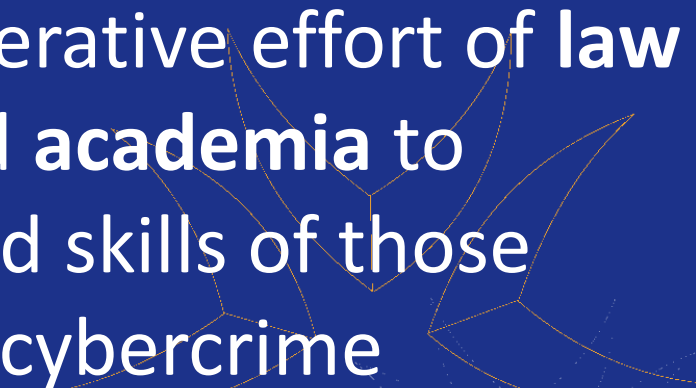# 2CENTRE

A collaborative model for capacity building against cybercrime

Cormac Callanan
2CENTRE Industry Liaison
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# What is 2CENTRE?

* An embryonic network of **National Cybercrime Centres of Excellence in Training Research and Education**

* A national centre is a cooperative effort of **law enforcement**, **industry** and **academia** to improve the knowledge and skills of those responsible for combating cybercrime

# Benefits

* Benefits include
  – academically accredited training
  – development of tools against cybercrime
  – results from research activities
* The network is being created
  – to share resources
  – to ensure the further development of products and services internationally

2CENTRE
Cybercrime Centres
of Excellence Network

FOR TRAINING RESEARCH AND EDUCATION

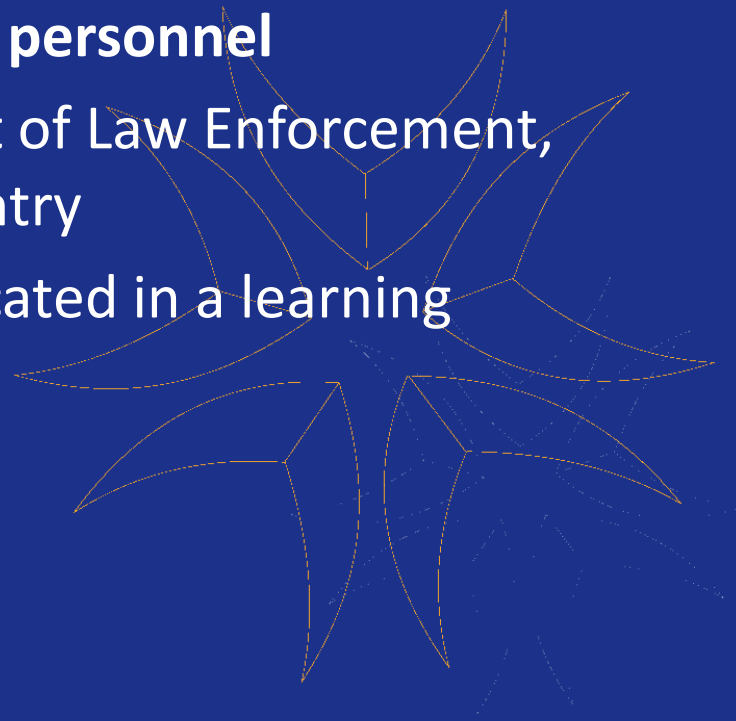# 2008 Report
# Cybercrime Training - A Vision for the Future

✳ *"Co-operation between LE, Industry and Academia to deliver long term sustainable training to key cybercrime personnel"*

✳ Report prepared within the framework of the informal Law Enforcement – Industry working group hosted by University College Dublin.

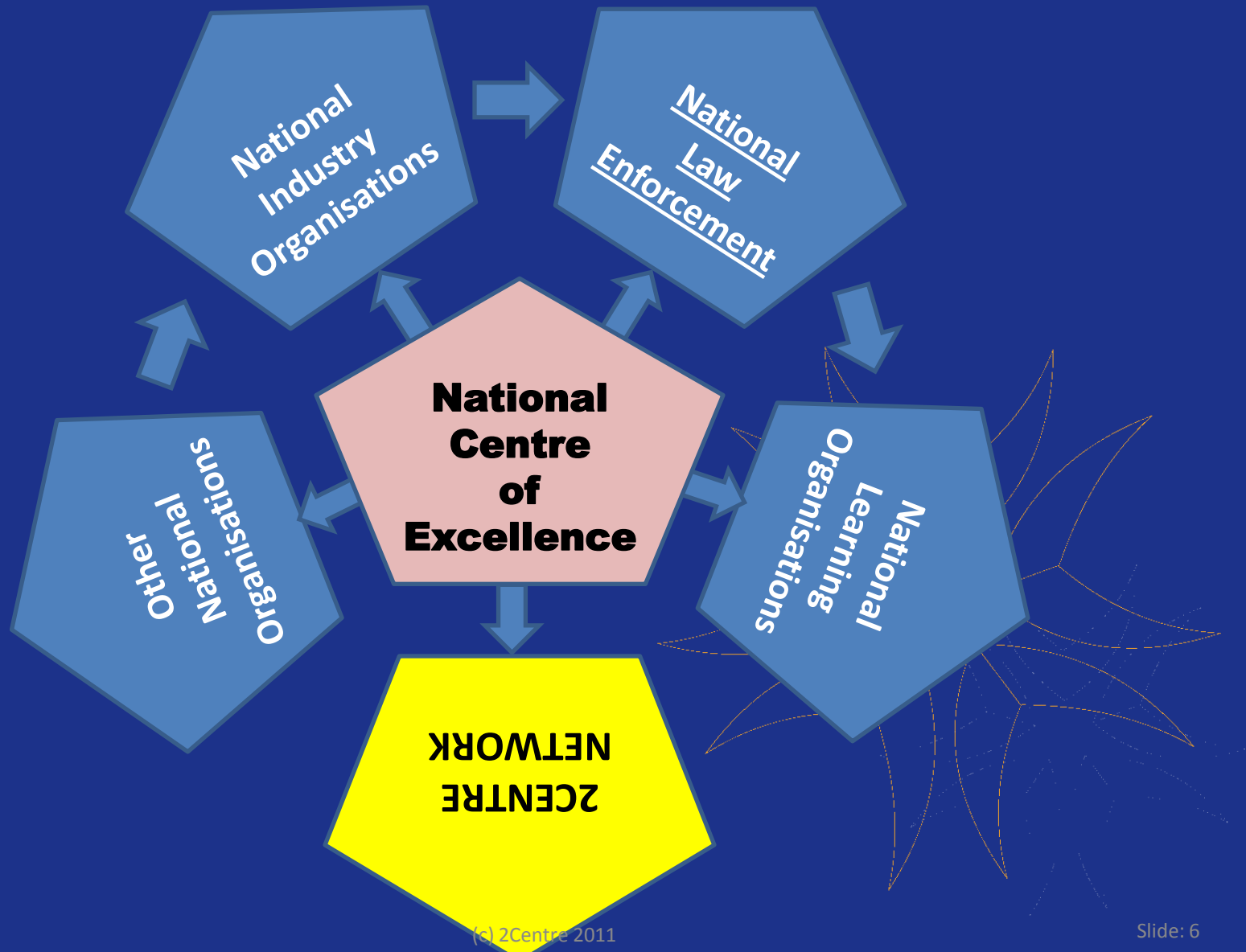✳ Prepared by: Cormac Callanan and Nigel Jones

✳ Adopted at Octopus 2008

# Report Recommendations

* Countries encouraged to create Centres of Excellence in IT Forensics and Cybercrime Investigation to provide **sustainable**, **scalable**, **standards-based** and **measurable-learning** opportunities **to law enforcement and relevant industry personnel**

* Centres of Excellence should consist of Law Enforcement, Industry and Academia in each country

* Each Centre should be physically located in a learning organisation in each country

# National Centres of Excellence

National Industry Organisations

National Law Enforcement

National Centre of Excellence

Other National Organisations

National Learning Organisations

2CENTRE NETWORK

# CURRENT STATUS

# Milestones

- ✳ Report adopted in Council of Europe Cybercrime Octopus meeting                                     Mar 2009

- ✳ Public meeting                                     May 2009

- ✳ Bid submitted for EC Funding                                     Jul 2009

- ✳ Proposal accepted                                     Jan 2010

- ✳ Contract signed                                     Nov 2010

- ✳ First Tranche of Funding arrives                                     Apr 2010

- ✳ Belgian Centre of Excellence contract                                     May 2010

- ✳ Estonian Centre of Excellence contact                                     Oct 2010

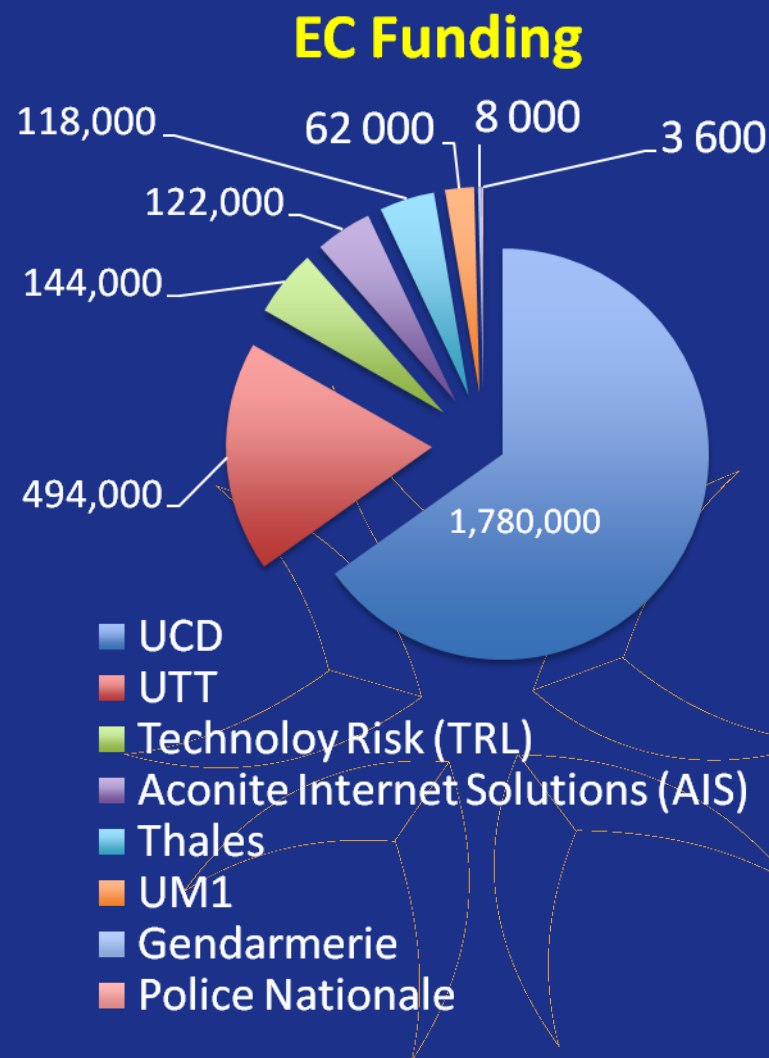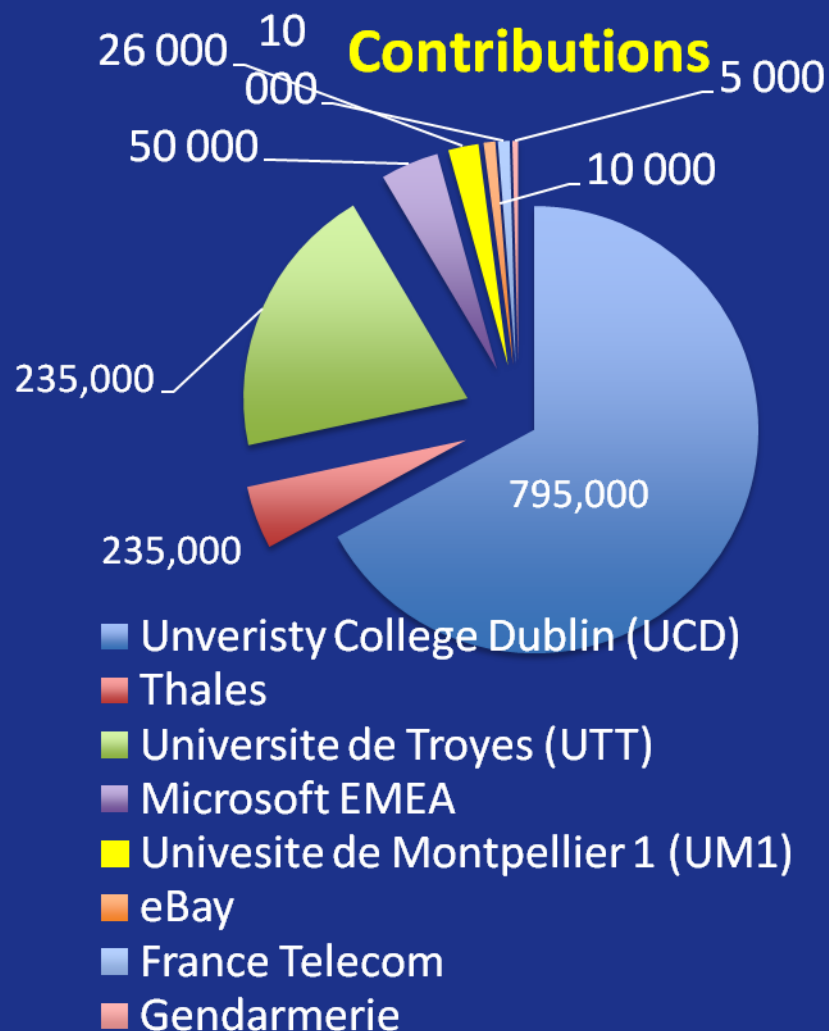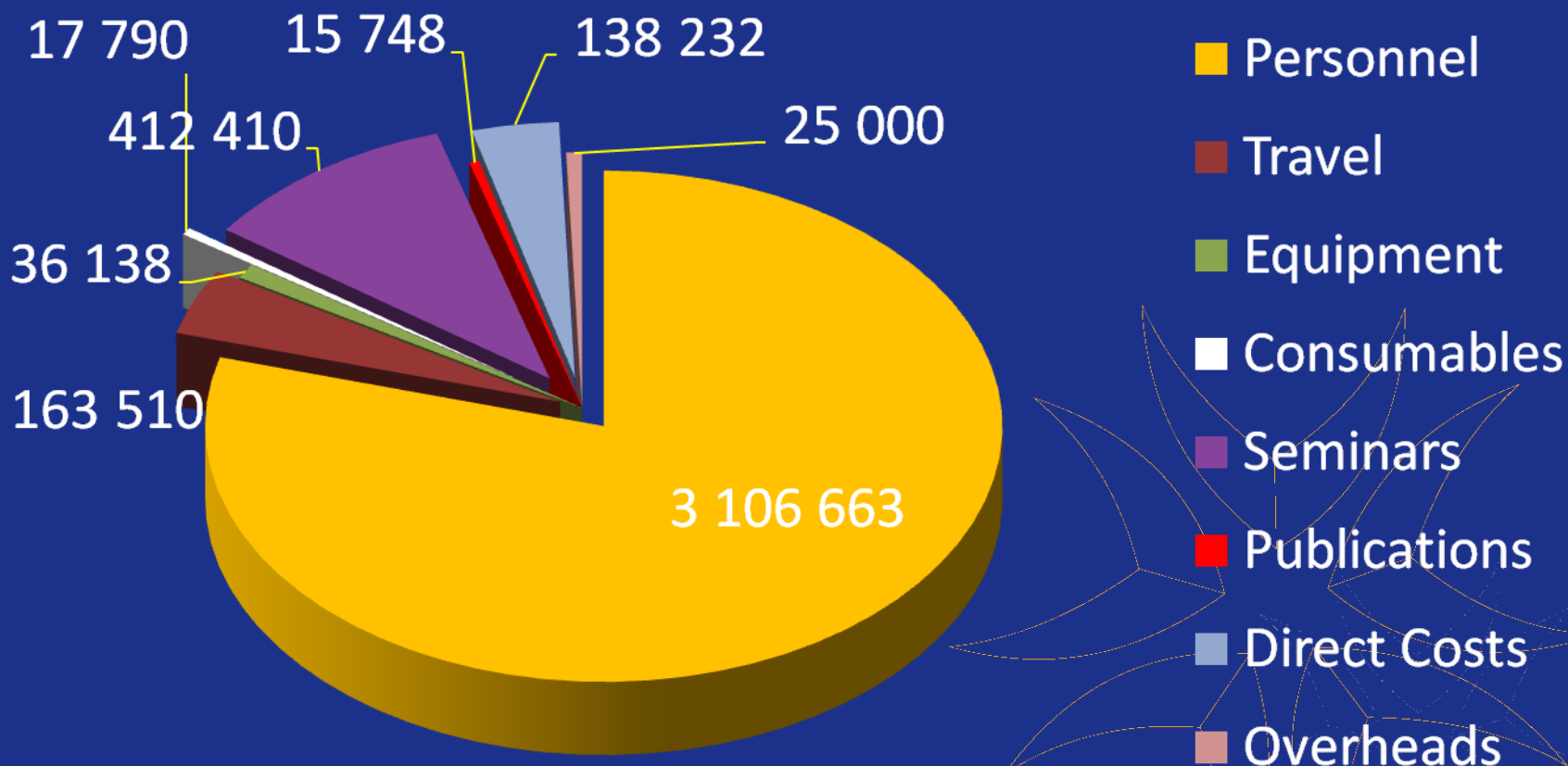- ✳ 2CENTRE project runs until                                     Feb 2013

# 2CENTRE funding

✳ Funding request submitted in July 2009 under the European Commission ISEC programme to create 2CENTRE- a Network of Cybercrime Centre's of Excellence.

✳ Partners

– University College Dublin in Ireland

– Université de Technologie de Troyes and Montpellier 1 in France

– Collboration with LEA in Ireland and France

– industry players (Irish Banking Federation, eBay, Microsoft)

✳ Network Coordination Centre (2CENTRE) was important element of the proposals

# 2Centre EC Funded Project



**Contributions**

26 000
10 000
50 000
5 000
10 000
235,000
235,000
795,000

- Unveristy College Dublin (UCD)
- Thales
- Universite de Troyes (UTT)
- Microsoft EMEA
- Univesite de Montpellier 1 (UM1)
- eBay
- France Telecom
- Gendarmerie

**EC Funding**

118,000
62 000
8 000
3 600
122,000
144,000
494,000
1,780,000

- UCD
- UTT
- Technoloy Risk (TRL)
- Aconite Internet Solutions (AIS)
- Thales
- UM1
- Gendarmerie
- Police Nationale

# Project Costs



Pie chart "Project Costs":

- 17 790
- 15 748
- 138 232
- 412 410
- 25 000
- 36 138
- 163 510
- 3 106 663

Legend:
- Personnel
- Travel
- Equipment
- Consumables
- Seminars
- Publications
- Direct Costs
- Overheads

Current Activities

* Masters Degree in Forensic Computing & Cybercrime Investigation
* Academic support partners for Europol and INTERPOL working groups on cybercrime.
* Development and delivery of specialist training courses to LE service partners – Europol, INTERPOL and OSCE.
* Management of AGIS course upgrades on behalf of the Europol Cybercrime Investigation Training Harmonisation group.
* Development of trainer programmes to support training
* Programme delivery, accreditation and evaluation
* Sponsored research into online financial crimes
* Validation of forensic computing tools

# French Centre of Excellence Objectives : Promote cooperation and learning

Promote cooperation within the French cybercrime-fighting community (LE, academia, NGOs, industry)

* Benchmark and study best practices of Centres ef Excellence and networks, and cybercrime centers worldwide
* Create and manage a non-profit collective organization « association loi 1901»
* Develop and operate the platform for exchanges (web site, meetings, students)
* Analyse needs and define specific projects, find additional funding
* Help improve training throughout community

Final output

* Define what a large-country Centre of Excellence could/should be
* Help candidate partners to qualify as component of the French Centre of Excellence
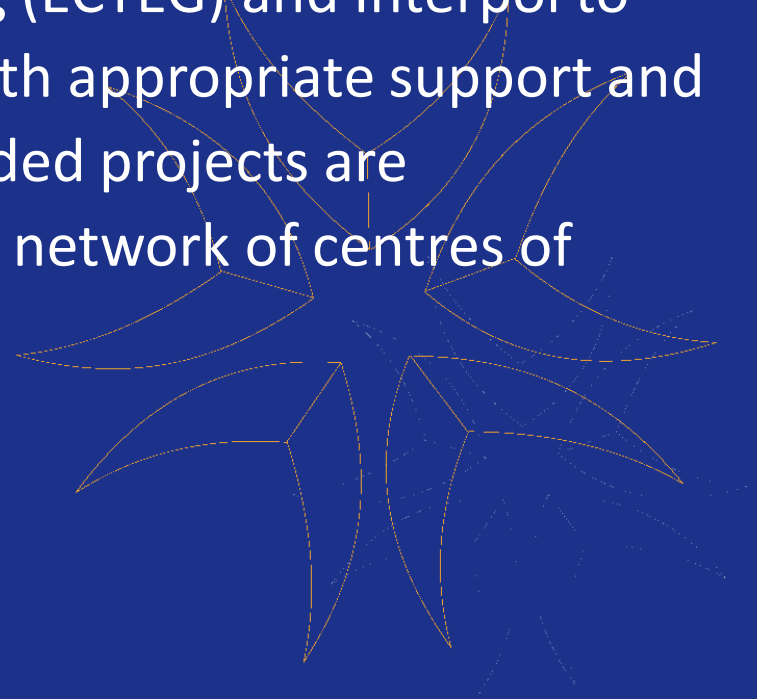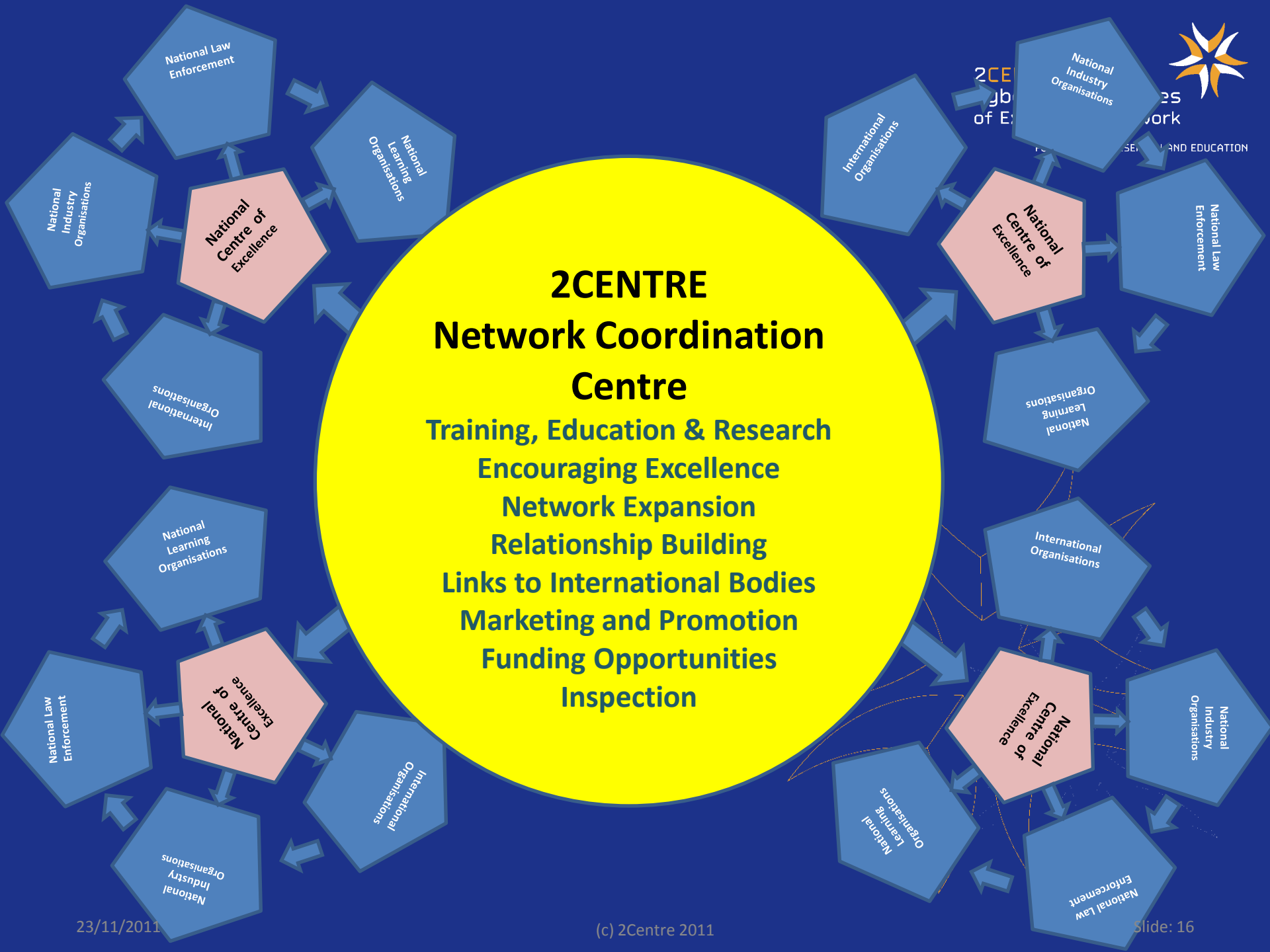
# Network Expansion

- International organisations are encouraged to participate in and benefit from the creation of the 2CENTRE Network

- Long term aim is to create a sustainable network that will expand beyond European borders and seek to provide a training, research and education resource for Law Enforcement and Industry personnel tasked with combating cybercrime.

# Focus

* Centres of Excellence in **training research and education** are encouraged to aspire to membership of the 2CENTRE Network

* The project works closely with the Europol Working Group on the harmonisation of cybercrime training (ECTEG) and Interpol to ensure that their work is provided with appropriate support and the outcomes of the previous EC funded projects are incorporated within the plans for the network of centres of excellence as it develops.
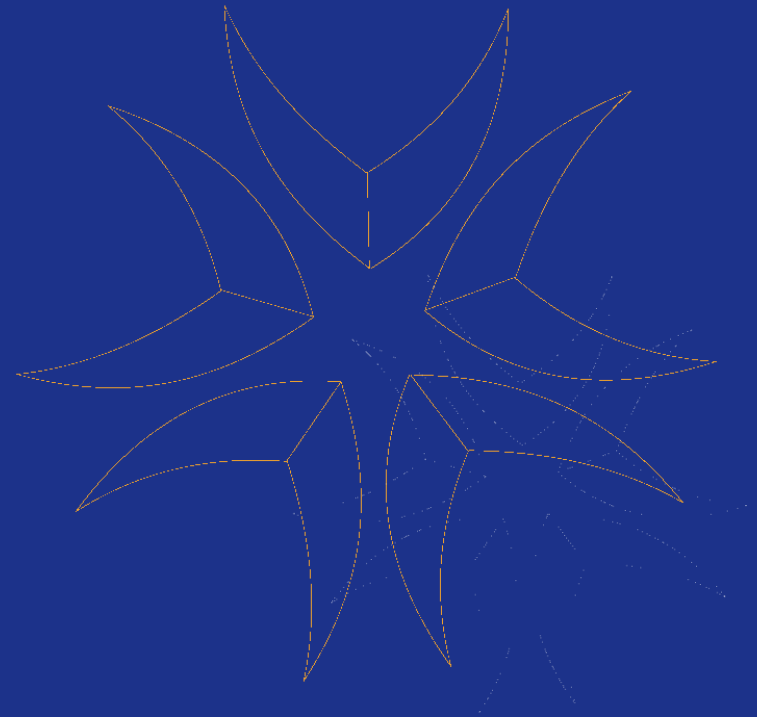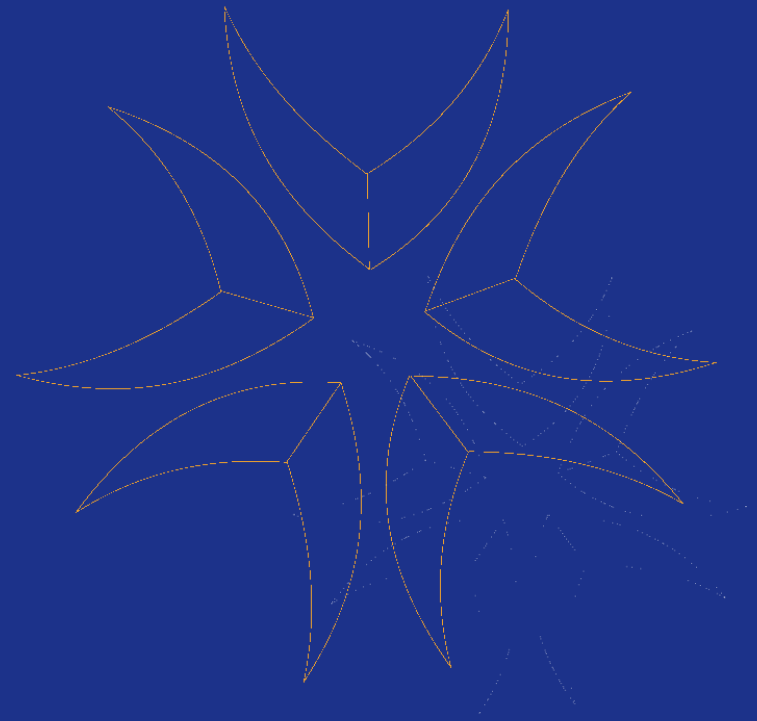
2CENTRE
Network Coordination
Centre
Training, Education & Research
Encouraging Excellence
Network Expansion
Relationship Building
Links to International Bodies
Marketing and Promotion
Funding Opportunities
Inspection

National Law Enforcement
National Learning Organisations
National Industry Organisations
National Centre of Excellence
International Organisations

International Organisations
National Industry Organisations
National Centre of Excellence
National Law Enforcement
National Learning Organisations

National Learning Organisations
National Law Enforcement
National Centre of Excellence
International Organisations
National Industry Organisations

International Organisations
National Centre of Excellence
National Learning Organisations
National Industry Organisations
National Law Enforcement

# NEXT STEPS

# Next steps

- New Centres of Excellence forming

- Defining what a Centre of Excellence is and the essential links with national police

- Networks Structures being created

- Membership Procedures

- Outreach to other countries

# New Centres of Excellence

* Belgium
* Estonia

* Scotland?
* Spain?
* UK?
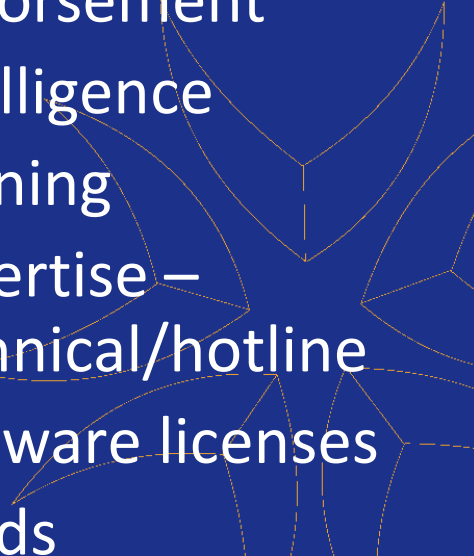* Germany?
* Netherlands?
* Lebanon?
* PRC Hong Kong?
* Others?

# Role of industry

## Industry Forum – Brussels, May 2011

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FOR TRAINING RESEARCH AND EDUCATION

**GET**

* Effective use of resources
* Efficient interactions with law enforcement
* Increase cybercrime awareness and needs
* Public relations
* Maximise effect of investment in cybercrime
* Intelligence

**GIVE**

* Criminal Compliance
* Support
* Promotion
* Endorsement
* Intelligence
* Training
* Expertise – technical/hotline
* Software licenses
* Funds

# Why Join

✷ 2CENTRE is an inclusive project welcoming involvement from within and beyond European borders.

✷ Coordinated training programmes are the only effective mechanism for the future

✷ Opportunities to collaborate in developing the network

✷ Access to existing and future training products

✷ Contributing as well as receiving

✷ It is a sensible thing to do!

# How to Join

- Good Question – We do not know yet!
- What is a centre of excellence?
- Structure, criteria, best practice, etc
- 2Centre structure and legal formation
- 2Centre membership structure
- Membership Criteria
- Advisory Board
- Role, membership, selection, functions
- Stakeholder support

# How we can help you to Join

* Advice

* Contacts

* Bursary programme

* Opportunities to attend:

  – 2CENTRE partner meetings

  – Advisory board meetings

  – New centre development meetings

* Ongoing information and support

# www.2centre.eu

Home  Documents  Events  ECTEG  Contact  Links  Members

**2CENTRE**
Cybercrime Centres
of Excellence Network

FOR TRAINING RESEARCH AND EDUCATION

## 2Centre Network

Network Coordinator ▶
France ▶
Ireland ▶

Cybercrime Centres of Excellence Network for Training Research and Education

## 2Centre

The 2centre EC project comprises of

- a Network Coordination node
- a Centre of Excellence in Ireland (University College Dublin, CCI)
- a Centre of Excellence in France (Universities of Troyes and Montpellier 1)

**CLICK here FOR CONTACT DETAILS.**

A proposal for funding 2CENTRE was submitted to the EC in July 2009 and was accepted for negotiations in January 2010. The negotiations completed in October 2010 and the contract was signed on 29th October 2010.

The report is available from this website in the documents section. Further information is also available on http://www.coe.int/cybercrime.

This study was financially supported by Microsoft. A working group was created to provide input to the document. The mailing list is used to send notifications of meetings and events relating to the work of 2centre. You can join this list by sending an email to wg-subscribe@2centre.eu with the body of the email containing the word "subscribe" You can also create an account on this website - in the members section - and participate in forums.

2C-Coord

# How you can help us



- ✳ Membership Procedures Discussion Document
- ✳ Membership Application Form
- ✳ Network Structure Survey

# Contacts

## 2Centre Network Node

✳ Cormac Callanan
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✳ Nigel Jones
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## Centre of Excellence IRELAND

✳ University College Dublin
Ms. Cheryl Baker

## Centre of Excellence FRANCE

✳ Universite de Troyes
Mr. Louis Joseph Brossolet

✳ Universite de Montpellier 1
Mr. Adel Jomni