



GLOBAL CYBERCRIME CERTIFICATION

Law Enforcement training strategy on cybercrime and electronic evidence
in the Middle East and North Africa Region

Amman, Jordan
25 September 2019

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Universidad Autónoma de Madrid

Funded by the European Commission



ISF-2016-AG-IBA-ECTEG

CAPACITY BUILDING IN CYBERCRIME AT EU LEVEL

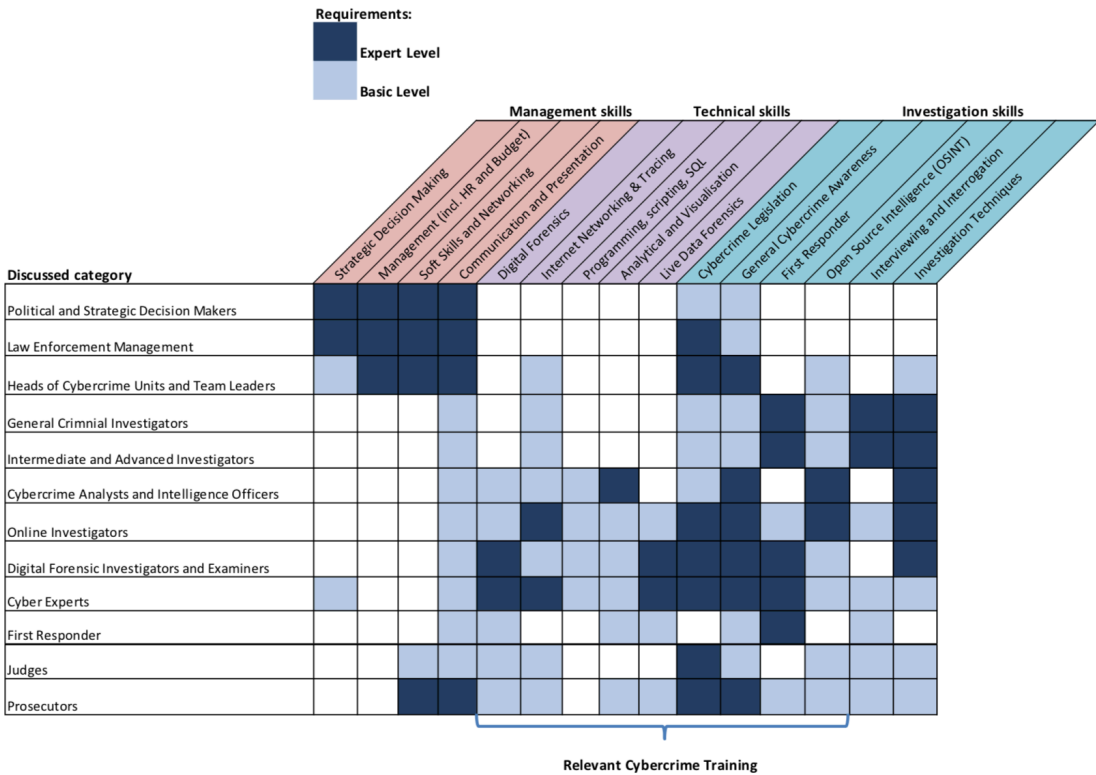


TRAINING COMPETENCY FRAMEWORK

Joint effort of CEPOL, Eurojust, Europol and ECTEG.

Main focus on the competency and skill sets of the main roles identified in the field of the fight against cybercrime.

Needs per role in terms of knowledge, skills and expertise.



TRAINING COMPETENCY FRAMEWORK

- It is a “living” document : some profiles will be added and skills are updated (Training Needs Assessment).
- The document is a tool available for all LEA to structure capacity building at national level. It is flexible to adapt to own national strategy.
- To be used to define training / education requirements and structure curriculum.
- For setting up international joint teams.
- Detailed skills and competences will be developed in the certification process (GCC).

TRAINING COMPETENCY FRAMEWORK

		Management skills				Technical skills				Investigation skills						
		Strategic Decision Making	Management (incl. HR and Budget)	Soft Skills and Networking	Communication and Presentation	Digital Forensics	Internet Networking & Tracing	Programming, scripting, SQL	Analytical and Visualisation	Live Data Forensics	Cybercrime Legislation	General Cybercrime Awareness	First Responder	Open Source Intelligence (OSINT)	Interviewing and Interrogation	Investigation Techniques
Discussed category																
Political and Strategic Decision Makers		Expert Level	Expert Level	Expert Level	Expert Level						Basic Level	Basic Level				
Law Enforcement Management		Expert Level	Expert Level	Expert Level	Expert Level						Expert Level	Basic Level				
Heads of Cybercrime Units and Team Leaders		Basic Level	Expert Level	Expert Level	Expert Level		Basic Level				Expert Level	Expert Level		Basic Level		Basic Level
General Criminal Investigators					Basic Level		Basic Level				Basic Level	Basic Level	Expert Level	Basic Level	Expert Level	Expert Level
Intermediate and Advanced Investigators					Basic Level		Basic Level				Basic Level	Basic Level	Expert Level	Basic Level	Expert Level	Expert Level
Cybercrime Analysts and Intelligence Officers					Basic Level	Basic Level	Basic Level	Basic Level	Expert Level		Basic Level	Expert Level		Expert Level		Expert Level
Online Investigators					Basic Level	Basic Level	Expert Level	Basic Level	Basic Level	Basic Level	Expert Level	Expert Level	Basic Level	Expert Level	Basic Level	Expert Level
Digital Forensic Investigators and Examiners					Basic Level	Expert Level	Basic Level	Basic Level	Basic Level	Expert Level	Expert Level	Expert Level	Expert Level	Basic Level		Expert Level
Cyber Experts		Basic Level				Basic Level	Expert Level	Basic Level	Basic Level	Expert Level	Expert Level	Expert Level	Expert Level	Basic Level	Basic Level	Basic Level
First Responder					Basic Level	Basic Level			Basic Level	Basic Level		Basic Level	Expert Level		Basic Level	
Judges				Basic Level	Basic Level	Basic Level	Basic Level				Expert Level	Basic Level		Basic Level	Basic Level	Basic Level
Prosecutors				Expert Level	Expert Level	Basic Level	Basic Level		Basic Level	Basic Level	Expert Level	Expert Level	Basic Level	Basic Level	Basic Level	Basic Level

Relevant Cybercrime Training



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PARTNERS



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**Hochschule
Albstadt-Sigmaringen**
University of Applied Sciences

ABOUT GCC

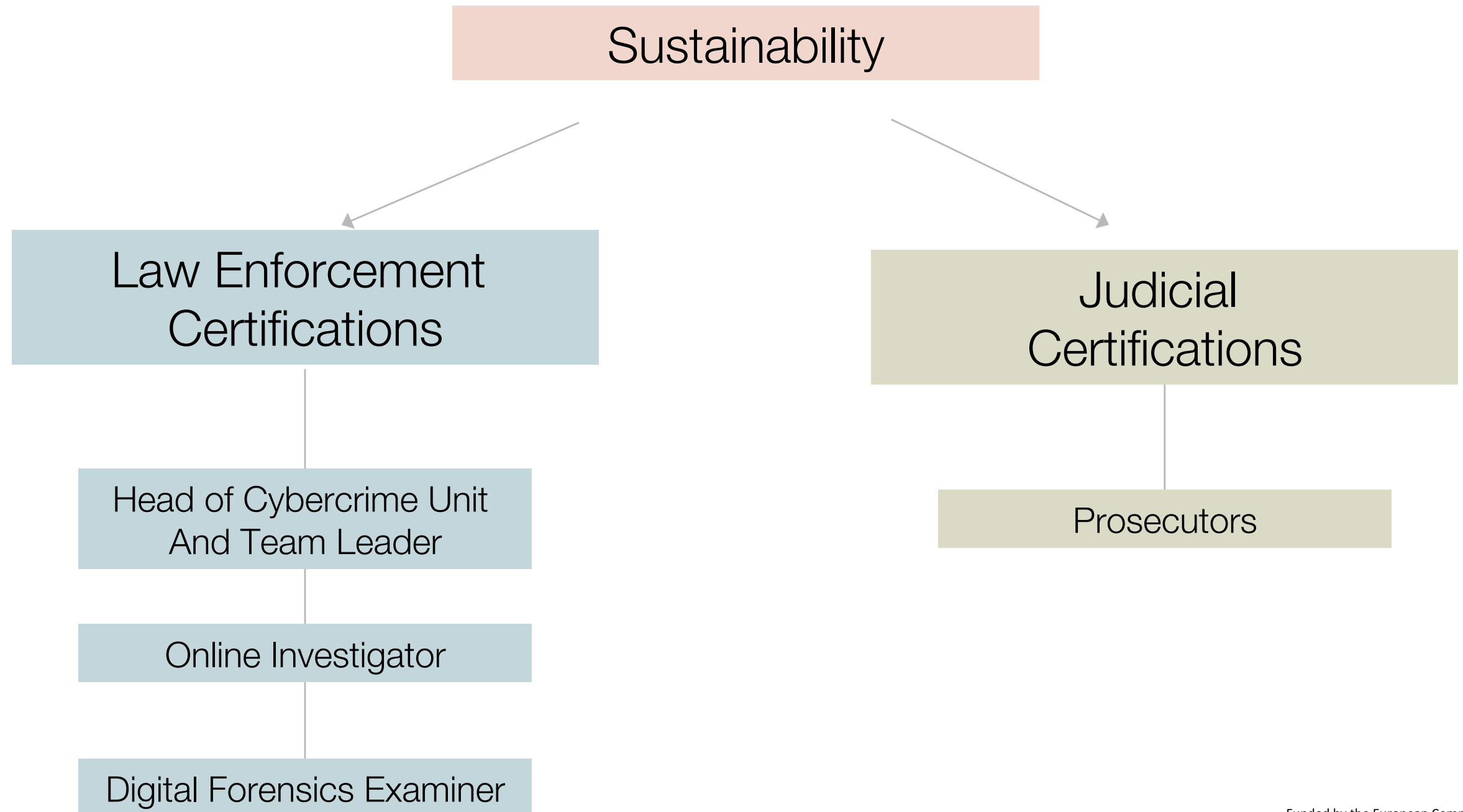


The main goal is the creation of an international certification framework based on the Training Competency Framework for Cybercrime for LEAS and Judicial Authorities, by:

- Ensuring the sustainability of the certification framework
- Developing certification requirements and examinations.
- Validating the certification requirements with practitioners, experts and stakeholders.
- Deploying different certification pilots.



PROJECT STRUCTURE



THE PROFILES



Requirements:

Expert Level

Basic Level

Discussed category	Management skills					Technical skills					Investigation skills				
	Strategic Decision Making	Management (incl. HR and Budget)	Soft Skills and Networking	Communication and Presentation	Digital Forensics	Internet Networking & Tracing	Programming, scripting, SQL	Analytical and Visualisation	Live Data Forensics	Cybercrime Legislation	General Cybercrime Awareness	First Responder	Open Source Intelligence (OSINT)	Interviewing and Interrogation	Investigation Techniques
Political and Strategic Decision Makers	Expert	Expert	Expert	Expert							Basic				
Law Enforcement Management	Expert	Expert	Expert	Expert							Basic				
Heads of Cybercrime Units and Team Leaders	Basic	Expert	Expert	Expert		Basic					Basic	Expert			Basic
General Criminal Investigators					Basic	Basic					Basic	Expert	Basic	Expert	Expert
Intermediate and Advanced Investigators					Basic	Basic	Basic	Expert			Basic	Expert	Basic	Expert	Expert
Cybercrime Analysts and Intelligence Officers					Basic	Basic	Basic	Expert			Basic	Expert	Basic	Expert	Expert
Online Investigators					Basic	Basic	Basic	Basic	Basic	Basic	Basic	Expert	Basic	Expert	Expert
Digital Forensic Investigators and Examiners					Basic	Expert	Basic	Basic	Basic	Basic	Basic	Expert	Basic	Expert	Expert
Cyber Experts					Basic	Expert	Basic	Basic	Basic	Basic	Basic	Expert	Basic	Expert	Expert
First Responder					Basic	Basic		Basic	Basic		Basic	Expert		Basic	
Judges			Basic	Basic		Basic				Basic	Basic		Basic		Basic
Prosecutors			Expert	Expert	Basic	Basic		Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic

Relevant Cybercrime Training

THE PROFILES



HEAD OF CYBERCRIME UNIT AND TEAM LEADER
Strategic Decision Making
Management (HR and Budget)
Soft Skills and Networking
Communication (incl. Presentation)
Internet Networking & Tracing
Cybercrime legal knowledge
General Cybercrime Awareness
Open Source Intelligence
Investigation techniques

THE PROFILES



ONLINE INVESTIGATOR

Communication (incl. Presentation)

Digital Forensic Skills

Internet Networking & Tracing

Programming, scripting, SQL

Analytical & Visualization Skills

Live Data Forensics

Cybercrime Legal Knowledge

General Cybercrime Awareness

First Responder Training

Open Source Intelligence

Interviewing & Interrogation

Investigation Techniques

THE PROFILES



DIGITAL FORENSIC EXAMINER AND INVESTIGATOR

Communication (incl. Presentation)

Digital Forensic Skills

Internet Networking & Tracing

Programming, scripting, SQL

Analytical & Visualization Skills

Live Data Forensics

Cybercrime Legal Knowledge

General Cybercrime Awareness

First Responder Training

Open Source Intelligence

Investigation Techniques

THE PROFILES



PROSECUTOR

Soft Skills and Networking

Communication (incl. Presentation)

Digital Forensics

Internet Networking & Tracing

Analytical and Visualisation

Live Data Forensics

Cybercrime Legal Knowledge

General Cybercrime Awareness

First Responder Training

Open Source Intelligence

Interviewing and Interrogation

Investigation Techniques

CURRENT SITUATION



- Existing national level recognition :
 - Only a few countries
 - Quickly outdated
- Existing “international” certifications :
 - Based on “tool” knowledge
 - Based on course attendance (expensive)
 - Competition model



ADDED VALUE



- EU (global) harmonisation
- Well adapted to the evolution of technology
- Tool and training neutral
- Partnership with academic world
- Evaluation from the practitioners
- Mutual recognition of practitioners (LEAs and Judicial Authorities)
- Enhances international trust
- International database of experts



CERTIFICATION PRINCIPLES



- The certification will not be linked to any specific trainings, nor will the project deliver any training.
- The cost of certification is to be as cost-effective as possible (pilots will be free).
- Given that the certificates will be competency-linked then assessment will be pass/fail only.
- The certifications have have a limited lifespan.

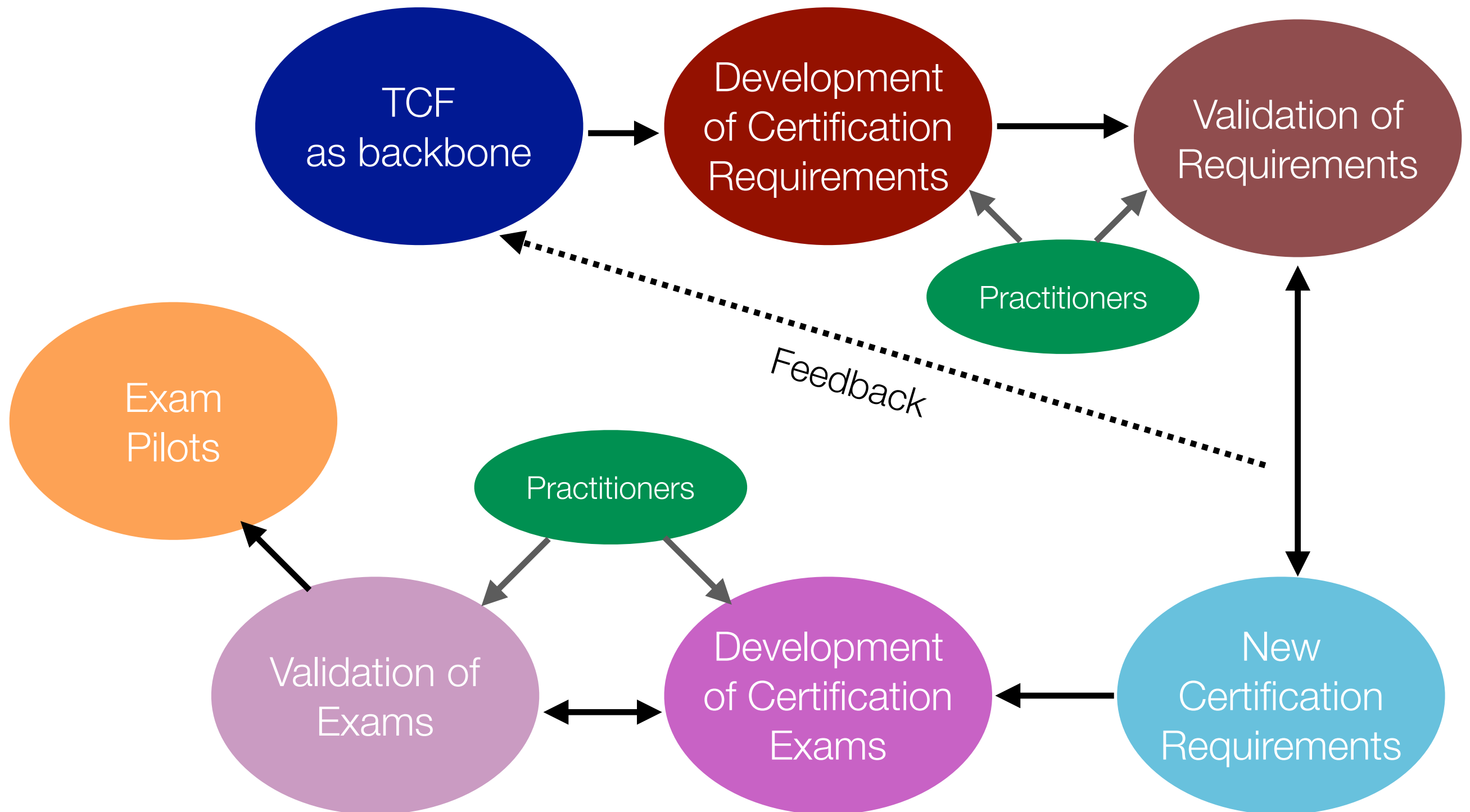


GCC PROCESS

Funded by the European Commission



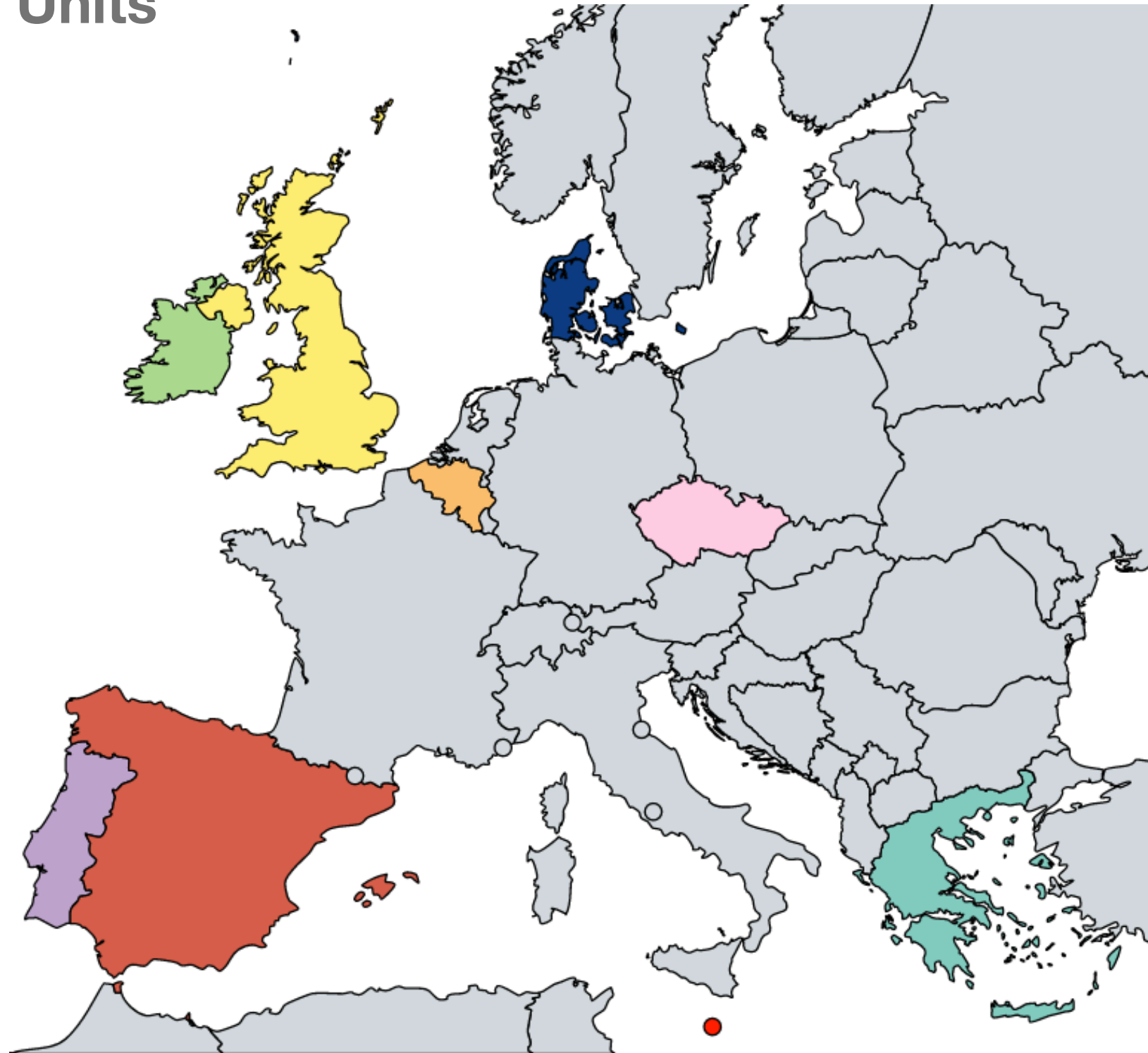
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HEAD OF CYBERCRIME UNIT AND TEAM LEADER

10 Heads of Cybercrime Units

- Spain
- Portugal
- UK
- Ireland
- Belgium
- Denmark
- Greece
- Malta
- Czech Republic



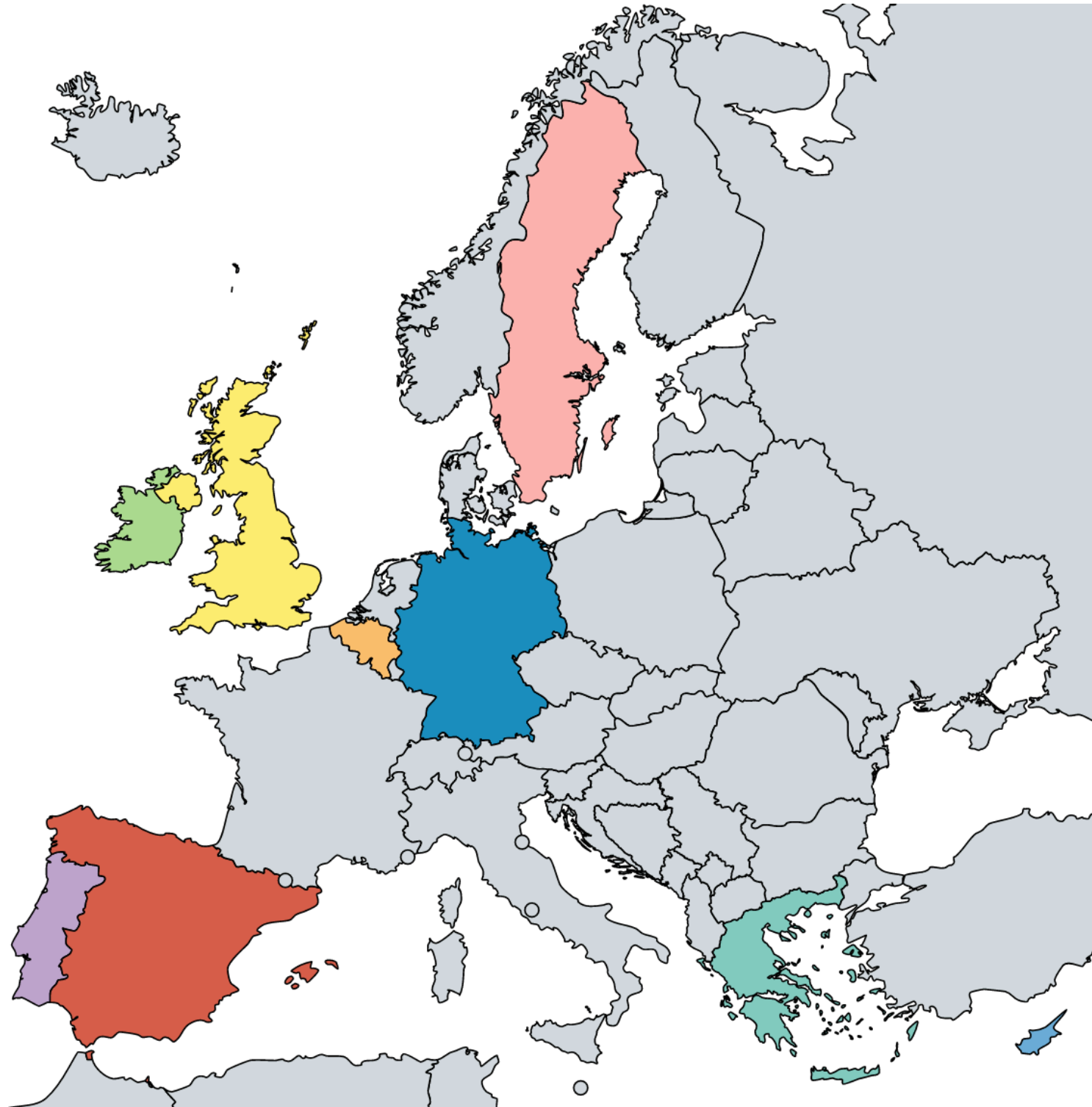
Heads of Cybercrime Units and Prosecutors Final Workshop



HEAD OF CYBERCRIME UNIT AND TEAM LEADER

9 Online Investigators

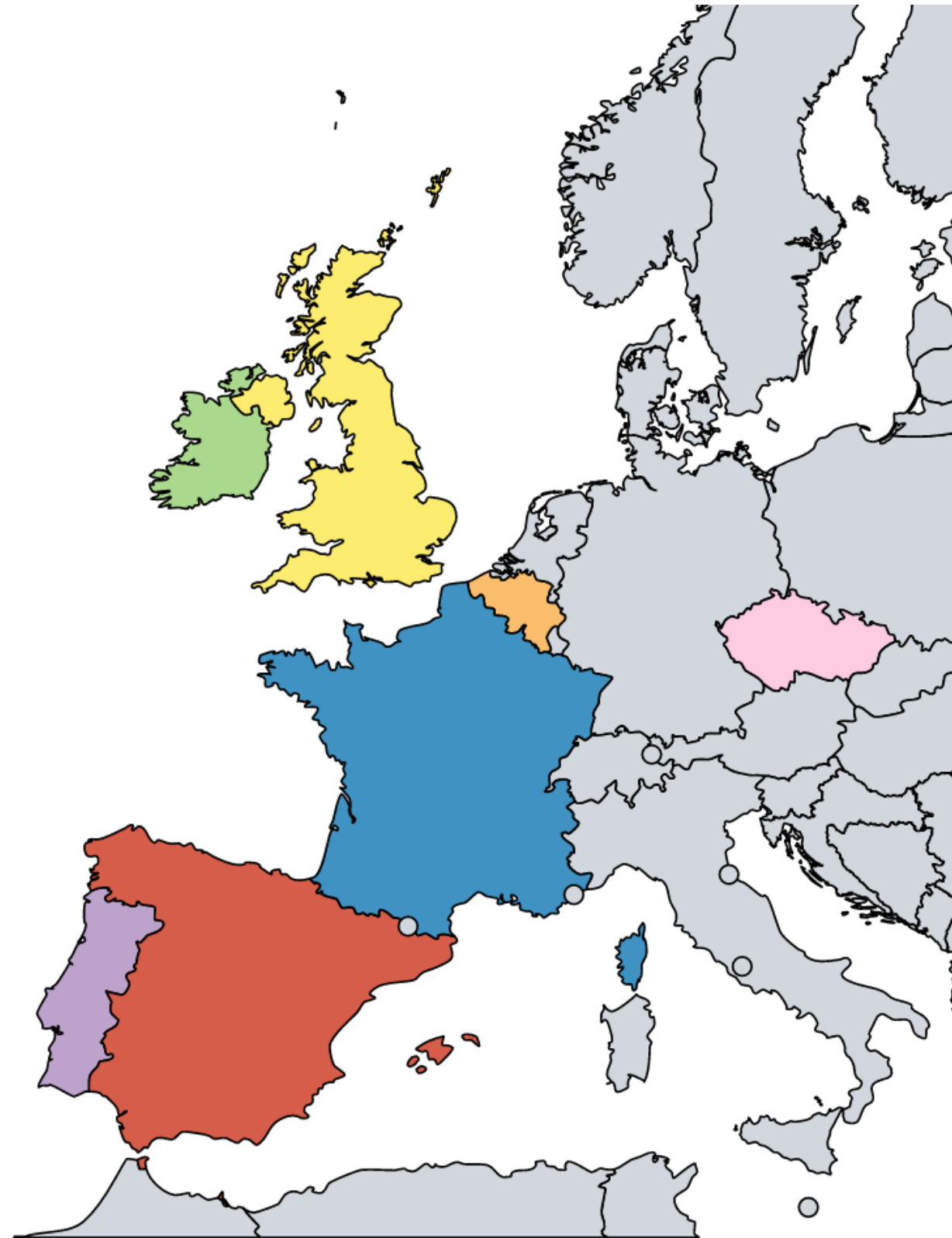
- Spain
- Portugal
- UK
- Ireland
- Belgium
- Germany
- Sweden
- Greece
- Cyprus



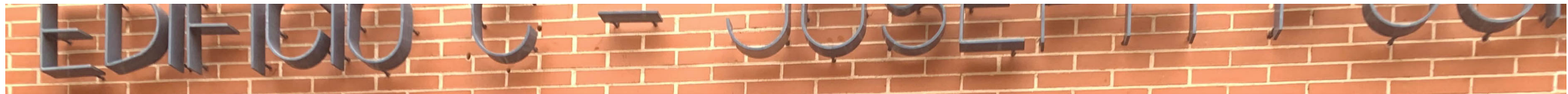
HEAD OF CYBERCRIME UNIT AND TEAM LEADER

11 Digital Forensic Examiners

- Spain
- Portugal
- UK
- Ireland
- Belgium
- France
- Czech Republic



Online Investigators and Digital Forensic Examiners Final Workshop



GCC WORKSHOP ONLINE INVESTIGATORS AND DIGITAL FORENSIC EXAMINERS

Universidad Autónoma de Madrid
4-5 April 2019



THE FUTURE OF GCC

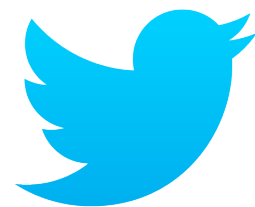


- Continuation of validation process of first 4 roles
- Pilots and fine tuning of first 4 roles
- Tackling new roles - undergoing same process
- Examinations available in most EU countries
- Keeping the certifications up to date

CONTACT INFORMATION



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