



Bundeskriminalamt

ENFSI European Fingerprint Working Group



Monika Hilgert

Chairperson ENFSI Fingerprint Working Group

Crime Scene Unit of the Bundeskriminalamt / Germany

Riga, September 2011





Aims



- driving up standards through Best Practice and quality management
- providing a technical support network



Working Group Structure



Two Subgroups: Detection and Identification Subgroup

-Chairperson Monika Hilgert, Bundeskriminalamt Wiesbaden, Germany,
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- | |
|---|
| - Axel Glaeser, Vice Chair/Webmaster, Swiss Federal Office of Police, Switzerland,
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| - Joanne Fish, Identification Subgroup Chairperson, Serious and Organised Crime Agency, United Kingdom,
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| - Miroslav Berka, Detection Subgroup Chairperson, Institute of Criminalistics, Czech Republic,
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| - Didier Meuwly, Treasurer/QCC, Netherlands Forensic Institute, Netherlands,
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| - Lena Hallberg, Secretary, Swedish National Laboratory of Forensic Science, Sweden,
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| - Kaja Dalen Krogsaeter, Ordinary Member, National Criminal Investigation Service, Norway,
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| - Aldo Mattei, R&D, Ragruppamento Carabinieri Investigazioni Scientifiche, Italy,
Aldo.Mattei@carabinieri.it |



Bundeskriminalamt

10th Annual Meeting in The Netherlands 2010



78 participants from 43 institutes all over Europe and South Africa





Landscape of Accreditation in Europe



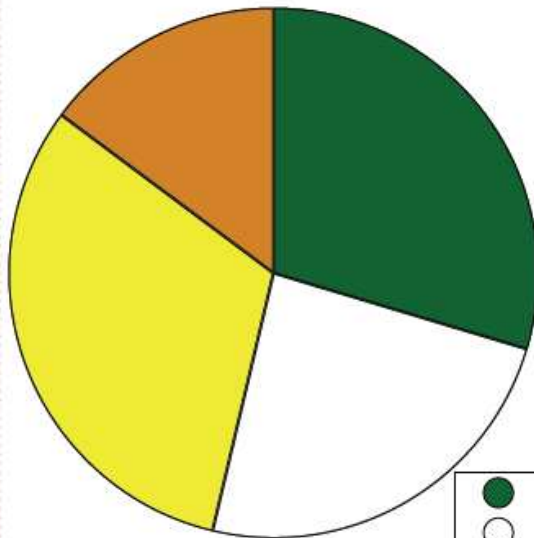
- 54 institutes
- 32 countries



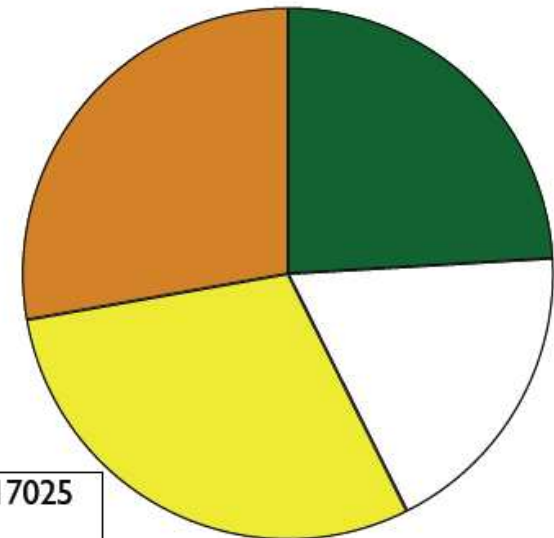
QCC - QCLG



• Fingerprint comparison



• Fingerprint development



- Accreditation ISO 17025
- No activity
- Planned ISO 17025
- Field of expertise

23/11/2009

A likelihood ratio (LR)-based method for forensic evaluation of fingermarks



Quality Assurance Activities



Organisation of a QCC session during last annual meeting

- presentation of activities of the QCC-QCLG committee
- development of interactions between EFP-WG and ENFSI-QCC in order to improve the quality of the work in general (activities related to the Best Practice Manual) and to accreditation in particular
- discussion with the participants to raise the awareness about the topic accreditation



Twining Project



MENTORSHIP FOR FORENSIC ACCREDITATION OF THE FINGERPRINT LABORATORIES (EFPWG-TWINS)

- setting up fingerprint traveling mentors
- 5 twinning projects between accredited ENFSI fingerprint laboratories and non accredited ENFSI fingerprint laboratories
- offer mentorship and guidance to set up an internal accreditation team and to plan the necessary steps to be ready for accreditation

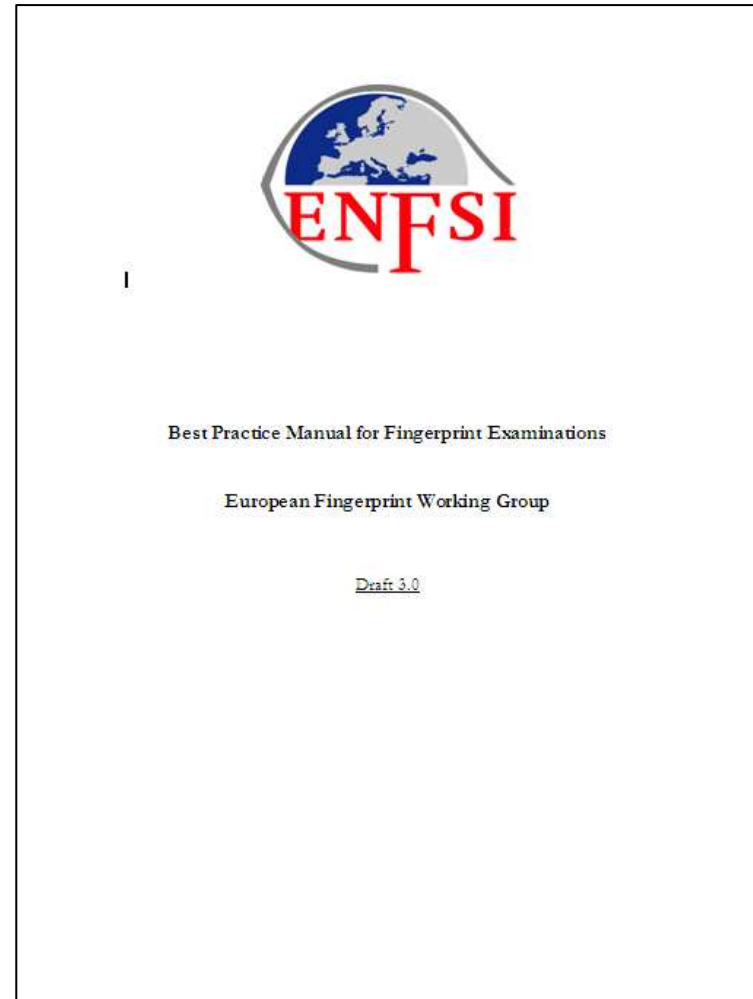


Good Practice Manual



- customer or case requirement
- case assessment
- examination strategy
- recovery
- search
- comparison
- evaluation
- interpretation
- evidential presentation

For each of the stages above the manual will address the procedures, personnel and equipment and accommodation requirements

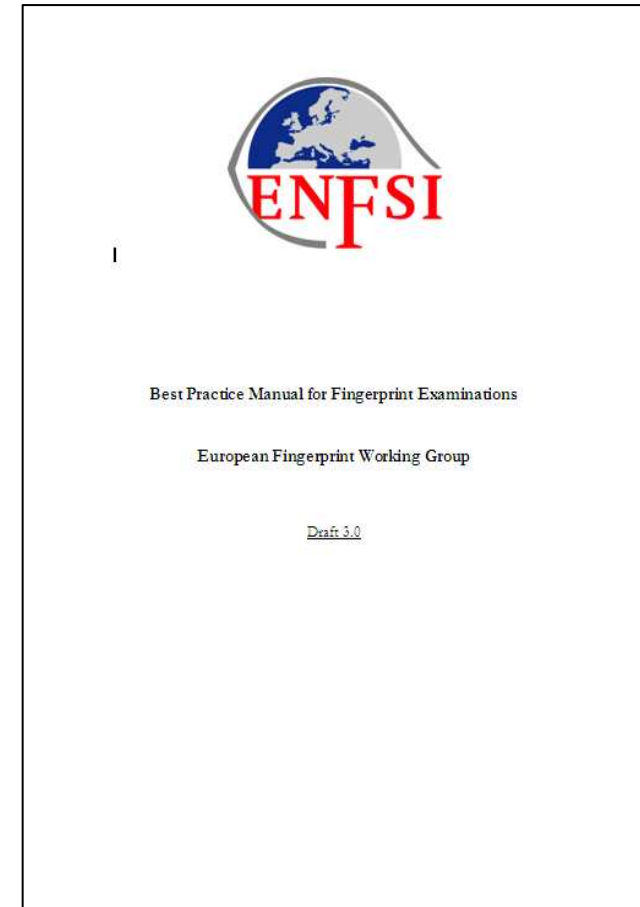




Good Practice Manual



1. handling of items for examination
2. general packaging guidelines
3. labelling
4. chain of custody/ continuity
5. storage
6. dispatch
7. techniques for use at scenes of incident

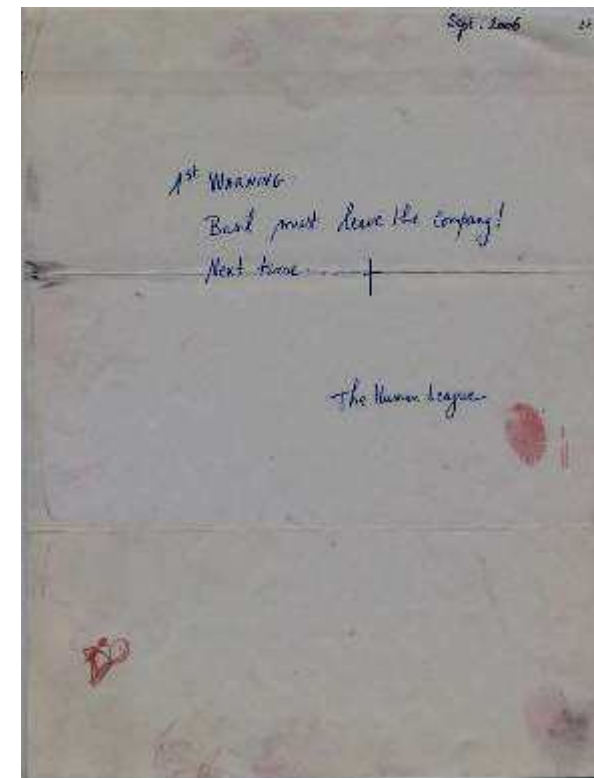
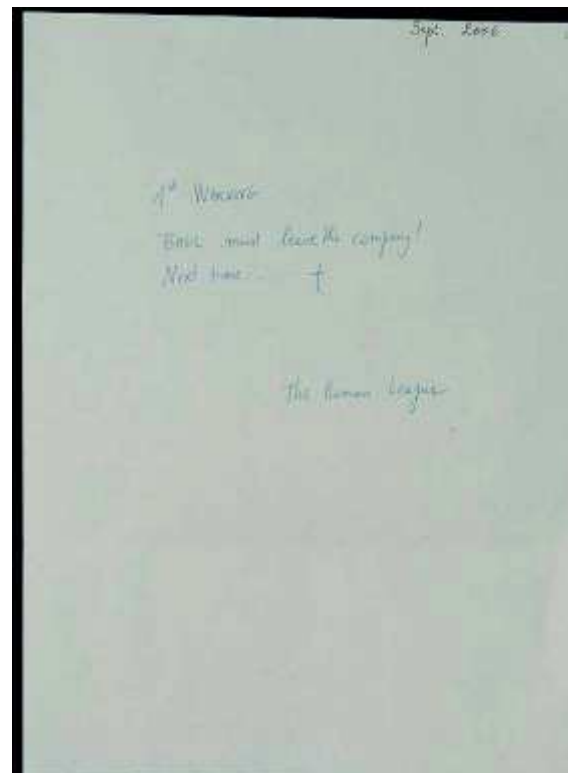




Introduction of Collaborative Exercises Detection Subgroup



- First Collaborative Exercise in 2006 – threatening letter with handwriting, telephone number as indented writing, real fingerprints and artificial (printed) objects produced with artificial sweat as reference material





Collaborative Exercise 2008/2009



- Second Collaborative Exercise in 2008 – drug package with hair, fibres and real fingerprints on different materials (tape, aluminium foil, plastic bag)



- 26 participants
- examination of a drug package comprising of tape, aluminium foil and a plastic bag
- evaluation of the reports according to a model solution



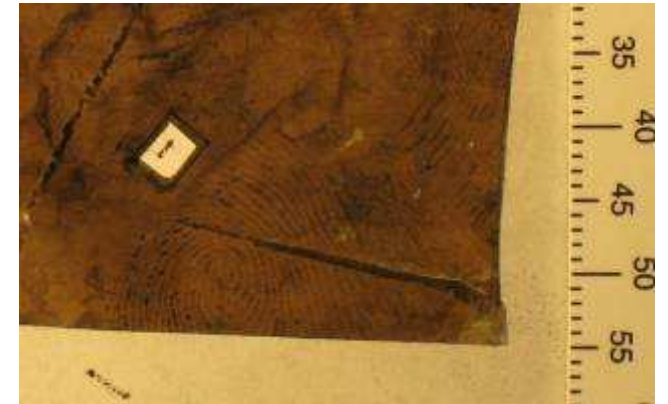
Collaborative Exercise 2008/2009



hair on sticky side of tape



fingerprint on tape surface



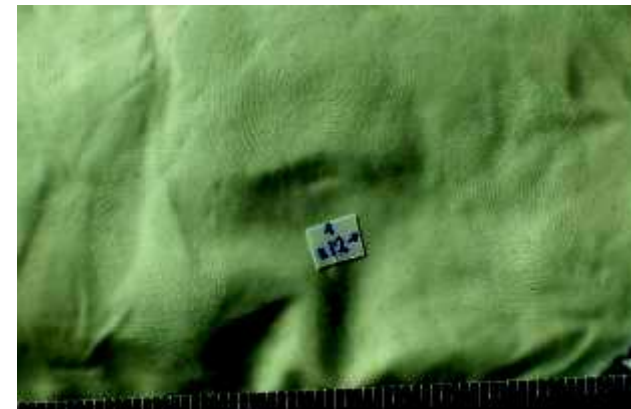
fingerprint on sticky side of tape



fibres on sticky side of tape



fingerprint on
aluminium foil



fingerprint on plastic bag



Collaborative Exercise 2010/2011



Third Collaborative Exercise Detection

- collaborative exercise was distributed at Annual Meeting 2010
- 32 participants
- search for fingerprints on a kind of special paper
- evaluation presented at Annual Meeting 2011



Collaborative Exercise Identification Subgroup 2010



- CE took place between January and June 2010 organised by the Federal Office of Police in Switzerland, supported by the University of Lausanne (CH)
- 29 institutes from 21 countries participated with an impressive return rate of 100 %
- five ten-print cards of suspects and 15 marks sent out to the participants
- including the request to process the material according to the local SOPs

For each mark, this answer included the following information:

- degree of complexity
- Is there sufficient information for a comparison?
- if applicable, result of the comparison based on the local standard: identification, exclusion or inconclusive
- in case of an identification, information of person and finger/area of palm



Research & Development



- collate information on research being undertaken
- establish communications with universities
- maintain contact with suppliers
- encourage collaboration between agencies
- identify projects of mutual benefit
- access EU funding



Database



Institute	Country	Projects 2006 (status)	Projects 2007 (status)	Future projects (planned for realisation in the next 2 years)	Other projects of interest (projects to be undertaken, e.g. in co-operation)
Bundesministerium für Inneres Vienna,	Austria		No projects	No projects	No projects
Landeskriminalamt Niederösterreich Vienna,	Austria		1. AGIS-Project/VACUUM METAL DEPOSITION/co-operation with BKA Wiesbaden. 2. AGIS-Project/FINGERPRINTS ON HUMAN SKIN/co-operation with BKA Wiesbaden.		
Federal Police Belgium, Kortrijk,	Belgium	1. The use of Oil red O (detection of sebaceous compounds in fingerprints) on porous surfaces. 2. The use of Oil red O after nikhydram and DFO indanedione. 3. Examination of fingerprints on latex gloves.(VMD seems the best option)	1. Oil red O optymalisation 2. Indanedione-DFO comparison 3. Indanedione or Indanedione-ZnCl ₂	1. DNA after Indanedione- ZnCl ₂	
Federal Police Belgium DGJ, DJT, Brussel,	Belgium	No projects	No projects	No projects	No projects
Forensic Science Centre „Ivan Vucetic”,	Croatia	No projects	No projects /implementation ISO/IEC 17025 in lab/	No projects	No projects
Criminalistic Services Cyprus Police (CSCP),	Cyprus	No projects	No projects	No projects	We would like to co-operate in projects with colleagues from other Labs
Danish National Police/National Commissioner of Police,	Denmark			1. AGIS Project: Latent Fingerprints and foreign DNA on human skin /Project Partners: Germany, Austria Denmark/	No projects
Estonian Police Forensic Service Center (FCS),	Estonia		No projects	No projects	No projects
National Bureau of Investigation	Finland		1. Digital photographing of fingerprints by the local laboratories (25 labs)	No projects	No projects



FFAC



- offers a service to investigate disputed cases
- drive a transparent process of independent re-examination
- has potential to be applied to other forensic disciplines
- next phase towards the operational use of FFAC and its methodology is to provide formal training for the contributing fingerprint practitioners
- required definitions and working procedures of FFAC are currently in draft format and will be finalised by end of 2011

Working procedures FFAC



Education & Training



- summer school
- OOS-seminar on DNA and fingerprints
- annual "educational" meeting
- training initiative: working towards a common training framework based on best practices
- identifying training requirements and providing solutions
- competency framework for all examiners



Detection Workshop



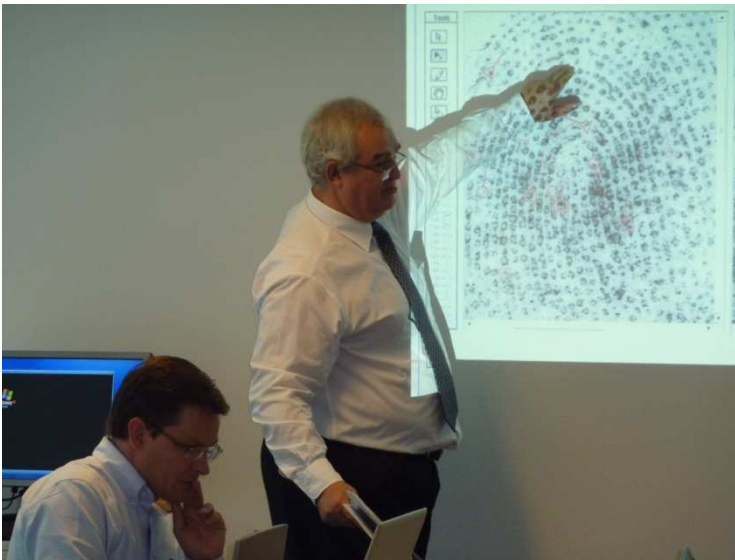
- workshop with topic „Use of forensic light sources“
- presentations and practical work





Bundeskriminalamt

Identification Workshop





Newsletter



- edition of at least two newsletter every year
- platform to publish information concerning forensic/fingerprint topics from all over the world, ENFSI and the WG members itself
- summarizations of results from different meetings

Newsletter No. 5 of the European Fingerprint Working Group May 2010



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Review Annual Meeting 2009

THE ANALYSIS OF THE EVALUATION SHEETS FROM LAST ANNUAL MEETING IN TAORMINA SHOWED, THAT THE MEETING WAS REALLY A SUCCESS. NOT ONLY THE PRESENTATIONS BUT ALSO THE WORKSHOPS WERE MOSTLY ASSESSED WITH 8 TO 10 POINTS, WHICH MEANS VERY GOOD. AND ALSO THE REACTIONS FROM MOST OF THE PARTICIPANTS CONCERNING THE WHOLE MEETING WERE

NEARLY ONLY POSITIVE. THE WHOLE EVALUATION WILL BE SENT OUT WITH SOME OTHER DOCUMENTS WITHIN THE NEXT DAYS. THANKS TO ALDO MATTEI AND HIS COLLEAGUES WHO DEDICATED A GREAT DEAL OF TIME AND EFFORT TO THE ORGANISATION OF THE EVENT, NOT ONLY DURING THE MEETING, BUT THROUGHOUT THE LAST YEAR.





Website



Welcome to the ENFSI Portal | **Annual activities**

Welcome Hilgert Monika | [Log off](#) or [Manage account](#)

European Network of Forensic Science Institutes

Fingerprint

NAVIGATION

- FINGERPRINT
- NEWSLETTER
- MEMBER LISTS
- STEERING COMMITTEE
- SUBGROUPS
- CORE DOCUMENTS
- ANNUAL ACTIVITIES**
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
 - 2003
 - 2002
 - 2001
- PROJECTS
- PROFICIENCY TESTS / COLLABORATIVE EXERCISES

Annual activities

- 2011: 11th annual meeting, **Riga**, Latvia
- 2010: 10th annual meeting, **Delft**, The Netherlands
- 2009: 9th annual meeting, **Taormina**, Italy
- 2008: 8th annual meeting, **Split**, Croatia
- 2007: 7th annual meeting, **Leeuwen**, Belgium
- 2006: 6th annual meeting, **Linköping**, Sweden
- 2005: 5th annual meeting, **Magdeburg**, Germany
- 2004: 4th annual meeting, **Tallinn**, Estonia
- 2003: 3rd annual meeting, **Istanbul**, Turkey
- 2002: 2nd annual meeting, **Cracow**, Poland
- 2001: 1st annual meeting, **Paris**, France

AGENDA

Annual Meeting of the Fingerprint Working Group
2011-09-14 Riga

- [Agenda overview](#)

SEARCH

Fertig



Collaboration between SoC-WG and EFP-Wg



- research projects (also under the Monopoly Frame)
- development of CE/CT
- collaboration with other associations inside and outside ENFSI
- EAFS 2012
- BPM
- SOPs



Collaboration with IAI



- quality assessment/improvement (standards for accreditation, good practice for detection and identification)
- competence assessment/improvement (standards for certification, education and training)
- methodology (guidelines, standards for identification)
- R&D (detection and identification)



- priorities for both organizations for the following years
- synergies possible?
- once the benefits have been established and a common event agreed in principle focus on more practical aspects of the organization of such an event