

4-5
December
2017

Budapest

SUSTAINABLE FOOD SYSTEMS FOR HEALTHY DIETS IN EUROPE AND CENTRAL ASIA

***UNICEF ECARO and FAO-REU side event:
Networking the Regional Food and Nutrition Capacity Development Networks:
Lessons Learned, Knowledge Sharing and Opportunities to Establish a Nutrition
Partnership and Platform in Central Asia and Caucasus***

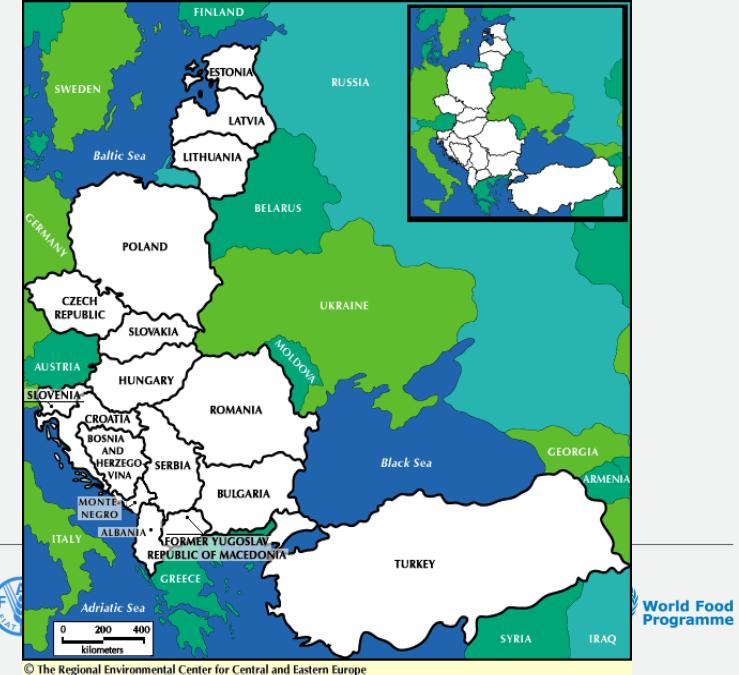
Mirjana Gurinovic

**SHARING THE LESSONS LEARNED AND ACHIEVEMENTS BY THE
CAPACITY DEVELOPMENT NETWORK IN NUTRITION IN CENTRAL
AND EASTERN EUROPE, CAPNUTRA**

**Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical
Research, University of Belgrade, Serbia, CAPNUTRA Chair**

- The definition of the Capacity Development (CD)
- Background-history UNU/SCN NCDNCEE /CAPNUTRA
- Frameworks for CD based on needs in CEE countries
- Collaboration with FAOREU & EC & EFSA projects & WHO & Networks
- What was achieved in this area

Network members from food and nutrition research/public health nutrition institutions: Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Former Yugoslav Republic of Macedonia, Moldavia, Montenegro, Poland, Romania, Slovakia, Slovenia, Serbia and facilitators came from the Netherlands, Norway and UK



Capacity Development (CD): A definition

CD in food and nutrition is more than formal training: includes also human resource development, organizational, institutional and legal framework development with aim of enhancing knowledge and skills (Lopes, Theisohn, 2003).

CD is a long term, continuing process, which gives primacy to national priorities, policies, plans and processes .

Lopes, C., Theisohn, T., 2003. Ownership, Leadership and Transformation: Can We Do Better for Capacity Development? United Nations Development Programme. Earthscan Publications Ltd, New York.

Background-history UNU/SCN NCDNCEE -CAPNUTRA

- Regional SCN networks already existed in Asia, Latin America, the Middle East and Southern Africa
- Thus the network in Central and Eastern Europe is the newest network facilitated by the UNU Food and Nutrition Programme, through SCN
- **Kick-off meeting** for a capacity development initiative in nutrition in Eastern and Central Europe, **19 May 2005** FAO-SEUR office, Budapest, Hungary
- The **inaugural meeting** of the **UNU/SCN Network for CD in nutrition for Central and Eastern Europe (NCDN-CEE)** took place in Budapest on the **13-14 February 2006**, at the FAO SEUR Office
- **Established to initiate and support food and nutrition CD activities in research and training in CEE countries based on country/region specific needs.**
- **NCDNCEE's follow-up from 2012 is CAPNUTRA**

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**Kick-off meeting for a capacity development initiative
in nutrition in Eastern and Central Europe,
19 May 2005 FAO-SEUR office, Budapest, Hungary**



**1st inaugural meeting of the NCDNCEE
16 participants from 10 countries supported by UNU
13-14 February 2006, Budapest, FAO SEUR Office, Hungary.**



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**2nd Meeting of the NCDNCEE. 16th -17th November
2006. Budapest, Hungary FAO-SEUR office. 18
participants from 9 CEE countries
supported by UNU and EuroFIR**

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SUSTAINABLE FOOD SYSTEMS FOR HEALTHY DIETS IN EUROPE AND CENTRAL ASIA



Kick-off meeting for a capacity development initiative in nutrition in Eastern and Central Europe, 19 May 2005 FAO-SEUR office, Budapest, Hungary



1st inaugural meeting of the NCDNCEE
16 participants from 10 countries supported by UNU
13-14 February 2006, Budapest, FAO SEUR Office, Hungary.



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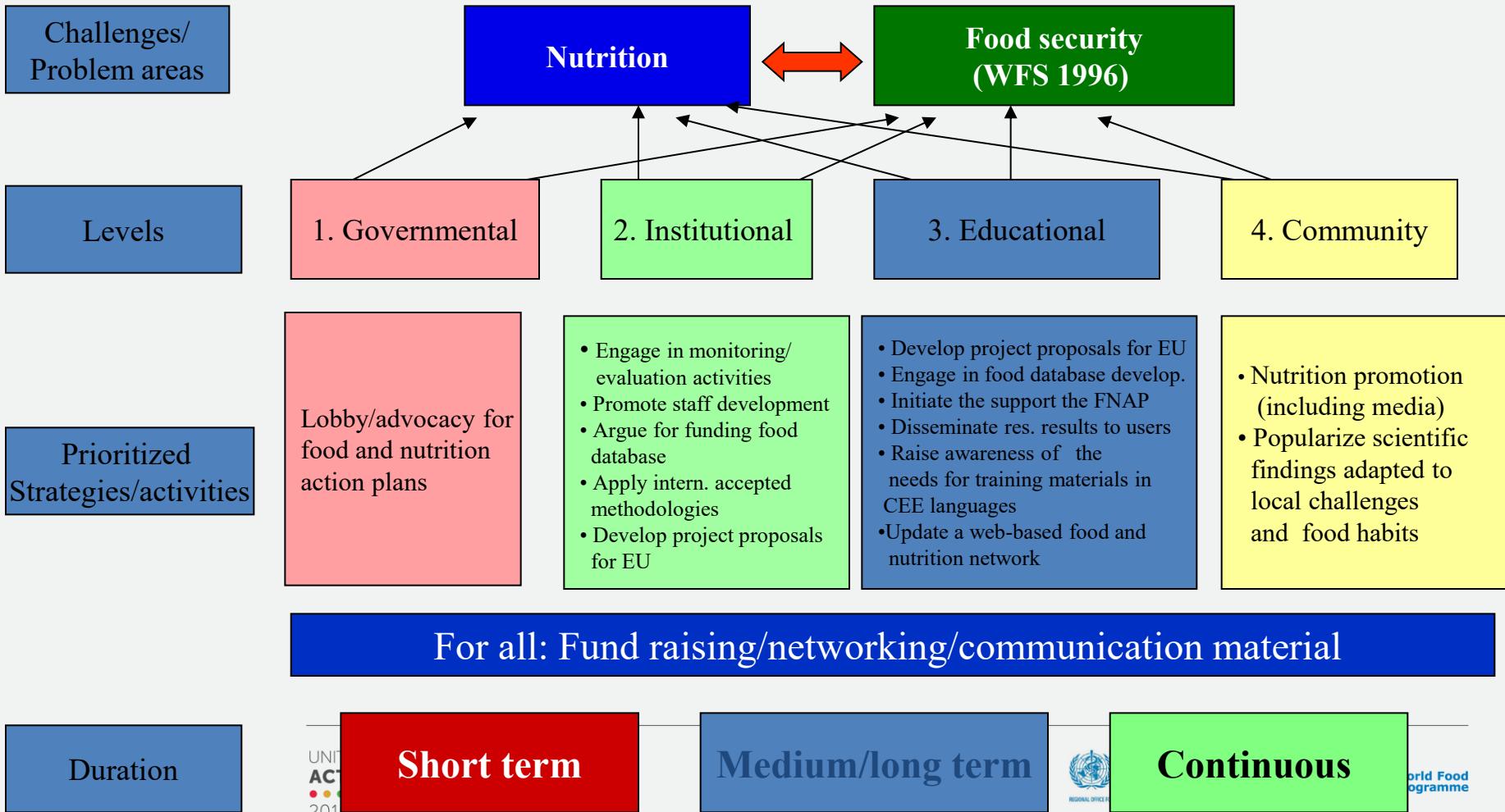
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Objectives

- The main objective was to stimulate CD in food and nutrition in CEE through identifying research infrastructure (RI) status and needs, specific education/training needs, and to establish networking with European countries through collaboration with international networks and international research projects.
- NCDNCEE/CAPNUTRA works toward the enhancement of individual, institutional and organizational capacity in food and nutrition research, including identification of the challenges and needs, development of strategies, frameworks and planning guidelines for CD in nutrition in CEE and Balkan countries (BC).



4-5 Activities for the UNU/SCN NCDNCEE—CAPNUTRA 2006-2017

December

2017

SUSTAINABLE FOOD SYSTEMS FOR HEALTHY DIETS IN EUROPE AND CENTRAL ASIA

- Identify status, needs and follow-up activities within food, health and nutritional challenges in order to facilitate the initiatives of the Network in CD in the CEE region;
- Identify strategic elements to meet the capacity development plans of institutions and individuals in the region;
- Identify status & gaps in food and nutrition research infrastructure (RI) , needs and gaps in nutritional knowledge and priority specific trainings ;
- Organize Network meetings, specific capacity development activities such as workshops , trainings; seminars and other education related to the food and nutrition based on identified situation and needs in countries /region with support from EC projects, FAO, WHO and other relevant stakeholders;
- Disseminate scientific achievements, experiences and international co-operation and communication between scientific institutions, individual scientists and stakeholders in order to accelerate implementation of innovations, knowledge exchange and technology transfer;
- Collaborate on information exchange with other national /European and international networks/ associations/institutions;
- Foster regional involvement and identify needs and opportunities in regional CD: Current status in academic nutrition education in CEE countries needs improvement-Solution: to organize trainings based on identified needs with support from EU level;
- Create , test and implement nutritional tools for food composition data base development, dietary intake assessment using harmonized and standardized methods according to European recommendations; Capacity development in dietary intake survey - harmonization with EU-Menu methodology regional training for DIET ASSESS & PLAN (DAP) platform

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SUSTAINABLE FOOD SYSTEMS



3rd UNU/SCN NCDNCEE

22 participants from 10 CEE countries support by UNU
Belgrade, Serbia, 1-2 November 2007.



5th Meeting of the NCDNCEE

Belgrade, Serbia, 11-12 November 2009.
32 participants from 10 CEE countries. 7
participants had support from EURRECA



4th UNU/SCN NCDNCEE. Belgrade, 10-12 November 2008.
Support from UNUCentral and Eastern Europe in Belgrade 10-12

Nov 2008.

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31 participants from 15 CEE countries.
7 participants supported by EURRECA
2016-2025



6th Meeting of the UNU/SCN NCDNCEE,
Belgrade, 25th-26th May, 2011,

32 participants from 15 CEE countries, support from UNU;
FAO-EUROFIR-Nexus

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FAO-EUROFIR-Nexus
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EU projects:
Budapest

- **EuroFIR (FP6)**-European Food Information Resource Network (NoE) FP6 www.eurofir.net 2006-2010
- **EURRECCA (FP6)** - Harmonising nutrient recommendations across Europe with special focus on vulnerable groups and consumer understanding (NoE) FP6 www.eurrecca.org 2007-2012
- **EuroFIR –Nexus (FP7)**-EuroFIR Food Platform: further integration, refinement and exploitation for its long-term self-sustainability FP7 www.eurofir.org 2011-2013
- **CHANCE (FP7)**- Low Cost technologies and traditional ingredients for the production of Affordable, Nutritionally correct, Convenient foods enhancing hEalth in population groups at risk of poverty (<http://www.chancefood.eu/>) 2011-2014
- **ODIN (FP7)** -Food-based solutions for Optimal vitamin D Nutrition and health through the life cycle www.odin-vitd.eu 2013-2017
- **Euro DISH- (FP7)** "Study on the need for food and health research infrastructures in Europe", <http://www.eurodish.eu> 2012-2015
- **BACCHUSS (FP7)**-Beneficial effects of dietary bioactive peptides and polyphenols on CVD health in humans, www.bacchus-fp7.eu/ 2012-2016

EFSA projects:

- "Updated food composition database for nutrient intake" 2012
- "Dietary Monitoring Tools for Risk Assessment " 2012-2013
- *Support to National Dietary Surveys in Compliance with the EU Menu methodology "The children's survey", including subjects from three months up to 9 years old, 2017-2021*
- *Support to National Dietary Surveys in Compliance with the EU Menu methodology- "The adults' survey", including subjects from 10 to 74 years old. 2017-2021*

UN organisations:

- **UNU**, Food and Nutrition Programme for Human and Social Development (UNU-FNP)-Standing Committee of Nutrition (**SCN**)
- **FAOREU-FAO** Regional Office for Europe and Central Asia, Budapest, Hungary
- **WHO**-World Health Organisation, Regional Office for Europe, Copenhagen, Denmark

Networks:

- **CEECFOODS**- Central and Eastern European Countries Food Data Systems
- **MENANA**-Middle East and North Africa Capacity Building Initiative

European food and nutrition research and public health nutrition institutions

Food and Nutrition Research infrastructure (RI)

Budapest

- Adequate research infrastructures (RIs) in food, nutrition, and health domain are essential for nutrition epidemiology, innovative nutritional research, dietary exposure and food safety risk assessment and effective public health nutrition (PHN) strategies to address the diet-related diseases, malnutrition and foodborne diseases. (Gurinović 2016)
- Research infrastructure (RI) provides a platform for interdisciplinary/multi-national collaboration to facilitate world-class research (EC, 2013)
- Research Infrastructures, including the associated human resources, covers major equipment or sets of instruments, in addition to knowledge-containing resources such as collections, archives and data banks. (ESFRI, 2010).
 - a) Hard research infrastructures; major buildings, equipment and instruments, knowledge-containing resources (e.g. e-platforms and data banks).
 - b) Soft research infrastructures; unique data management, interpretation and handling capacities, harmonization of data and procedures, training staff, professional networks and knowledge transfer.



A platform for standardized and harmonized **food consumption collection, comprehensive dietary intake assessment and nutrition planning**

DAP platform consists of the following:

DAP software, Food Composition Data Base Management (FCDM) web application, Serbian FCDB, Balkan food platform with Regional FCDB & link to EuroFIR 30 FCDBs and nutrient recommendation datasets

Glibetić, M., et al., Management of food composition database harmonized with EuroFIR criteria using a web application. *Journal of Food Composition and Analysis*, 2010.

Gurinović, M., et al, Establishment and advances in the online Serbian food and recipe data base harmonized with EuroFIR standards. *Food Chemistry*, 2016

Gurinovic M., et al, Development, features and application of DIET ASSESS & PLAN (DAP) software in supporting public health nutrition research Central Eastern European Countries (CEEC), *Food Chemistry* , 2016





Balkan Food Platform
Regional FCDB

Food Composition
Data Management
(FCDM) web application



SERBIAN
FCDB

DRVs
WHO, EFSA, DACH,
NNR

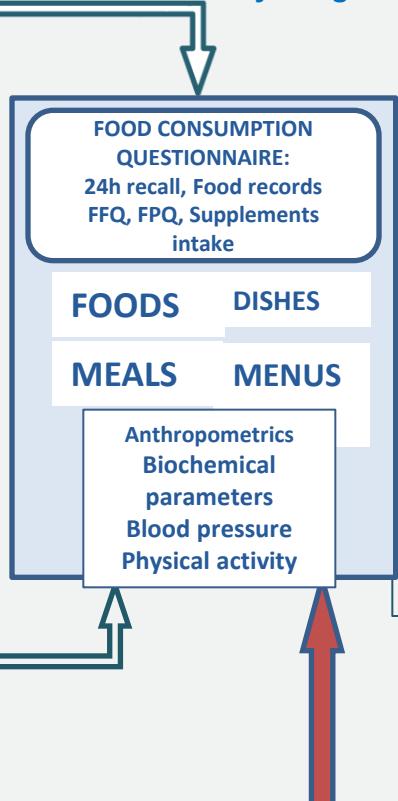
DIET ASSESS & PLAN (DAP) PLATFORM



SIA

EuroFIR™ Food Composition
Exchange Platform 30 national
databases - 26 European, Canada,
USA, JP and NZ
>40.000 foods indexed by Langual™,

Food platform - 30 FCDBs



OUTPUTS

Reports on individual and/or population level in
consumed and/or planned dishes, meals, menus

Minimum Dietary Diversity-
Women (MDD-W)

Diet modelling/planning:
menus, public procurements

Food design & reformulation

Physical activity level

Nutrition declaration

Nutrients intake through
supplements

Currently running in: EFSA project-Support to National Dietary Surveys in Compliance with the EU Menu methodology (sixth support): "The adults' survey", including subjects from 10 to 74 years old, 2017-2021 (Serbia, Bosnia and Herzegovina and Montenegro) and "The children's survey", including subjects from three months up to 9 years old, 2017-2021 (Serbia and 'Former Yugoslav Republic of Macedonia' (FYROM).

Budapest Human Rights to Adequate Food and World Food Day activities

- FCDB status and training needs inventory questionnaire
- Training in production and Use of Food Composition Data Base (FCDB) in Nutrition (EuroFIR)
- WHO European Action Plan for Food and Nutrition Policy
- Evidence-based nutrition -From Requirements to Recommendations and Policies (EURRECA)
- Capacity Development Workshop on identification of nutrition data from Grey literature in CEE
- Micronutrient recommendations collection and adequacy assessment in CEE from grey literature
- Languag- Food indexing training in Food composition creation (EuroFIR)
- Assessment of current situation in higher nutrition education and training needs in the CEE
- Media communication training
- How to write proposals for the EC projects
- Nutritional tools presentation and usage
- Development of regional FCDB for West Balkan (EuroFIR-Nexus)
- Dietary intake surveys- dietary intake methods & adequacy assessment
- Food consumption collection and dietary intake survey harmonization with EU Menu methodology

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**Workshop “Training and Capacity
Building for non EuroFIR CEE Countries“
Belgrade, Serbia, June 2007**



**EuroFIR Course on Production and Use of
Food Composition Data in Nutrition:
2016-2025**
Bratislava, Slovakia, 6-17 October 2008



**Regional Workshop for Food Composition Data Base
Development;
19 participants from CEE 5 countries NCDNCEE
Belgrade, Serbia June 11th 2010**



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Europe



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4-5 2nd EURRECA week, Budva, Montenegro 9-13
June 2008, 5 members from NCDNCEE with
December EURRECA support
2017



4th UNU/SCN NCDNCEE.
Belgrade, 10-12 November 2008



EURRECA-GREY LITERATURE WORKSHOP 2008.
Group work

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2016-2025

**EURRECA Course Evidence-based nutrition:
Warsaw – Sep 9-14, 2008; 4 participants from
NCDNCEE**



5th Meeting UNU/SCN NCDNCEE.
Belgrade, 11-12 November 2009



Questionnaire on user friendly Web-based
computerized software design tool



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6th Meeting of the UNU/SCN Network for Capacity Development in Nutrition in Central and Eastern Europe (NCDNCEE), Belgrade, 25th-26th May, 2011 (32 participants from 15 CEE countries)

The agenda of the meeting is available at website: <http://www.agrowebcee.net/ncdn/> and Photo gallery at website:
<http://www.agrowebcee.net/ncdn/photo-gallery/photo-gallery-2011/>

Video film is available at: You Tube: <http://www.youtube.com/watch?v=OGAAv3po-c>.



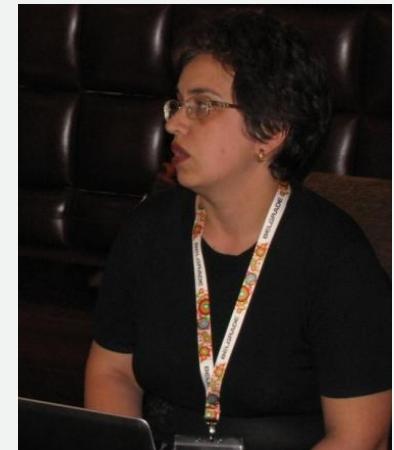
Food Composition Data Base (FCDB) Development through NCDNCEE activities 2006-2011

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SUSTAINABLE FOOD SYSTEMS RESEARCH IN EUROPE AND CENTRAL ASIA



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Workshop: Regional Food Composition Data Base: Web based Food Comp Data Management (FCDM) software application in BalkanFood Platform development

2016-2025

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SUSTAINABLE FOOD SYSTEMS FOR HEALTHY DIETS IN EUROPE AND CENTRAL ASIA
**First Symposium of the Capacity Development in Nutrition and Food Research in
Central and Eastern Europe (CAPNUTRA) 21-23 January 2013, Belgrade, Serbia**

Budapest



**Balkan Food Platform -
Regional Food
Composition Data Base
development**
National food database
compiler organisation
from CEE/Balkan

Memorandum of Understanding (MoU) was signed with 11 CEE and Balkan countries, forming Balkan food platform: Croatia (2 institutions); Cyprus; FB&H ; Republic of Macedonia; Moldova ; Montenegro; Russia; Slovenia, Ukraine & EuroFIR AISBL, Serbia-IMR, CAPNUTRA

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2017

**CAPACITY DEVELOPMENT IN DIETARY INTAKE SURVEY - HARMONISATION WITH EU
Budapest MENU METHODOLOGY, 11-12th SEPTEMBER 2017 BELGRADE, SERBIA**

SUSTAINABLE FOOD SYSTEMS FOR HEALTHY DIETS IN EUROPE AND CENTRAL ASIA

CAPNUTRA Symposium



2016-2025

Turning dilemmas into opportunities: a UNU/SCN capacity development network in public nutrition in Central and Eastern Europe

Mirjana Pavlović^{1,*}, Fré Pepping², Michal Demes³, Lajos Biro⁴, Peter Szabolcs⁴, Zlatka Dimitrovska⁵, Vesselka Duleva⁶, Camelia Parvan⁷, Aida Filipovic Hadzimeragic⁸, Maria Glibetic¹ and Arne Oshaug⁹

Food Chemistry 113 (2009) 846-850



Contents lists available at ScienceDirect

Food Chemistry

journal homepage: www.elsevier.com/locate/foodchem



Training and capacity building in central and eastern Europe through the EuroFIR and CEE networks

Mirjana Pavlović^{a,*}, Cornelia M. Withöft^b, Peter Hollman^c, Paul J.M. Hulshof^c, Maria Glibetic^a, Janka Porubska^d, Fré Pepping^{e,f}, Arne Oshaug^g

European Journal of Clinical Nutrition (2010) 64, S38-S42
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www.nature.com/ejcn

APPENDIX

EURRECA nutritional planning and dietary assessment software tool: NutPlan

M Gurinović¹, A Kadvan¹, L Buccinelli², C Matthys³, D Torres⁴, R Novaković¹, R Smith⁵ and M Glibetic¹

European Journal of Clinical Nutrition (2010) 64, S134-S138
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www.nature.com/ejcn

AL ASIA

ORIGINAL ARTICLE

Capacity development in food composition database management and nutritional research and education in Central and Eastern European, Middle Eastern and North African countries

M Gurinović¹, CM Withöft², J Tepšić¹, M Ranić¹, PJM Hulshof³, PC Hollman³, J Porubska⁴, A Gohar⁵, J Debeljak-Martić¹, G Petrović-Oggiano¹, R Novaković¹, M Glibetic¹ and A Oshaug⁶

European Journal of Clinical Nutrition (2010) 64, S43-S47
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www.nature.com/ejcn



APPENDIX

Nutri-RecQuest: a web-based search engine on current micronutrient recommendations

AEJM Cavelaars¹, A Kadvan², EL Doets¹, J Tepšić², R Novaković², R Dhonukshe-Rutten¹, M Renkema³, M Glibetic², L Buccinelli⁴, C Matthys⁵, R Smith⁶, P van't Veer¹, CPGM de Groot¹ and M Gurinovic²

Public Health Nutrition: page 1 of 17

doi:10.1017/S1368980012004077

Micronutrient intake and status in Central and Eastern Europe compared with other European countries, results from the EURRECA network

Romana Novaković^{1,*}, Adrienne EJM Cavelaars², Geertruida E Bekkering³, Blanca Roman-Viñas⁴, Joy Ngo⁴, Mirjana Gurinović¹, Maria Glibetic¹, Marina Nikolic¹, Mana Golesorkhi⁵, Marisol Warthon Medina⁶, Zvonimir Šatalić⁷, Anouk Geelen², Lluís Serra Majem^{4,8}, Pieter van't Veer² and Lisette CPGM de Groot²



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Food Chemistry xxx (2015) xxx-xxx



Contents lists available at [ScienceDirect](#)

Food Chemistry

journal homepage: www.elsevier.com/locate/foodchem



Improving nutrition surveillance and public health research in Central and Eastern Europe/Balkan Countries using the Balkan Food Platform and dietary tools

Gurinović Mirjana^{a,b,*}, Milešević Jelena^{a,b}, Novaković Romana^{a,b}, Kadvan Agnes^{a,b}, Djekić-Ivanković Marija^{a,b}, Šatalić Zvonimir^{b,c}, Korošec Mojca^{b,d}, Spiroski Igor^{b,e}, Ranić Marija^{a,b}, Dupouy Eleonora^f, Oshaug Arne^{bg}, Finglas Paul^{h,i}, Glibetić Maria^{a,b}

Journal of Food Composition and Analysis 24 (2011) 741–743

Contents lists available at [ScienceDirect](#)

Journal of Food Composition and Analysis



journal homepage: www.elsevier.com/locate/jfca

Short communication

Management of food composition database harmonized with EuroFIR criteria using a web application

Maria Glibetic*, Agnes Kadvan, Jasna Tepsic, Jasmina Debeljak Martacic, Marija Djekic-Ivankovic, Mirjana Gurinovic

Public Health Nutrition: page 1 of 6

doi:10.1017/S1368980014000172

Professional training in nutrition in Central and Eastern Europe: current status and opportunities for capacity development

Mirjana Gurinović^{1,*}, Romana Novaković¹, Zvonimir Šatalić², Marina Nikolić¹, Jelena Milešević¹, Marija Ranić¹ and Marija Glibetić¹

Food Chemistry xxx (2015) xxx-xxx



Contents lists available at [ScienceDirect](#)

Food Chemistry

journal homepage: www.elsevier.com/locate/foodchem



Analytical Methods

Establishment and advances in the online Serbian food and recipe database harmonized with EuroFIR™ standards

Gurinović Mirjana^{a,b,*}, Milešević Jelena^{a,b}, Kadvan Agnes^{a,b}, Djekić-Ivanković Marija^{a,b}, Debeljak-Martić Jasmina^{a,b}, Takić Marija^{a,b}, Nikolić Marina^{a,b}, Ranković Slavica^{a,b}, Finglas Paul^{c,d}, Glibetić Maria^{a,b}

Contents lists available at [ScienceDirect](#)

Food Chemistry

journal homepage: www.elsevier.com/locate/foodchem



Development, features and application of DIET ASSESS & PLAN (DAP) software in supporting public health nutrition research in Central Eastern European Countries (CEEC)

Mirjana Gurinović^{a,b,*}, Jelena Milešević^{a,b}, Agnes Kadvan^b, Marina Nikolić^{a,b}, Milica Zeković^a, Marija Djekić-Ivanković^b, Eleonora Dupouy^f, Paul Finglas^d, Maria Glibetić^{a,b}

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^bCapacity Development Network in Nutrition in Central and Eastern Europe, CAPNUTRA, Serbia

^cFAO Regional Office for Europe and Central Asia (REU), Budapest, Hungary

^dEuroFIR AISBL, Brussels, Belgium



Article

Validity of the Food Frequency Questionnaire Assessing the Folate Intake in Women of Reproductive Age Living in a Country without Food Fortification: Application of the Method of Triads

Milica Zeković^{1,*}, Marija Djekić-Ivanković¹, Marina Nikolic¹, Mirjana Gurinovic¹, Dusanka Krajnović² and Marija Glibetić¹

¹ Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research (IMR), University of Belgrade, Tadeuša Kosciuska 1, 11158 Belgrade, Serbia; djekic.ivankovic@gmail.com (M.D.-I.); marina.nikolic12@yahoo.com (M.N.); mirjana.gurinovic@gmail.com (M.G.); mglibetic@gmail.com (M.G.)

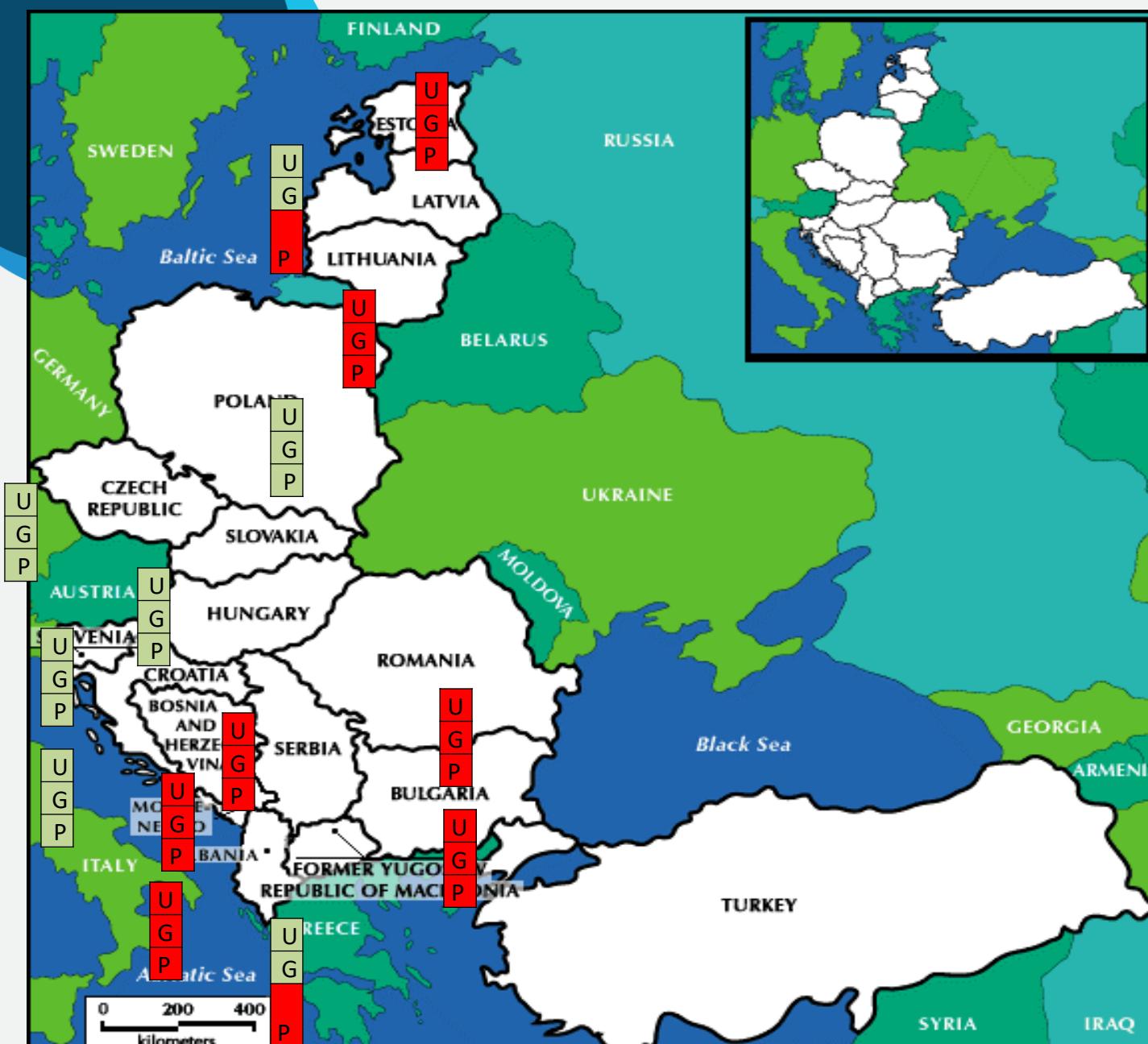
² Department of Social Pharmacy and Pharmaceutical Legislation, Faculty of Pharmacy, University of Belgrade, Vojvode Stepe 450, 11000 Belgrade, Serbia; dusica.krajnovic@pharmacy.bg.ac.rs

* Correspondence: zekovicmilica@gmail.com; Tel.: +381-113031997



Status in academic nutrition education in Central and Eastern Europe (CEE)

Study in Nutrition
 U-undergraduate
 G-graduate
 P- postgraduate





The screenshot shows the CAPNUTRA website homepage. The header features a collage of images related to food and nutrition, with the text 'CAPNUTRA' in large green letters and 'Central and Eastern Europe' below it. The navigation bar includes links for PARTNERS, CENM, EUFIC, WHO EUROPE, FAO REU, EUROFIR AISBL, AUC, EFSA, IFR, EURRECA, and AGROWEB. The main content area has a 'Home' tab selected. It displays a news item about a meeting on 7.10.2016, followed by sections for 'NCDN CEE and CAPNUTRA meeting reports', 'Events page', and 'CAPNUTRA flyer'. A sidebar on the right lists 'Strategic partners' (FAO UN, ESCORENA, GFAR, IAALD, Graphix), 'Services' (Contacts Database, Link Manager), and 'Access points paths' (Agroweb Network, AgroWeb CAC, AgroWeb SEE). A 'Thematic Networks' dropdown is also present.

In **2009** with the financial support of FAO REU and technical support of FAO HQ, a new server was set up in Rome to serve as common technical background for the AgroWeb CEE Network, ESCORENA and the Thematic Knowledge Networks

From **2012** CAPNUTRA

Budapest
Network meetings: 9 ; Total 200 participants

<http://www.agrowebcee.net/ncdn/events/>

- Workshops/trainings/courses: 26 in total
- International meetings: 42; 73 presentations
- Other meetings: 5 ; 8 presentations
- Research papers in scientific journals: 11
- Food and nutritional tools - 5
- Website: <http://www.agrowebcee.net/ncdn/>; www.capnutra.org



- 3 Video film: <http://www.youtube.com/watch?v=OGAAv3po-c>



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Conclusions I

- ✓ The network was a source of new scientific knowledge in nutrition, a tool to foster regional involvement and identify needs and opportunities in regional CD
- ✓ During the last decade, impressive food and nutrition CD results were achieved in the field of PHN research in CEE/BC.
- ✓ Improved RI in CEE/BC region with standardized and harmonized methodology /tools in dietary surveys will contribute to compiling the EFSA comprehensive European Food Consumption Database applicable in chemical exposure assessment and to FAO/WHO GIFT global database platform, containing individual quantitative food consumption data.

Conclusions II

- Cooperation with other European networks and active participation in international research projects enhanced nutritional training, exchange of information and knowledge transfer and brought about development of substantial capacity in food, nutrition and public health research in CEE/BC.
- Nowadays, CAPNUTRA network is a platform that fosters regional involvement and further developments in PHN research.

Acknowledgements

- **UNU, Food and Nutrition Programme for Human and Social Development (UNU-FNP),** Capacity Building Working Group of the United Nation's Standing Committee on Nutrition (SCN)
- **FAOREU-FAO** Regional Office for Europe and Central Asia, Budapest, Hungary
- **EuroFIR NoE (FP6)-** European Food Information Resource Network (www.eurofir.net)
- **EURRECA** (FP6)- Harmonising nutrient recommendations across Europe with special focus on vulnerable groups and consumer understanding , (www.eurreca.org)
- **EuroFIR Nexus (FP7)-** EuroFIR Food Platform: Further integration, refinement and exploitation for its long-term self-sustainability (www.eurofir.org)
- **EFSA projects**-“Updated food composition database for nutrient intake”&Dietary monitoring tools for risk assessment” ; “ Support to National Dietary Surveys in Compliance with the EU Menu methodology –children and adults survey “
- **CHANCE (FP7)-** Low Cost tecHnologies and traditional ingredients for the production of Affordable, Nutritionally correct, Convenient foods enhancing hEalth in population groups at risk of poverty (www.chancefood.eu)
- **ODIN (FP7)-**Food-based solutions for Optimal vitamin D Nutrition and health through the life cycle (www.odin-vitd.eu)
- **FOLOMEGA** -Biological mechanism, dietary intake and status of polyunsaturated fatty acids and folate: Nutrition improvement in Serbia, III41030 <http://srbnutrition.info/english/folomega/>
- **CAPNUTRA**-Capacity Development Network in Nutrition in Central and Eastern Europe- www.capnutra.org

Thank you for your attention!

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