

# European Guidelines and Training in Implementation of Population-based Cancer Screening

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THE COUNCIL OF THE EUROPEAN UNION Recommendation on Cancer Screening of 2 December 2003



- 1. Implementation of cancer screening *programmes*
- (a) Offer evidence-based cancer screening through a systematic population-based approach with quality assurance at all appropriate levels. The tests which should be considered in this context are listed in the Annex;
- (b) Implement screening programmes in accordance with European guidelines on best practice where they exist and facilitate the further development of best practice for high quality cancer screening programmes on a national and, where appropriate, regional level...



# Need for Quality Assurance in Cancer Screening

- Screening is for predominantly asymptomatic populations
- At any given time, only a few people will have a health benefit from screening
- > The risks are slight, but all participants are exposed
- Due to the very large number of people involved the risks add up
- Quality assurance keeps the balance between benefit & harm in an appropriate range.

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To achieve an appropriate balance between benefit and harm - quality must be optimal at every step in the screening process:

- Information & invitation of the target population
- Performance of the screening test
- Diagnosis for people with suspicious test results
- Treatment of screen-detected lesions
- Surveillance & aftercare

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# **Organised Screening Programmes**

- Responsible national or regional team for implementation (coordinating service delivery, quality assurance, and reporting of performance and results)
- Comprehensive guidelines, rules & standard operating procedures
- Quality assurance structure with supervision & monitoring of the screening process
- Ascertainment of the population disease burden





Population-based programmes promote equity and quality assurance

## Personal invitation

- Equal change of each eligible person to benefit
- Data bases for
  - Monitoring and auditing performance
  - Linkage with cancer registries for evaluating screening impact on the burden of disease



# Organized, Population-based Screening Preferred

- Infrastructure of organized, population-based programmes facilitates QA
- Implementation of population-based programmes makes services performing to the high multidisciplinary standards accessible to the entire eligible population
- Large numbers of professionals undertake further specialisation in order to meet the screening standards
- These nationwide efforts also lead to widespread improvement in diagnosis and management of cancers detected outside of screening programmes

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## EU Guidelines for Quality Assurance in Breast, Cervical and Colorectal Cancer Screening

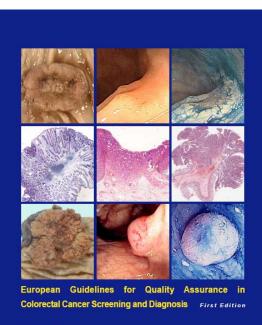














4<sup>th</sup> Edition 2006<sup>a)</sup>

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2<sup>nd</sup> Edition 2008<sup>a)</sup>

Financial support through:

1<sup>st</sup> Edition 2010<sup>a), b)</sup>

<sup>a)</sup>EU Health Programme, <sup>b)</sup>UEGF, ACS, CDC



### Web links to relevant documents



Segnan N, Patnick J & von Karsa L (eds.) (2010), European Guidelines for Quality Assurance in Colorectal Cancer Screening and Diagnosis - First Edition. European Commission, Publications Office of the European Union, Luxembourg

http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en\_GB/-/EUR/ViewPublication-Start?PublicationKey=ND3210390

Arbyn M, Anttila A, Jordan J, Schenck U, Ronco G, Segnan N, Wiener H, Herbert A, Daniel J and von Karsa L (eds) (2008), **European Guidelines for Quality Assurance in Cervical Cancer Screening - Second edition**. European Commission, Office for Official Publications of the European Communities, Luxembourg. <u>http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en\_GB/-/EUR/ViewPublication-Start?PublicationKey=ND7007117</u>

Perry N, Broeders M, de Wolf C, Törnberg S, Holland R, von Karsa L and Puthaar E (eds) (2006), **European Guidelines for Quality Assurance in Breast Cancer Screening and Diagnosis – Fourth edition**. European Commission, Luxembourg:Office for Official Publications of the European Communities. <u>http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en\_GB/-/EUR/ViewPublication-Start?PublicationKey=ND7306954</u>

Council of the European Union (2003), **Council Recommendation of 2 December 2003 on cancer** screening (2003/878/EC), *Off J Eur Union* no. L 327:34-38. http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2003:327:0034:0038:EN:PDF

von Karsa L, Anttila A, Ronco G, Ponti A, Malila N, Arbyn M, Segnan N, Castillo-Beltran M, Boniol M, Ferlay J, Hery C, Sauvaget C, Voti L and Autier P (2008). Cancer screening in the European Union, Report on the implementation of the Council Recommendation on cancer screening - First Report. European Communities (publ.), Luxembourg.

http://ec.europa.eu/health/ph\_determinants/genetics/documents/cancer\_screening.pdf

Commission of the European Communities (2008), Report from the Commission to the Council, the European Parliament, the European Economic and Social committee and the Committee of the Regions - Implementation of the Council Recommendation of 2 December 2003 on cancer screening (2003/878/EC) Brussels, Report no.COM(2008) 882 final.

http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2008:0882:FIN:EN:PDF





European Guidelines for Quality Assurance in Colorectal Cancer Screening and Diagnosis



European Guidelines for Quality Assurance in Colorectal Cancer Screening and Diagnosis First Edition



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Print version

- 10 chapters, 400 pages
- >250 recommendations
- >750 references
- Web version
  - print version
  - 1000 page evidence base





European Guidelines for Quality Assurance \* in Colorectal Cancer Screening and Diagnosis

- > 102 authors, editors, reviewers, contributors
- 23 European countries (21 EU) Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Germany, Hungary, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherl&s, Norway, Pol&, Portugal, Romania, Slovenia, Spain, Sweden, United Kingdom
- Other countries Argentina, Australia, Canada, China, Israel, Japan, & the United States of America.







EU Guidelines - Main collaborators and partner institutions

- **J. Patnick**, Editor, Oxford University Cancer Screening Research Unit, Cancer Epidemiology Unit, University of Oxford, Oxford, United Kingdom; NHS Cancer Screening Programmes, Sheffield, United Kingdom
- **N. Segnan**, Editor, Unit of Cancer Epidemiology, Centre for Cancer Epidemiology and Prevention (CPO) and S. Giovanni University Hospital, Turin, Italy
- **S. Madai**, Network Meetings, Public Association for Healthy People, Budapest, Hungary
- L. Faulds-Wood, Advocacy, European Cancer Patient Coalition (ECPC), Utrecht, Netherlands
- L. von Karsa, Editor and Coordinator, Quality Assurance Group, Section of Early Detection and Prevention Section, IARC, Lyon, France







European Guidelines for Quality Assurance in Colorectal Cancer Screening and Diagnosis

# **Chapters in First Edition**

- 1. Introduction
- 2. Organisation
- 3. Evaluation
- 4. FOBT
- 5. Endoscopy

- 6. Training
- 7. Pathology
  - 8. Clinical management
  - 9. Surveillance
  - 10. Communication







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## **European Schools of Screening Management**

Principles, organization, evaluation, planning and management of

cancer screening programmes

In collaboration with project on Cancer Screening and Early Diagnosis in Mediterranean Countries

### **Course overview**

A Anttila, N Segnan, L von Karsa

ESSM course at the IARC Lyon 19.-23.11.2012 Module 1

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**Opening Session** 



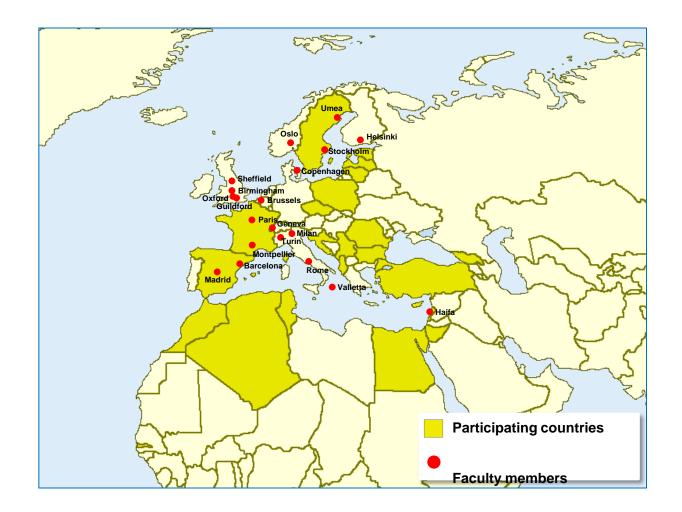
# European Schools of Screening Management Participating Delegates and Faculty

### > 26 Delegates

- Decision makers, programme planers and managers, professional staff
- > 17 countries represented
  - Albania, Bulgaria, Croatia, Czech Republic, Estonia, Georgia, Kosovo, Latvia, Lithuania, Morocco, Poland, Romania, Serbia, Slovenia, Spain, Sweden, Turkey
- > 26 senior faculty
- > 9 EU Member States and IARC represented:
  - Belgium, Denmark, Finland, Italy, Slovenia, Spain, Sweden, The Netherlands, United Kingdom
- > Co-financing:
  - European Partnership for Action Against Cancer
  - Cancer Screening and Early Diagnosis in Mediterranean Countries



International collaboration in planning and conducting specialized training courses in cancer screening





# COURSE PROGRAMME

➢ First Module 19-23 Nov. 2012:

8 sections with lectures on essential concepts & protocols for quality-assured cancer screening, each with peer discussion & exercises

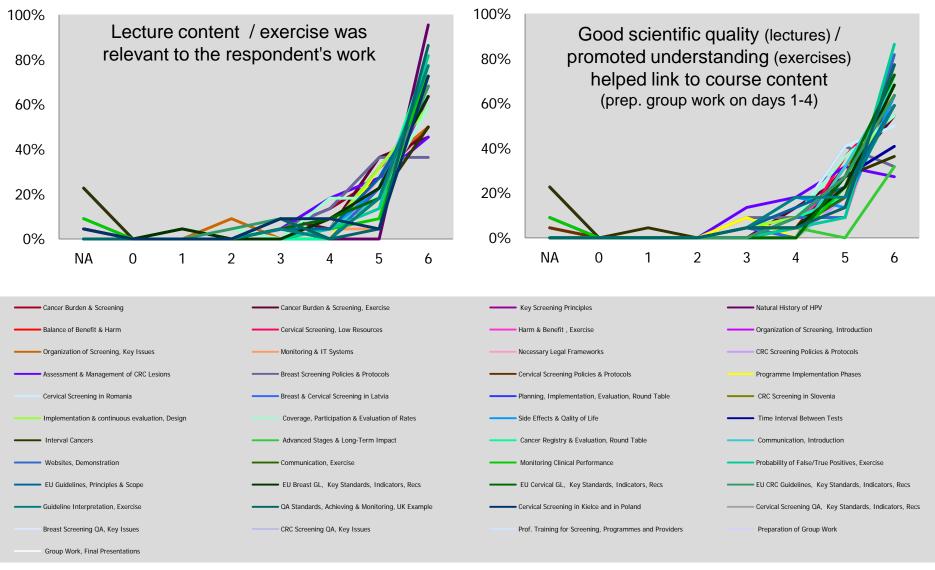
• European Guidelines

Interim Group Work December - February

- considering actual activities & quality improvement within existing programmes, to prepare for the Second Module
- Second Module 11-15 March 2013:
  - with reports from the programmes, & complementary lectures on applied issues



#### ESSM Pilot Course Content – Module 1

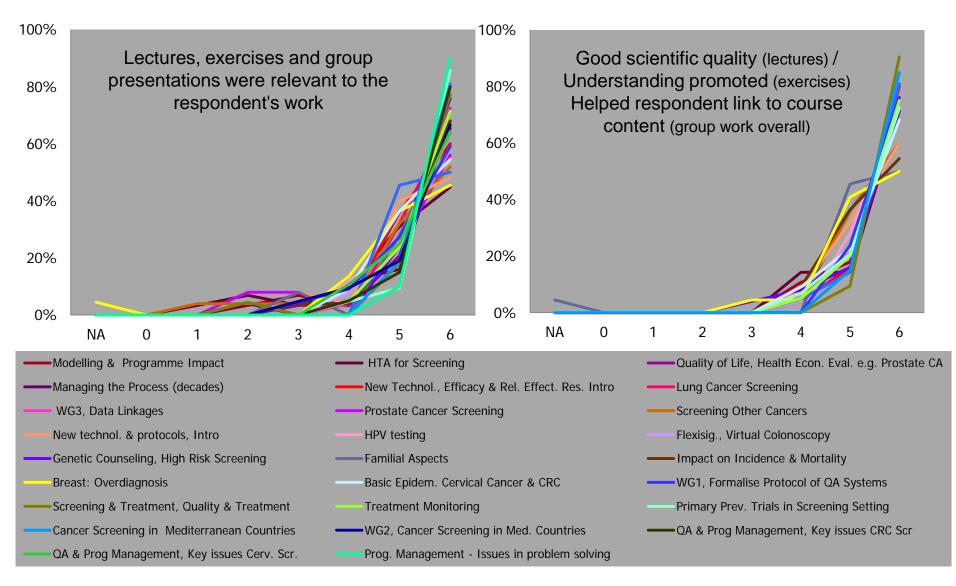


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0 = strongly disagree; 1-5 = degrees in between 6 = strongly agree; NA = not applicable

### ESSM Pilot Course Content – Module 2



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0 = strongly disagree; 1-5 = degrees in between;
6 = strongly agree; NA = not applicable

# **ESSM Module 1 Participants**





# Need to continue & expand ESSM

- A high quality screening programme takes at least 10 years to develop & implement
- Sustainability & adequate funding & other resources are essential for medium- & long-term programme development
  - Funding for EU Networks for Cancer Screening & Prevention
  - European Schools of Screening Management for providing expert support & multicentre research collaboration & advanced training platform
  - To continue collaboration with the Mediterranean cancer screening network



# Thank you for your attention

