse
- E-learning modules can contribute to personalized learning
- Can contribute to standardization and aiding compilers in assessing data quality
- Efficiency of topics taught in courses can be enhanced with E-learning
- Contributes to a larger variety of educational activities and more attractive course program
E-learning

- First module: nutrient analysis for non-chemists
- Design based on educational principles outlined in

Educational principles to achieve competence are based on:
- Motivation
- Authentic learning context
- Active learning
- Visualization of important concepts
- Reduce unnecessary cognitive load

Learning objectives

- Understand macronutrient analyses
- Chemical/technical principles
- Characteristics
- Strengths and limitations
- Interpret laboratory results and evaluate
- Critically communicate with laboratory
- Analytical methods and results.
E-learning

- Modules mainly based on teaching material developed and refined in Wageningen Food Comp courses
- “Storyboard” of E-learning module was peer reviewed by compiler and food chemist
- Pre-tested in FoodComp course Bratislava 2008 (fat and fatty acid module)
- Evaluated by participants on
  - Understanding of important concepts
  - Navigational aspects of module
  - Degree of difficulty
  - Clarity of module
  - Triggering motivation to study

Overall rating: 4.4
(on scale from 1-5)

Interested:

Contact:

EuroFIR Project Management Office
Food Databanks Platform
Institute of Food Research
Norwich Research Park
Colney, Norwich NR4 7UA, UK