



**CENTRAL FORENSIC
LABORATORY OF THE POLICE
RESEARCH INSTITUTE**



"QUO VADIS, EUROPEAN FORENSICS?"

EDUCATION – QUALITY MANAGEMENT – DATABASES AND DATA EXCHANGE

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International Fingerprint Data Exchange: Prüm solutions in Poland

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OVERVIEW:



- **AFIS system**
 - Databases
 - Software
 - Hardware
- **Prüm exchange**
- **Eurodac**





Automated Fingerprint Identification System (AFIS) is managed by Central Forensic Laboratory of the Police within the Ministry of Interior

- **AFIS – the police system**
- AFIS consists of two logically separated databases: criminals (suspect individuals) and foreign (asylum reason).
- The image data from TenPrint are acquired centrally.
- The images of LatentPrints are entered on remote stations.
- Specially trained police officers check the quality of FP data, verify the results of searches and make a decision about inserting them into the database.
- In AFIS are only images (FP, palm, latent - resolution: 500 ppi) together with the reference data (registration date, gender, region, category) - personal data in independent Police system (KSIP).

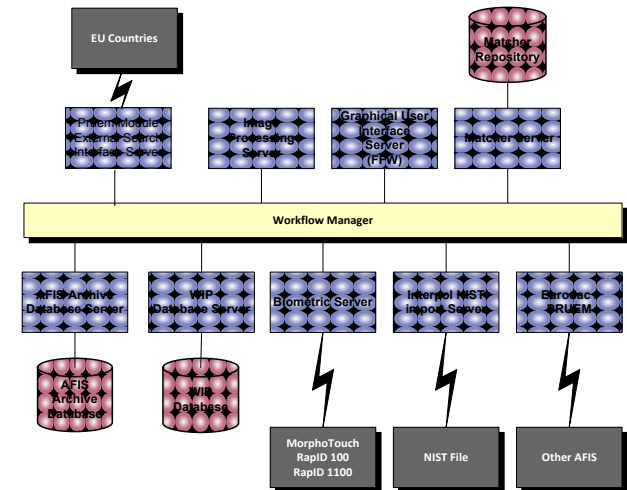


- AFIS system developed by SAGEM
- In use since 2000 – MetaMorpho v. 2.8.14
- System's development: remote station, MorphoTouch, MorphoRapID
- Upgrade 2003 – MetaMorpho v. 2.8.16a and Module EUODAC
- Upgrade 2010 – MetMorpho v. 4.0 (MetaMacher)
- Upgrade 2014 – Prüm Interface
- Upgrade 2015 – EUODAC Module



Central site equipment

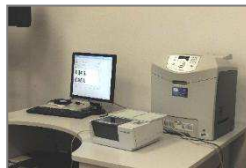
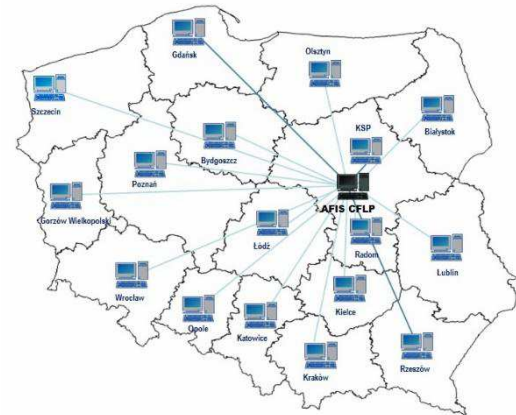
- 22 Expert Workstations
 - 15 Full Function Workstations
 - 3 stations dedicated to Pruem
 - 3 stations dedicated to Eurodac
- Administration Workstations (monitoring)
- Database manager with data storage
- Matching sub-system
- NIST file import in Interpol format (from LiveScanners)
- Communication for mobile devices - quick verification and confirmation of the person's identity
- Prüm server with a connection to Prüm network
- Eurodac Module and Test Platform composed of two Virtual machines





Remote equipment

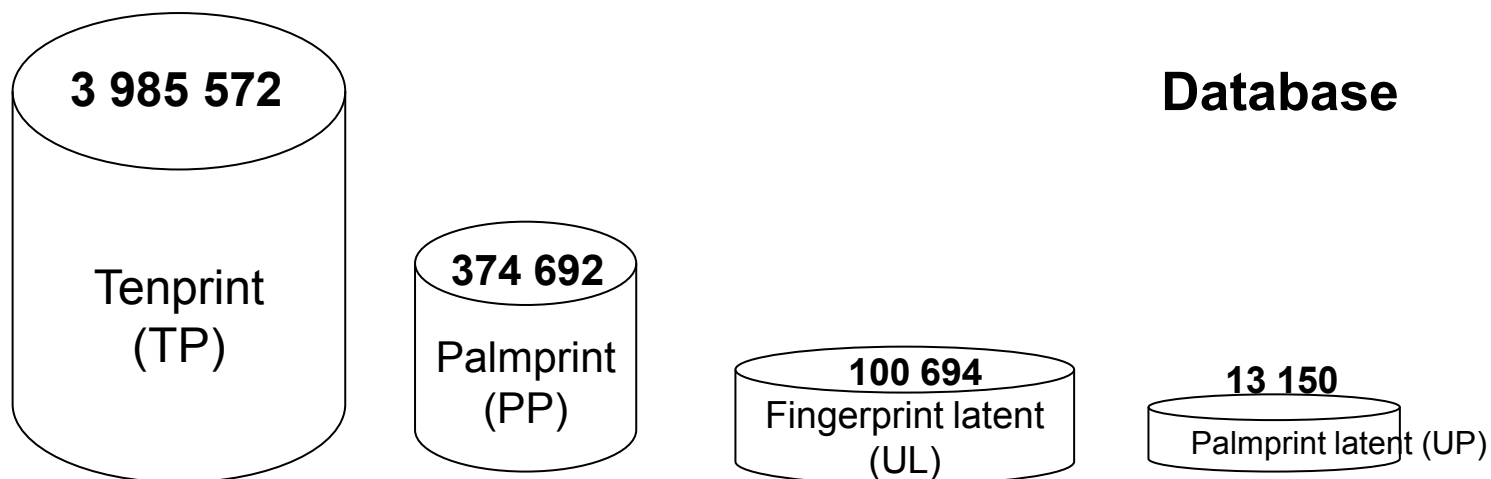
- 17 remote clusters dispatched over the country
 - 32 Workstations
 - “remote cluster” installed at the central site for test purposes



- 428 LiveScanners

- 705 - MorphoTouch, RapID100, RapID1100 and L1





Verification	Average per year
TP/TP	36 448
TP/UL	177 348
LT/TP and LP/PP	46 403
LT/UL and LP/UP	113

Hit	Average per year	% part of verification
TP/TP	24 369	66,86%
TP/UL	119	0,07%
LT/TP and LP/PP	2 595	5,59%
LT/UL and LP/UP	1	0,89%



06/2012 National Contact Point for the follow-up consultation procedure after hit notifications (2nd step)

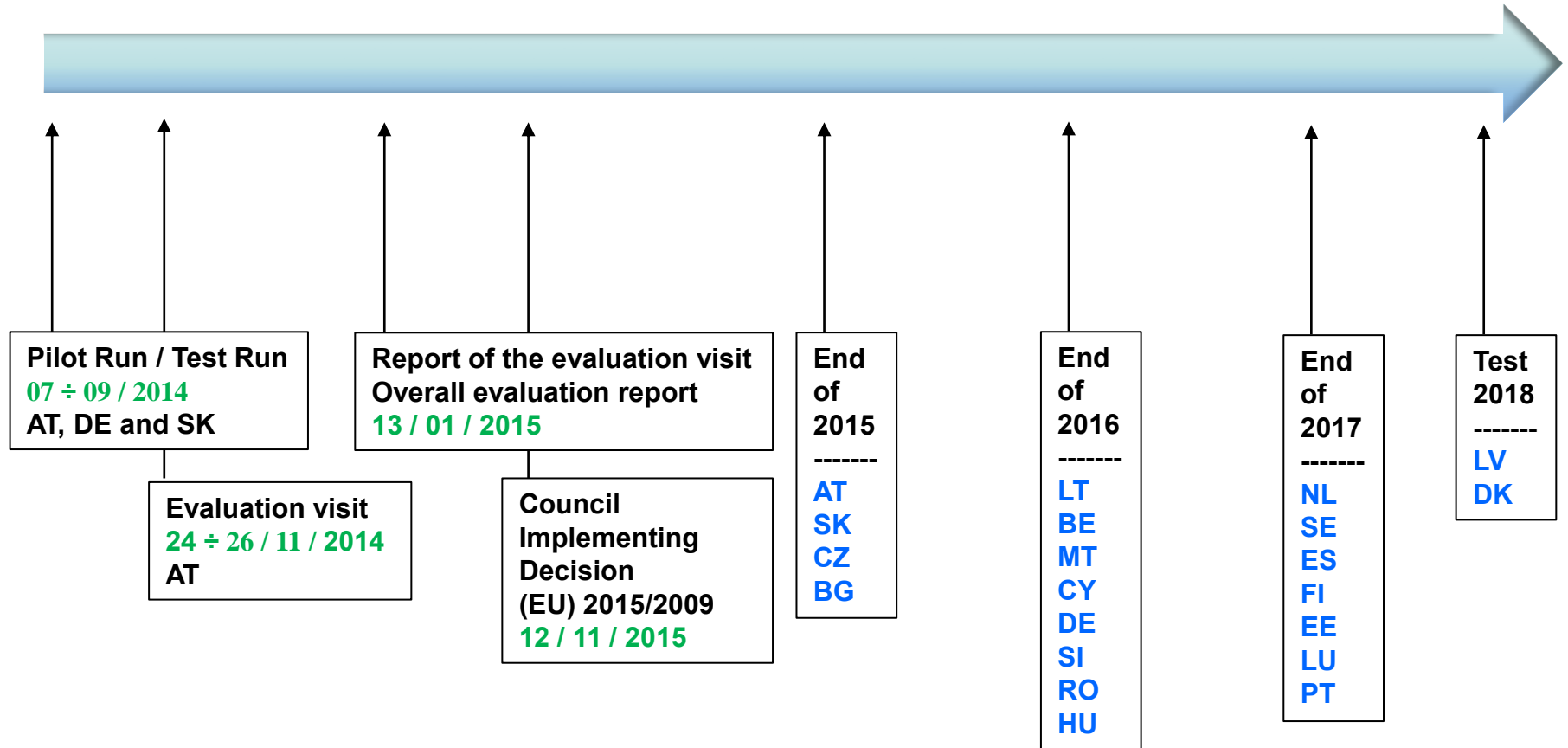
International Police Co-operation Bureau
National Police HQ
Pulawska Str. 148/150
02-624 Warsaw, Poland
Tel: + 48 22 60 15447
Fax: + 48 22 60 15340
E-mail: dyzurny.bmwp@policja.gov.pl

01/2013 Technical Contact Point for automated FP data exchange (1st step)

Fingerprint Examination Departament
Central Forensic Laboratory of the Police
Wiśniowa Str. 58a
02-520 Warsaw, Poland
Tel: + 48 22 60 15699 or + 48 22 60 17263
Fax: + 48 22 60 65811
E-mail: fp.pruem@policja.gov.pl



Prüm solution – implementation in Poland





- FP-TCP – technical contact point is located in the Fingerprint Examination Department at Central Forensic Laboratory of the Police (I step).
- NCP – in the International Police Co-operation Bureau National Police HQ (II Step).
- The requests for automated international checks of TP are sent directly to FP-TCP.
- The requests for automated international checks of unknown latent (UL or UP) are processed by regional Forensic Laboratories, and then, after analysis, are directed to CFLP.
- The AFIS automatically controls maximum search limits per day for outgoing and incoming requests.
- First the FP data are checked against national AFIS, next, they are inserted to databases and finally they are sent to other MS via the secured TESTA-ng network.



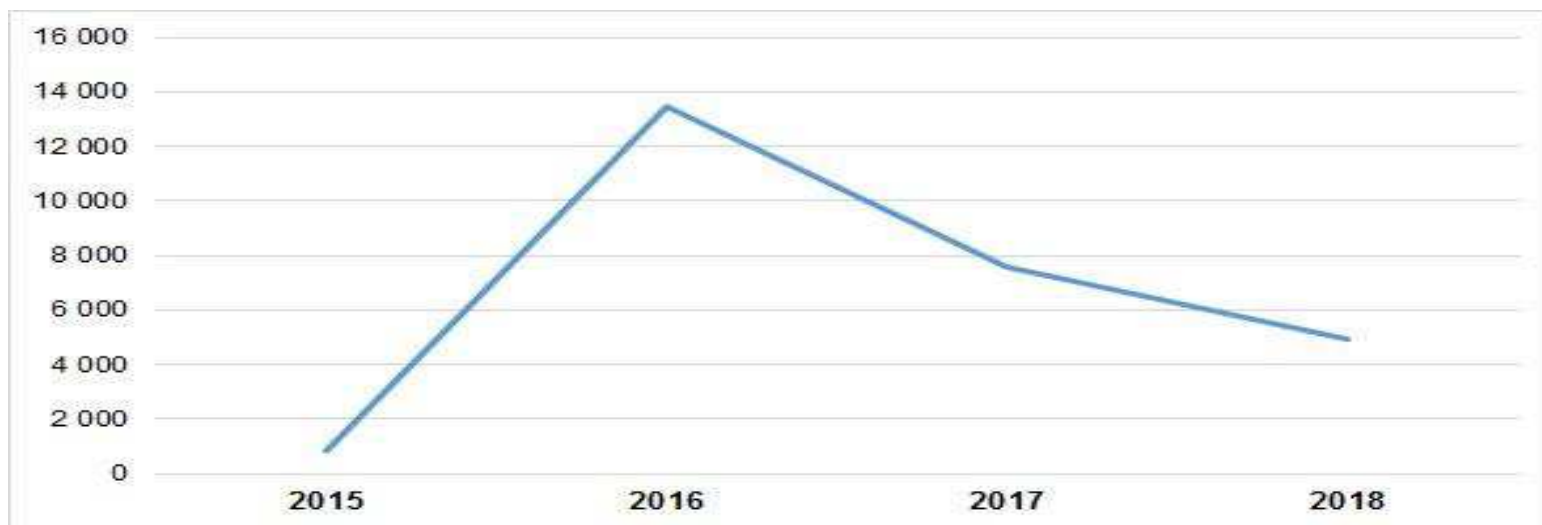
Statistics - from 16 / 11 / 2015 to 02 / 10 / 2018

PC UE	TP/TP		LT/UL - - LP/ULP		LP/PP - - LT/TP		TP/UL -- PP/ULP	
	Wysłano	Hit	Wysłano	Hit	Wysłano	Hit	Wysłano	Hit
BE	163	12	508	1	1 412	5	134	2
BG	110	4	505	0	1 533	3	87	0
CZ	125	8	511	1	1 577	11	94	0
LT	113	6	501	0	1 443	0	94	0
AT	156	7	505	2	1 901	10	127	0
SK	114	8	526	0	1 768	0	88	0
SI	102	1	502	0	1 078	0	84	0
DE	198	39	506	1	1 378	6	170	0
MT	53	0	488	0	1 040	0	71	0
CY	92	1	482	0	1 035	0	64	0
RO	102	2	369	0	844	1	66	0
HU	97	7	346	0	831	0	73	0
ES	123	4	64	0	173	1	107	0
NL	142	11	223	0	243	0	118	0
SE	76	7	60	0	123	0	63	0
FI	79	0	47	0	158	0	53	0
EE	23	5	28	0	152	0	51	0
LU	70	1	33	0	136	0	60	0
PT	56	1	32	0	136	0	51	0
Razem	1 994	124	6 236	5	16 961	37	1 655	2

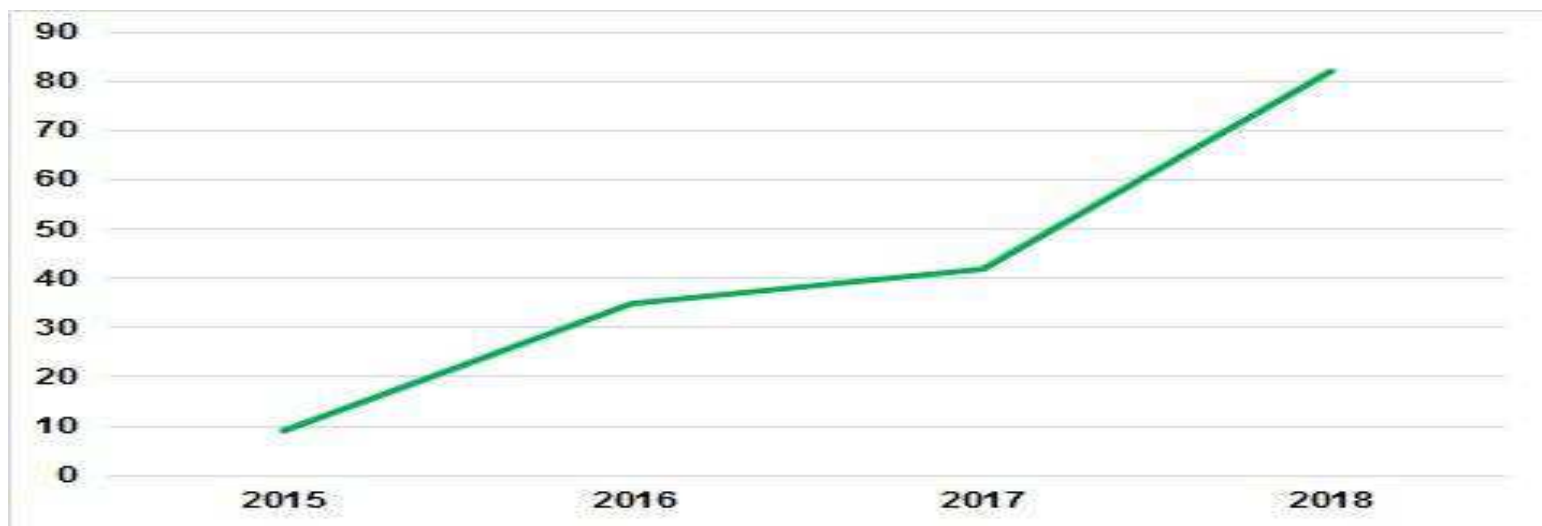


Poland – Prüm exchange

Verification

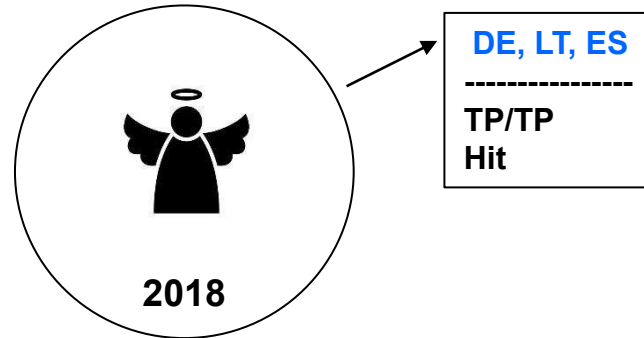
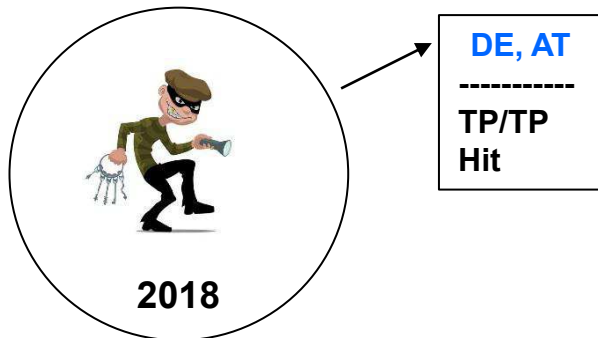
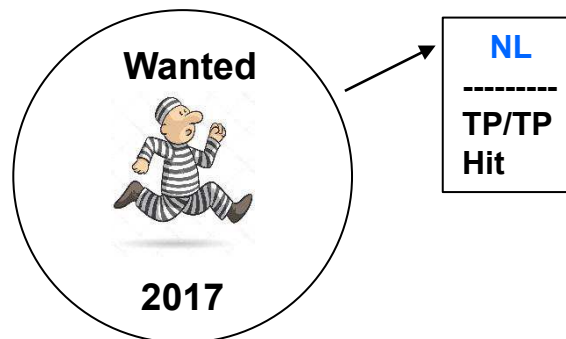
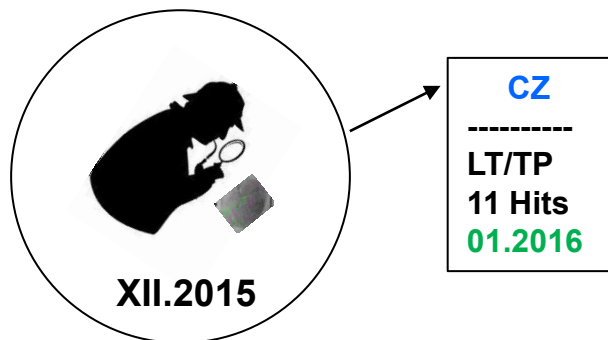


Hit





Interesting cases





S U M M A R Y :

- ❖ We still have some work to achieve full interoperability with all Member States of the European Union.
- ❖ The hit/no hit system and two-level method of checking people, implemented in accordance with Prüm Decisions, improved the efficiency of the Police Forces cooperation in EU - especially in the field of combating cross-border crime.
- ❖ We support the idea of creating "Next Generation Prüm".



**Thank you very much
for your attention !**

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