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16TH GCC eGOVERNMENT AND eSERVICES FORUM

May 22-26, 2010 - Al
Bustan Rotana Hotel -
Dubai, UAE

a secured eGovernment case study:

Judicial and Law enforcement cooperation between EU Member States and EU agencies

Mr Abdelkrim Boujraf

2

- 12+ years implementing/studying exchange of judicial and police information
- President of non-profit organisation
- Master in Business administration (Minor IS and Human Resources)
- Graduate in Computer Sciences

Safer Internet Work Programme

Enhancing law enforcement agencies' analysis of illegal material within peer-to-peer (p2p) networks.

The Targeted Audience / Meta-Tags

4

- Ministry of Education
- Ministry of Justice
- Ministry of Interior
- Biometry
- Profiling
- Peer-to-peer networks

5

Safer Internet Work Programme

Introduction

Safer Internet Work Programme

6

- Recommendation on the protection of minors and human dignity and the right of reply
- Communication on cybercrime
- Com. on the rights of the child
- Com. on future networks and the internet
- Audiovisual Media Services Directive

Safer Internet Work Programme (aim)

7

- *“...to promote safer use of Internet and other communication technologies,*
- *to educate users - particularly children, parents and careers - in this regard,*
- *and to fight against illegal content and harmful conduct online...”*

Safer Internet Work Programme (aim)

8

- Duration: 2009 to 2013 (€ 55 million)
- Four areas of action:
 - ▣ ensuring public awareness
 - ▣ fighting against illegal content and tackling harmful conduct online
 - ▣ promoting a safer online environment
 - ▣ establishing a knowledge base

Coordination of “the programme”

9

- The Commission ensures the coordination of different stakeholder groups through:
 - ▣ a Coordination Group representing all the networks co-funded by the programme
 - ▣ focus groups including Safer Internet projects, industry, parents' associations, teachers' representatives etc
- Meets twice a year

10

Safer Internet Work Programme

The project types

Project types

11

- **Targeted projects**
- Integrated network - European network of Safer Internet Centres
- European coordination of Safer Internet Centres
- Thematic networks

Targeted projects

12

- The issues address a European dimension
- Pilot projects or best practice actions
- Projects involving innovative uses of existing technology
- The results of the project must be accessible by the target users beyond the end of the project

Safer Internet Work Programme

Enhance law enforcement agencies' analysis of illegal material within peer-to-peer (p2p) networks.

Enhancing law enforcement agencies' analysis of illegal material within p2p networks

14

- ***“...developing or enhancing technological tools for the specific needs of the police, aiming at identifying and facilitating the analysis of evidence material found in P2P networks...”***

15

Enhancing law enforcement agencies' analysis of illegal material within p2p networks

The proposal

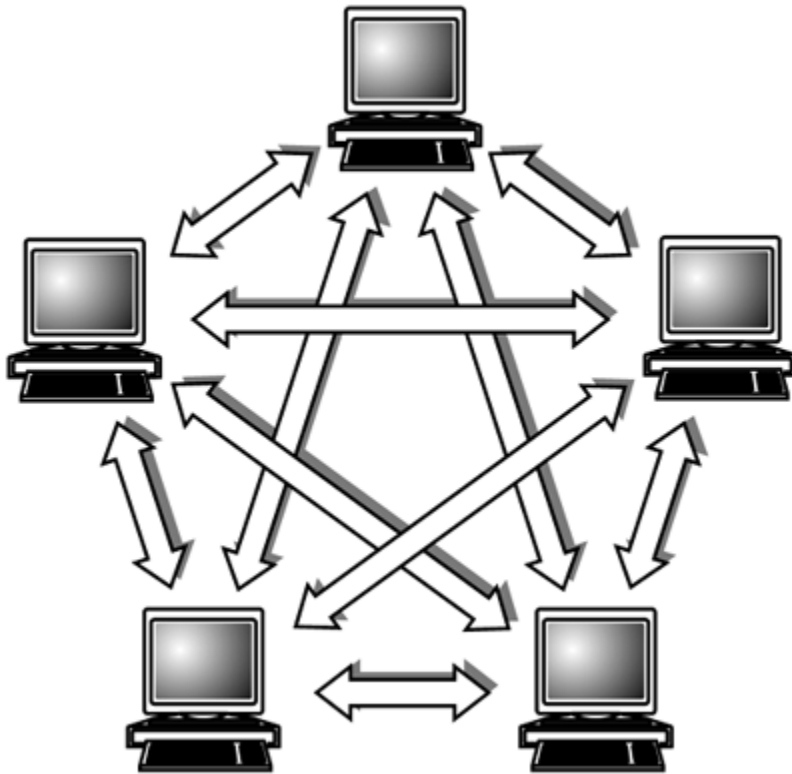
...found in P2P networks

16

- *“... is any distributed network architecture composed of **participants that make a portion of their resources ...directly available to other network participants, without the need for central coordination instances...**”*

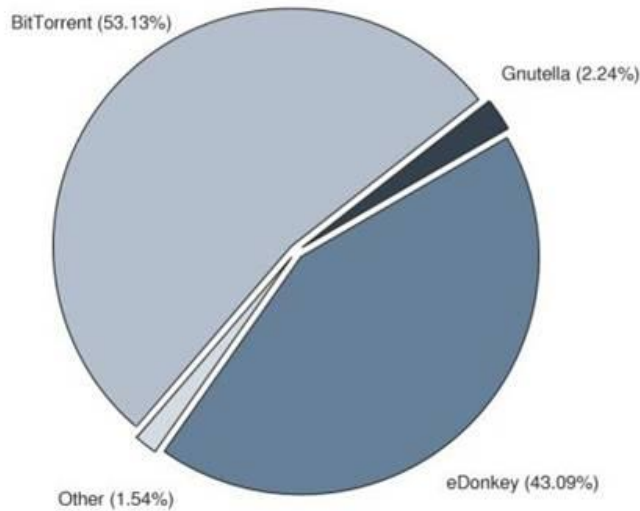
...found in P2P networks

17

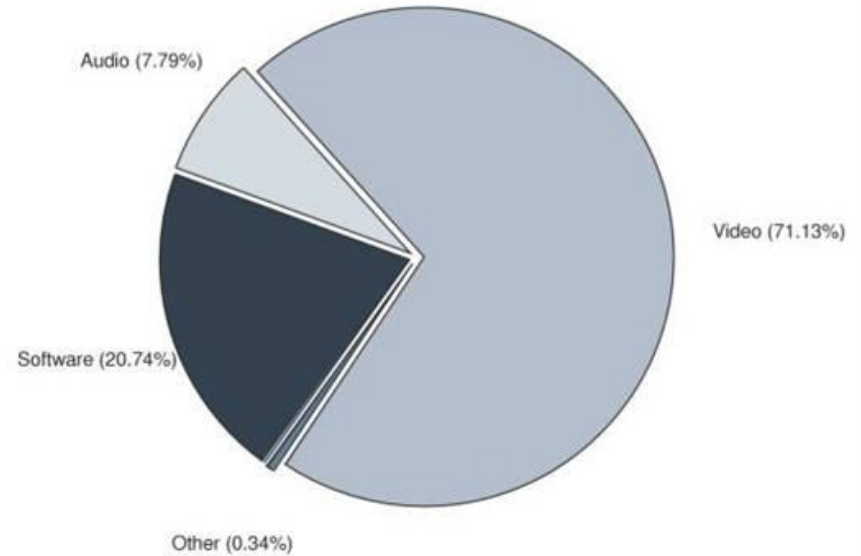


...found in P2P networks

Distribution of P2P-Protocols
Germany, October 2006



BitTorrent Traffic
Germany, October 2006



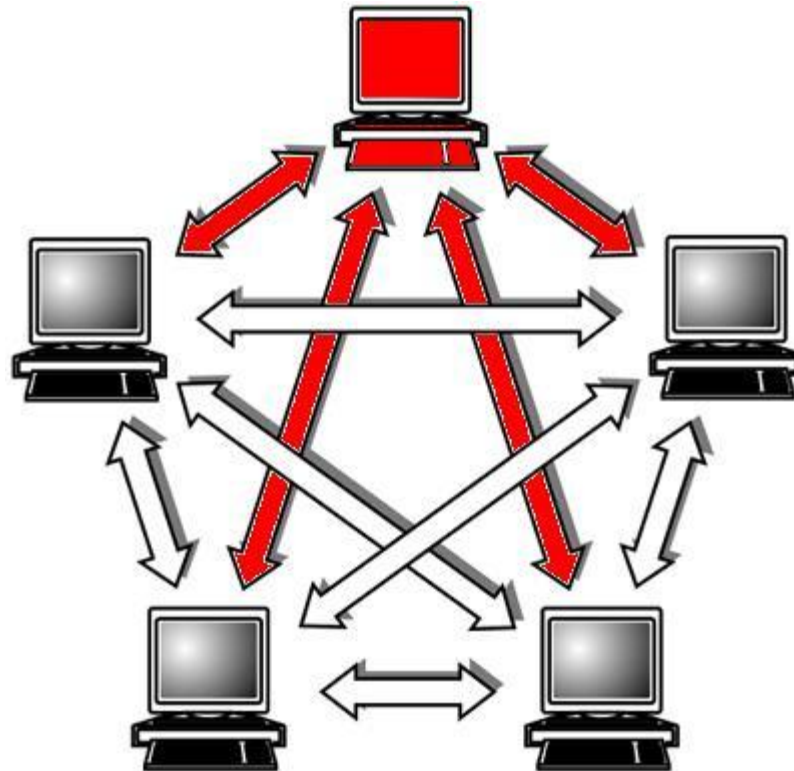
...found in P2P networks

19

- Content based information retrieval
 - Pictures and Videos
- File names
- Profiles of the users
 - IP address
 - Country
 - Circle of Friends

...found in P2P networks (solution)

20



Safer Internet Work Programme

Identifying and Analysing evidence material



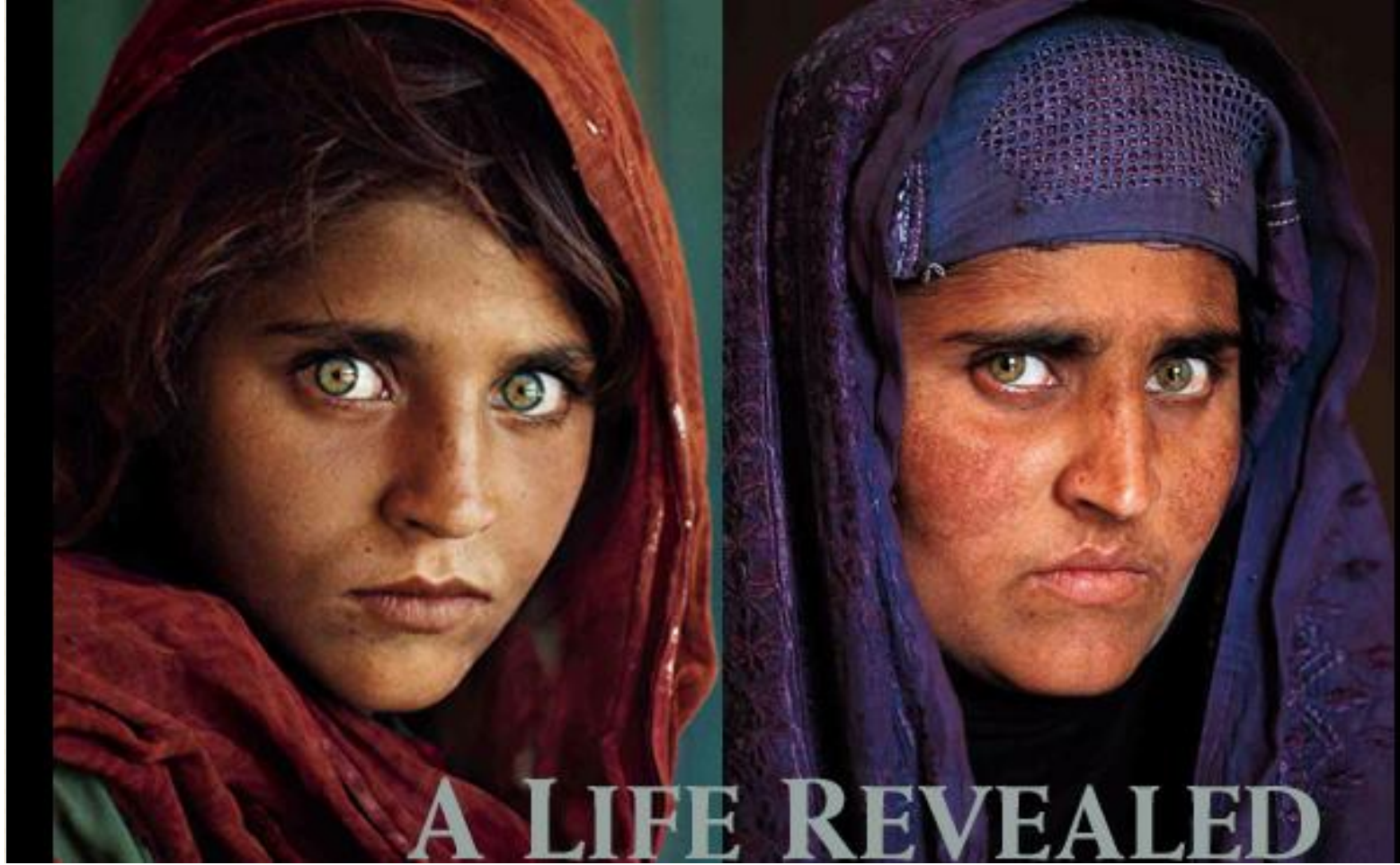
23

Facial recognition

Is she Sharbat Gula?

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24

Age estimation based on pictures or videos

Twelve of Thirty years?

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25

Pattern recognition

Fight or Happiness?

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26

image enhancement from distorted image/video

Sharbat Gula or Someone else?



27

Geographic localisation techniques

Paris or Washington?

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Identifying and Analysing evidence material (solution)

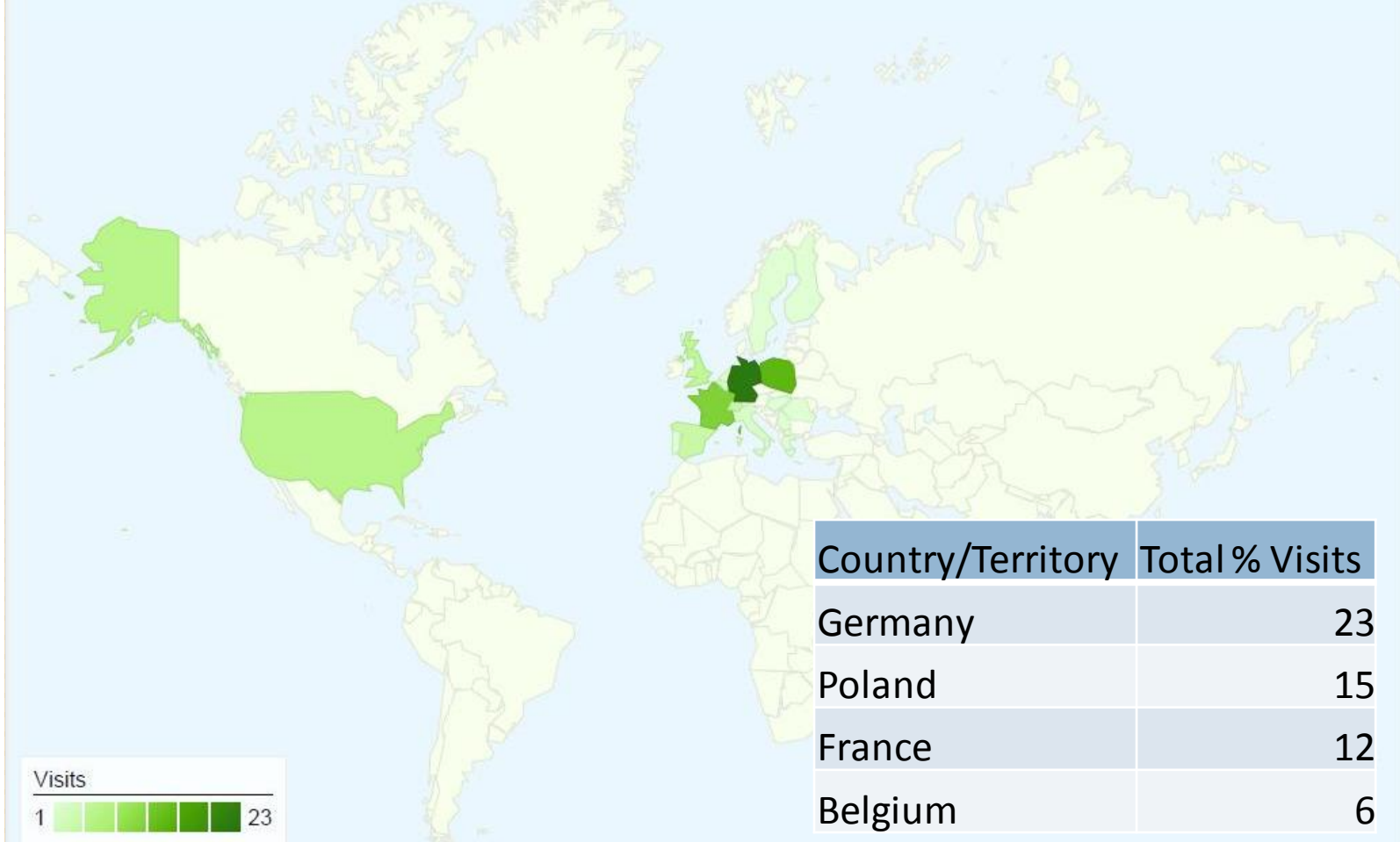
28

- Biometric tools
- Network analysis tools
- Business Intelligence' methodology

29

Safer Internet Work Programme

...for the specific needs of the police...



30

...for the specific needs of the police... (profiling)

56% visits came from 4 countries/territories

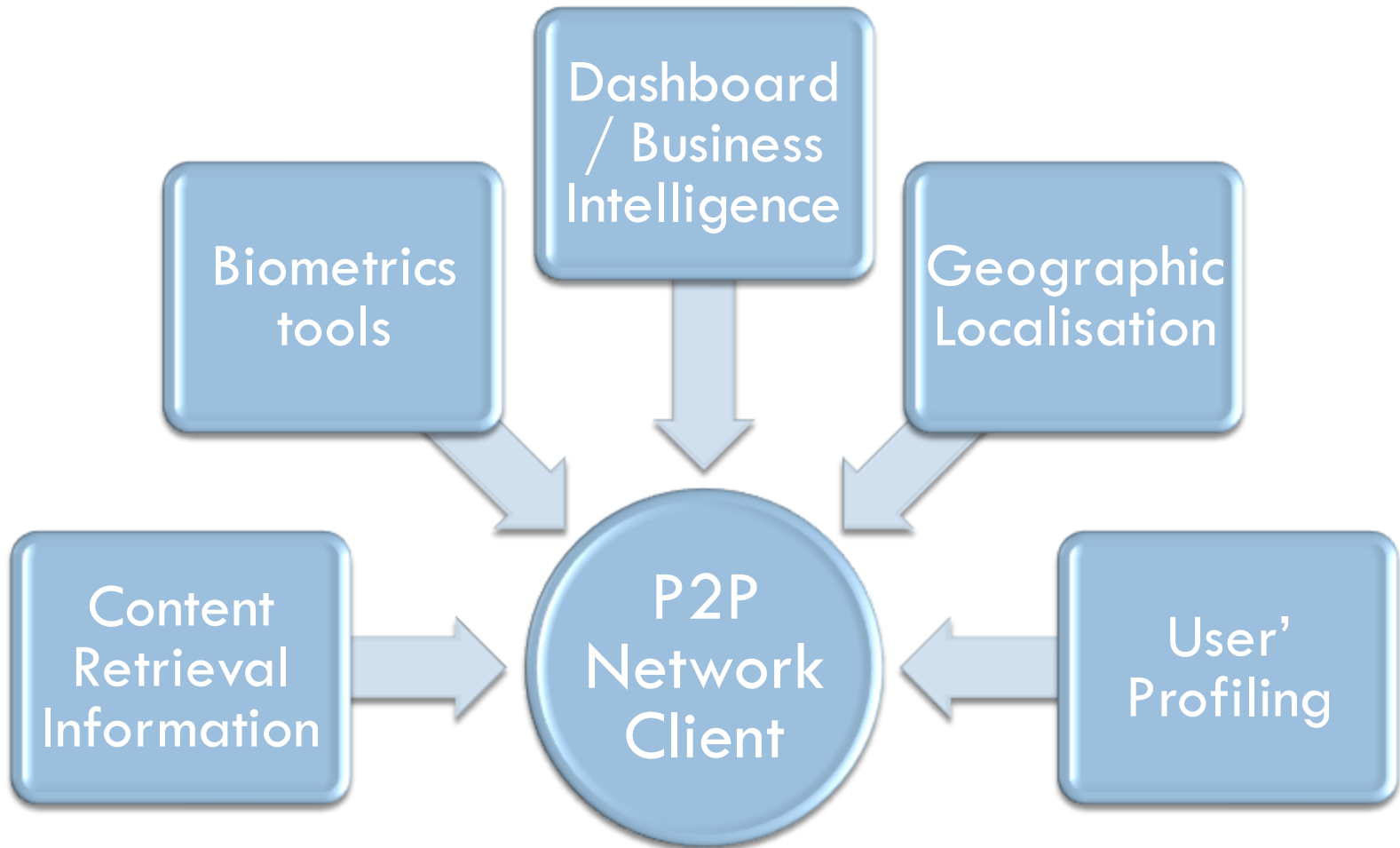
...for the specific needs of the police...

31

- Most popular searches on the p2p networks
 - 16th GCC
 - eGovernment
 - Event in Dubai
 - May 2010
 - ...

Developing or enhancing technological tools... (solution)

32



Safer Internet Work Programme

The results of the project must be accessible by the target users beyond the end of the project

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 Share your best practices with others
 Re-use open source applications

helping public administrations to **Develop, Share and Re-use**


[more info](#)

OSOR.eu - Open Source Observatory and Repository

The **Open Source Observatory and Repository for European public administrations (OSOR)** is a platform for exchanging information, experiences and FLOSS-based code for use in public administrations.

OSOR.eu website improvements

In the recent weeks we worked hard to tidy-up the lay-out and improve the site's overall look and feel. We also added a number of new features.

Visitors will notice the change in the menus. These are now consistent across the entire site. Next we refreshed the front page, using for instance a banner showing our objectives and services and to point out our partners in the Member States.

[Read more](#)

OSOR News

 **Cenatic: 'Using open source is key for e-government'** — published on Apr 23, 2010
[Read comments \(None yet\)](#)

Using open source is a key element for delivering electronic government services, argues Cenatic, Spain's national competence centre on open source. In a paper published on 5 April, the centre lists nine other reasons why public

Register Your Project

OSOR forge currently **hosts 154 projects** and you can **search 2209 projects** through the federated national forges.

Want your project to be one of them?



OSOR Communities

-  OSOR: OSOR.eu website improvements Apr 28, 2010
-  OSOR: Planned maintenance on April 27th

34

Full or partial availability of the source code under an open source license

Open Source Observatory and Repository <http://www.osor.eu>

SourceForge <http://www.sourceforge.net>

Safer Internet Work Programme

WE NEED YOUR HELP

Are you interested, please contact us!

References, contact details



Resources available

- Safer Internet programme
<http://ec.europa.eu/saferinternet>
- Information Society Technologies:
<http://cordis.europa.eu/ist/about/about.htm>
- Cospol Internet Related Child Abusive Material Project: <http://circamp.eu>
- Biometrics:
 - <http://www.L1id.com>
 - <http://demo.pittpatt.com>

References

38

- Pictures from

<http://www.google.com/images>

- Definitions from

<http://www.wikipedia.org>



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