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# Vehicle Crime Seminar Australia, Melbourne 13-14.6.2007



## **Vehicle Crime, European overview**

Finnish Delegation

Detective Sergeant Jari Tiainen

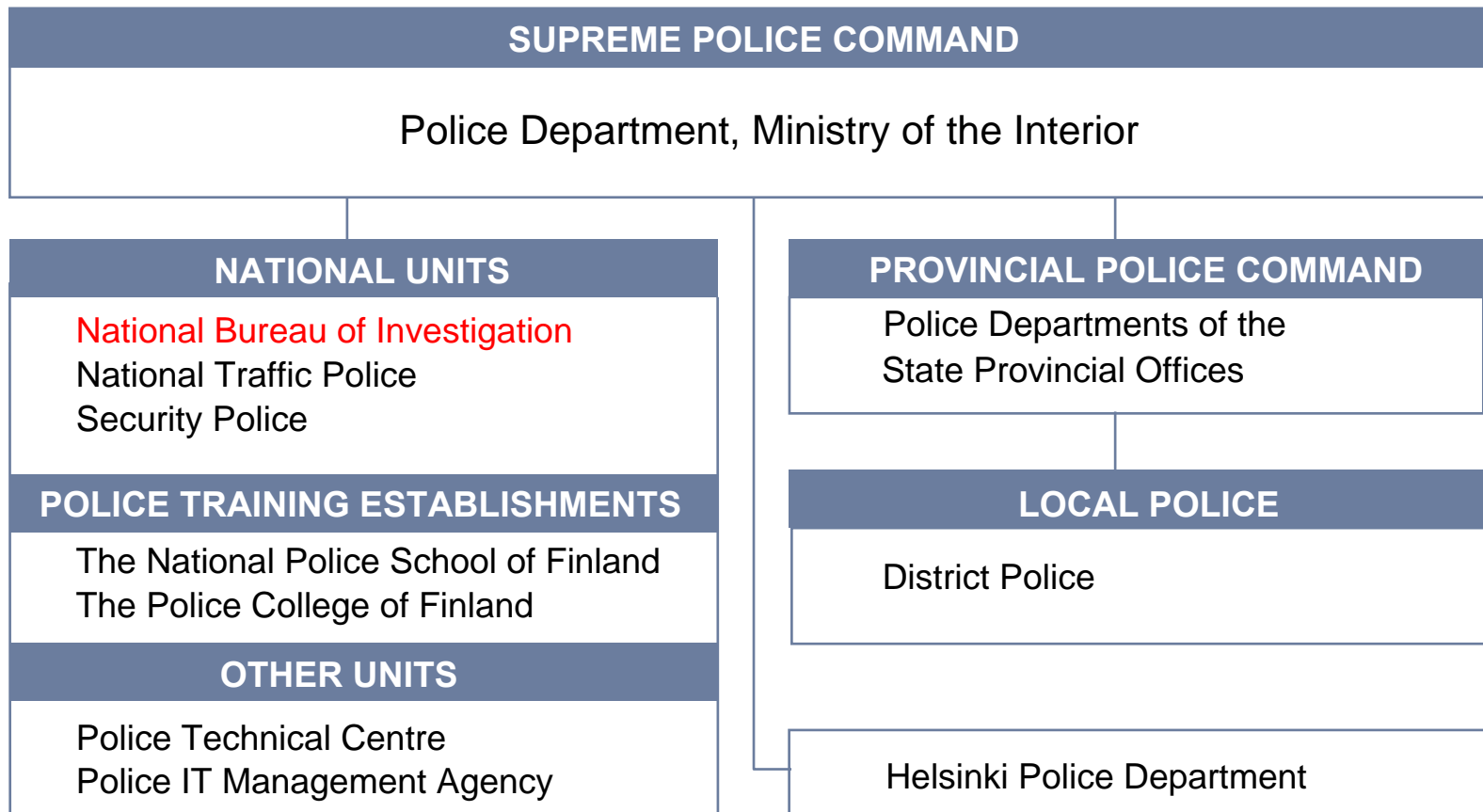
Detective Sergeant Kari Aaltio


NBI / Finland





# The Finnish Police





**The police force employs some 11000 personnel, most of whom are officers, senior officers, commanding officers and police chiefs in local police units. In 2004, police officers accounted for 7718 of the total police personnel.**

**In 2004, women accounted for about 24% of the total police personnel and 11% of police officers. By international standards the number of police officers per capita in Finland is low.**

**The Police Act requires that the police discharge their duties in an appropriate and impartial manner and seek to promote understanding and cooperation. The actions of the police must not cause any more damage or inconvenience than necessary. Measures taken must be justifiable in relation to the importance and urgency of the duty and the other factors affecting overall assessment of the situation.**



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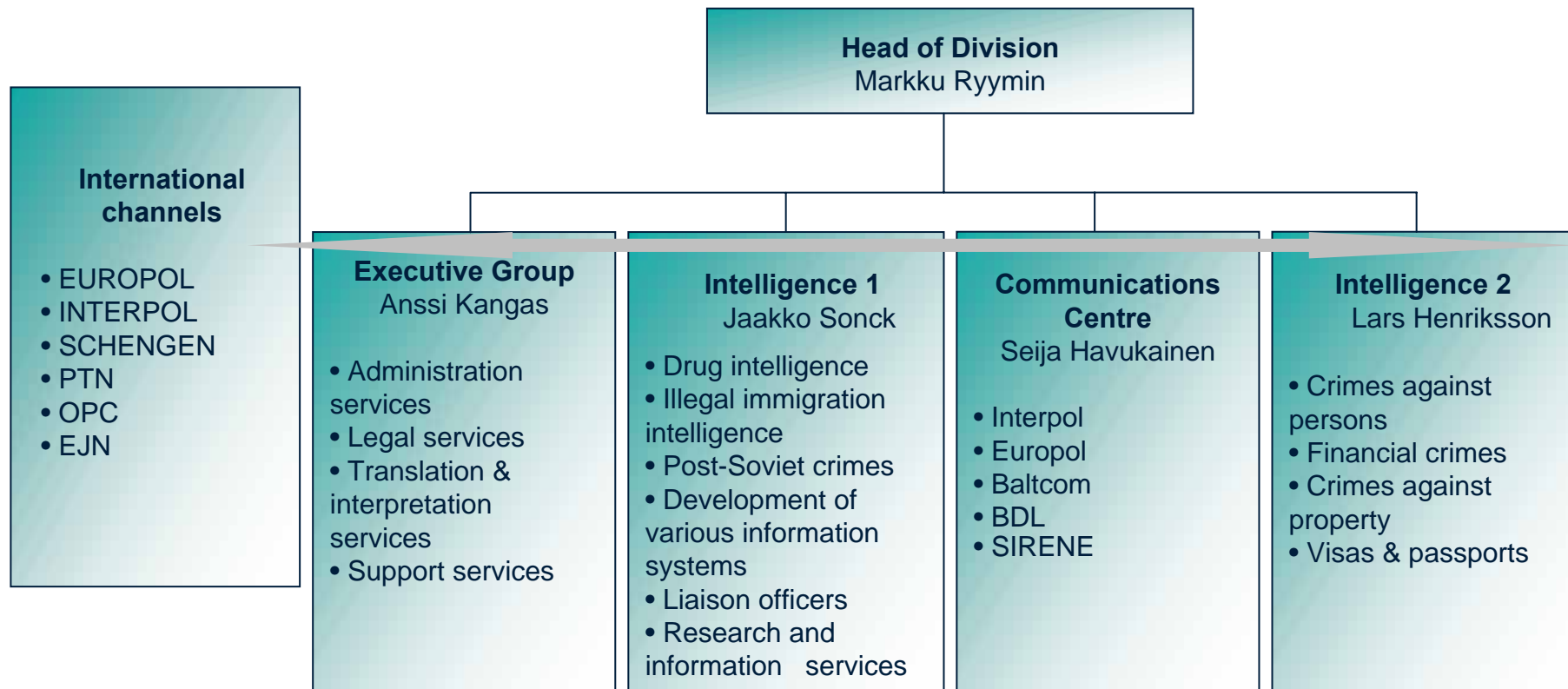
## The National Bureau of Investigation (NBI)



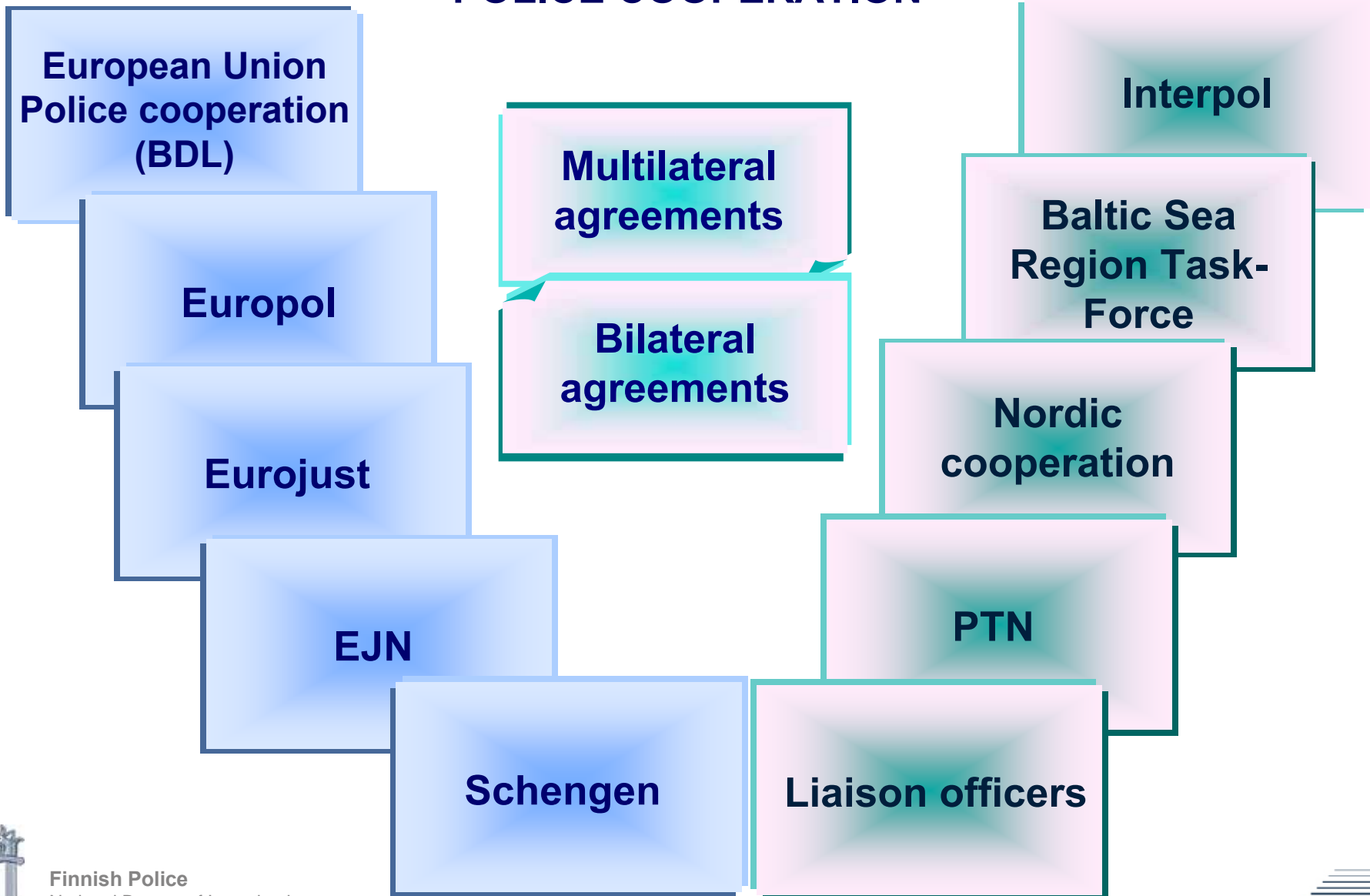
**The National Bureau of Investigation (NBI) is one of the national units of the Finnish Police. The NBI is specialized in investigating and preventing serious, organized and international crime. At the national level, the NBI is responsible for criminal intelligence and identification of new types of crime. The NBI also develops techniques for criminal investigation and provides training in the mentioned subjects.**



# Criminal Intelligence Division



# INSTRUMENTS OF THE INTERNATIONAL POLICE COOPERATION





**VEHICLES TAKEN BY CRIME IN 2006  
FINLAND**






# General on Vehicle Crime in Finland

- Vehicle crime can be divided in two major sectors:
  - vehicles taken by crime
  - criminal acts targeted at vehicles (e.g. break-ins, malicious damage, etc.).
- In general, the number of vehicles taken by crime has been decreasing in past years, but on the other hand, the trend in some makes has been the quite opposite. In fact, attention should be paid not only in passenger cars, but also in other vehicle types (e.g. motorcycles, trailers, skidoos and heavy-duty machines).



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- In relation to passenger cars, the trend has been decreasing in Finland.
    - One reason is faster circulation in vehicles (stopper devices / immobilisers).
    - Preventive measures taken by authorities (sharing information, guidance and education and various interest groups, for example insurance companies and finance companies)
    - Despite these measures, the trend in certain vehicle types has been the opposite one.



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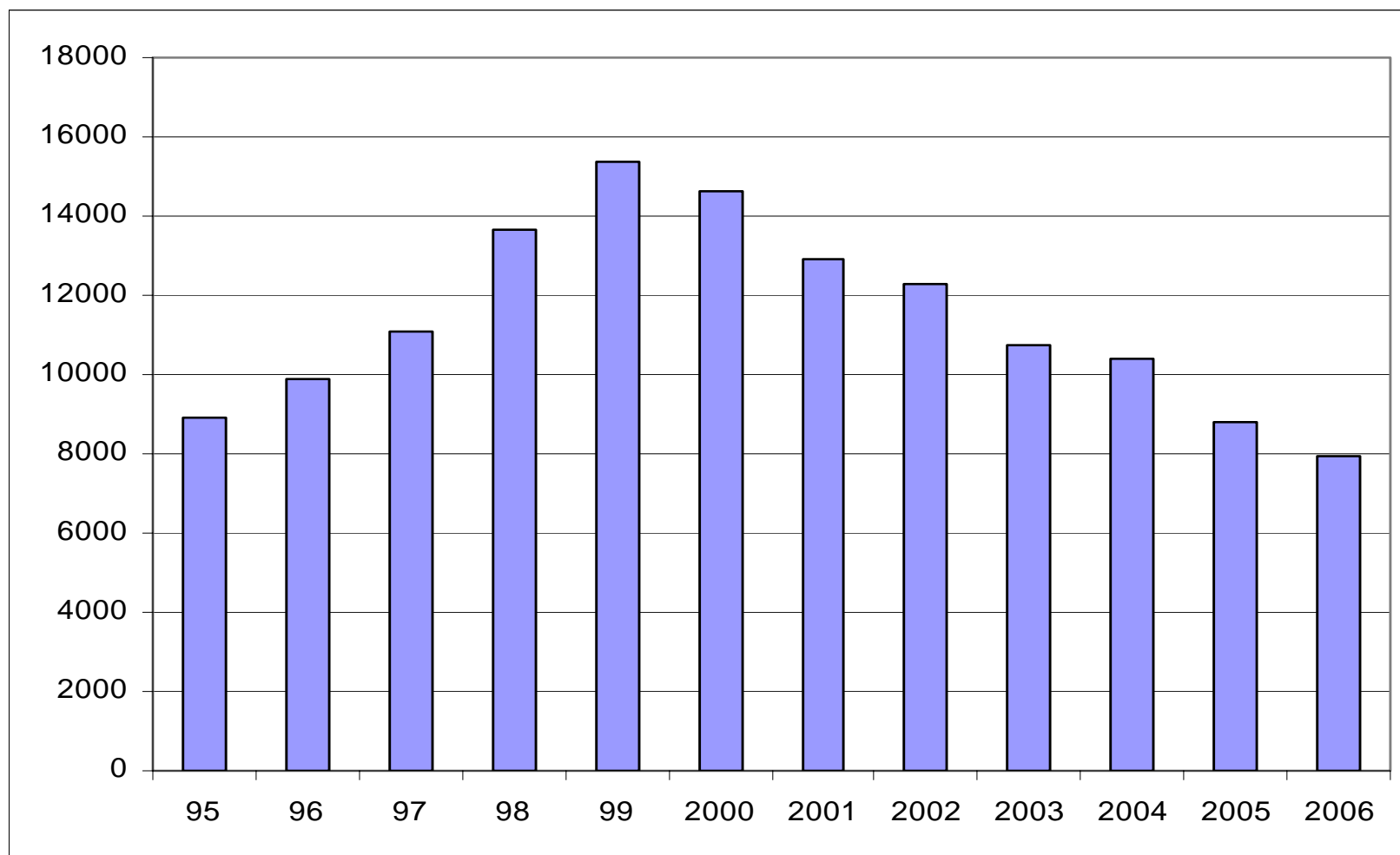
Figures and information on vehicles taken by crime in 2006 are based on entries made in the Data System of the Police Affairs. Only acts classified as "vehicles taken by crime" have been included in the statistics.

The total car park in Finland is 4,5 million vehicles.  
The amount of the passenger cars is 2,5 million.



# Passenger cars, vans, buses, special vehicles, lorries and motor bikes taken by crime in 1995 -

## 2006



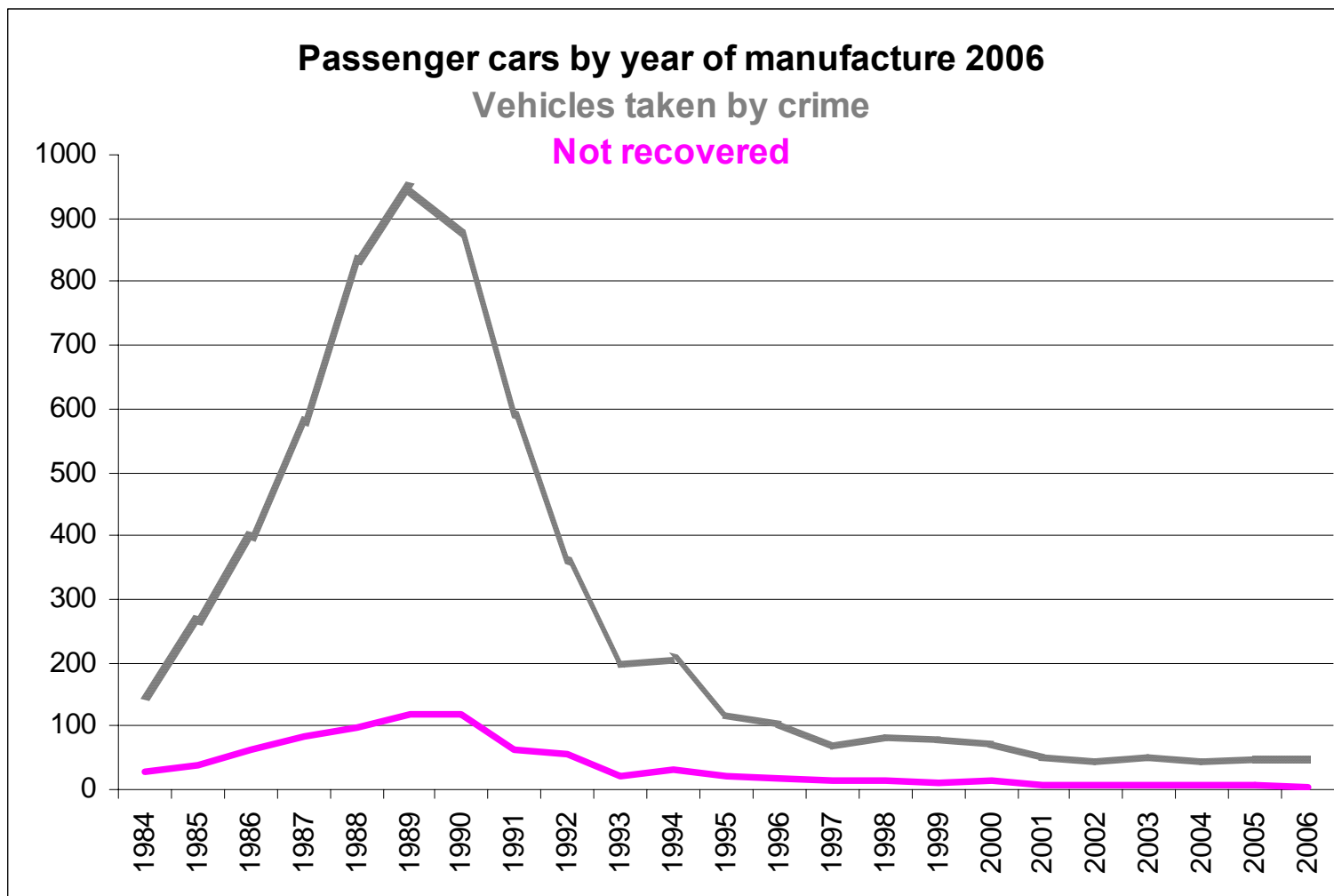
# Vehicles taken by crime Finland 2006

Type	Taken by crime	Change compared to / 2005	Not recovered	Change / 2005	Not recovered %	Change %/ 2005
PASSENGER CAR*	6428	-1036	906	-47	14,1	+1,3
VAN*	728	+8	190	+69	26,1	+9,3
MOPED	1283	+182	634	+64	49,4	-2,4
TRAILER	787	+72	393	+52	49,9	+2,2
SNOWMOBILE	139	+21	96	+13	69,1	-7,8
TRUCK	102	+16	17	-6	16,7	-10
MOTORCYCLE	631	+109	362	+83	57,4	+4
TRACTOR	27	+3	16	+4	59,3	+9,3
SPECIAL VEHICLE	27	+9	5	+3	18,5	+7,4
CONSTRUCTION PLANT MACHINE	23	+9	16	+10	69,6	+26,7
BUS	2	-1	0	-2	0	-66,7
OTHER	54	+10	43	+15	79,6	+6,3
<b>Total</b>	<b>10231</b>	<b>-588</b>	<b>2678</b>	<b>+258</b>	<b>26,2</b>	<b>+3,8</b>

\* cars up to 3500 kilo total = passenger cars + vans; **total:** taken by crime **7156**/not recovered **1096**



# Passenger cars taken by crime in 2006



## Passenger cars taken by crime and missing vehicles in 2006

Vehicle	Taken by crime	Change / 2005	Not recovered	Change / 2005
NISSAN	894	-109	93	-10
MAZDA	864	-142	74	-14
TOYOTA	825	-144	111	-18
HONDA	707	-168	59	-16
OPEL	567	-173	90	-9
SAAB	361	-116	40	+17
FORD	306	+3	58	-9
VOLKSWAGEN	256	-30	53	-6
FIAT	222	-65	38	+8
BMW	202	-38	45	+3
MITSUBISHI	179	-10	34	-4
VOLVO	162	+24	31	+5
Others	883	-68	180	-53
<b>Total</b>	<b>6428</b>	<b>-1036</b>	<b>906</b>	<b>-47</b>





# Modi Operandi in Finland

- It was only a few years ago when stealing a car was easy: a thief had to break in a car, blow a fuse and drive away. Another easy way to steal a car was to use a duplicate key. Those modi operandi are still the most common ones in Finland due to the age of our car park.
- An identity of a demolished or deregistered vehicle is given to a stolen vehicle even by using original registration documents.





# Modi Operandi in Finland

- Obtaining a double identity for a car is a way to change the identity with a help of the normal registration procedure.
- Various kinds of frauds are a significant part of the vehicle crime.
- Criminal operators have infiltrated in various ways in the dealing in cars on the Internet.





# Monitoring Group set by the Police Department of the Ministry of the Interior

- working group on preventing vehicle crime has to estimate what kind of new measures need to be taken within the police administration with a view to decrease vehicle crime.
- Monitoring group focused on finding electronic tools for preventing vehicle crime
- Monitoring group to continue the work until 2007.





# Training in Prevention of Vehicle Crime in Finland

- The Property Crimes Group of the Criminal Intelligence Division participated in, arranged and planned various kinds of training sessions in the field of vehicle crime prevention
  - A one-week training in vehicle identification
  - A basic investigation course for vehicle crime investigators
  - Co-operation in the form of an AutoForum for the police, customs, the border guard and private sector (insurance, finance companies)





# **INTERNATIONAL VEHICLE CRIME**

## **Europe**

# **OVERVIEW OF THE MODI OPERANDI**





# INTERNATIONAL VEHICLE CRIME

## Modi operandi in Europe

- It is clear that ways to commit crimes change and that they are developed to meet prevailing circumstances. It was only a few years ago when stealing a car was easy: a thief had to break in a car, blow a fuse and drive away.
- It is usual in Middle Europe that an identity of a demolished or deregistered vehicle is given to a stolen vehicle even by using original registration documents.
- On the other hand, obtaining a double identity for a car is a way to change the identity with a help of the normal registration procedure





# INTERNATIONAL VEHICLE CRIME

## Modi operandi in Europe

In addition of those traditional modi operandi, there have been several cases in Europe and elsewhere where the car owner is inside the car when the car is stolen with the help of violent threats. Using violence and weapons in car thefts are signs that need to be taken seriously. By car jacking, criminals succeed in having both the original key and the vehicle at the same time and they do not have to struggle with immobilisers anymore.

Criminals break in real estates and houses looking for car keys with an intention to steal cars from garages and on parking lots.





# INTERNATIONAL VEHICLE CRIME

Modi operandi in Europe (source Europol)

- Further use of INTERNET to fraudulently obtain vehicles
- Use of force or threat during a car theft
- Use of sophisticated electronic devices by criminals (disturbing GPS or GSM signals)
- Targeting high value motorcycles, (motor) boats, lorries, buses & plants (construction site machinery)
- Fraudulent reporting of vehicle theft to obtain the insurance compensation while the vehicle was sold
- Embezzlement of rental cars
- Dismantling of cars into parts (not only sold as spare parts ALSO rebuilt & exported later on)
- Increased 'cross-border' activities
  - Taking advantage of registration procedures



Source: Europol 2005

Country	Vehicles Stolen	Vehicles Not Recovered	C P M Rep S / Not R
Austria	6324	3471	
Belgium	0	0	
Cyprus	566	207	
Czech Republic	22663	7946	
Denmark	9148	2228	
Estonia	1402	385	
Finland	8794	1376	32 / 8
France	177325	73917	
Germany	0	30670	
Greece	7720	0	
Hungary	7739	6516	
Ireland	10712	3286	44 / 24
Italy	226583	122263	4584 / 1766
Latvia	697	360	
Lithuania	2364	0	
Luxembourg	617	199	
Malta	692	242	
Netherlands	19679	10548	
Poland	50490	0	
Portugal	5371	0	
Slovakia	4607	3573	34 / 33
Slovenia	1059	738	
Spain	123635	83040	
Sweden	29148	9561	
United Kingdom	0	0	
<b>Total</b>	<b>717,335</b>	<b>360,526</b>	<b>4694 / 1831</b>



**Finnish Police**  
National Bureau of Investigation

CPM= Construction Plant  
Machinery



# INTERNATIONAL VEHICLE CRIME

## Routes in Europe

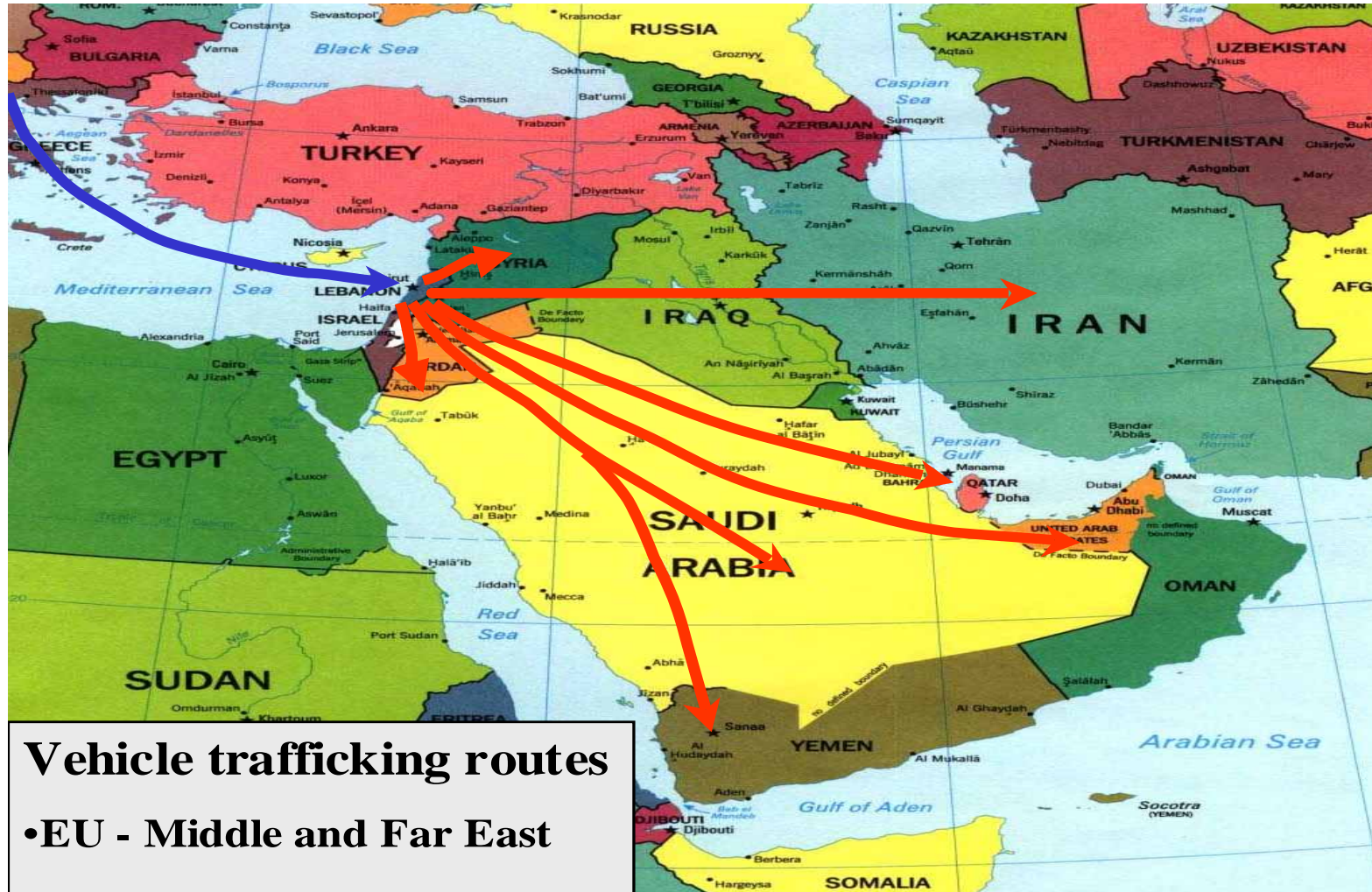
### Vehicle trafficking routes

- EU - Eastern and Central Europe
- EU - South Eastern Europe
- within the EU



# INTERNATIONAL VEHICLE CRIME

## Routes in Europe



# INTERNATIONAL VEHICLE CRIME

## Routes in Europe



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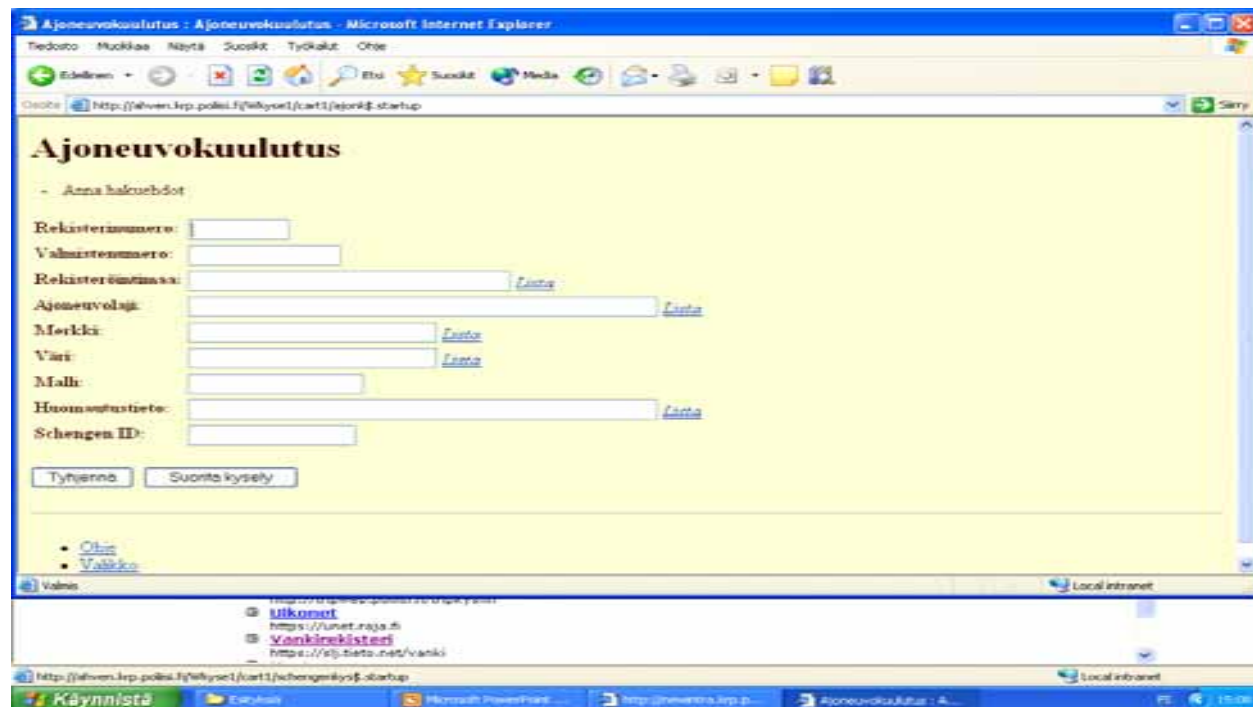
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# Useful Data Bases in Europe



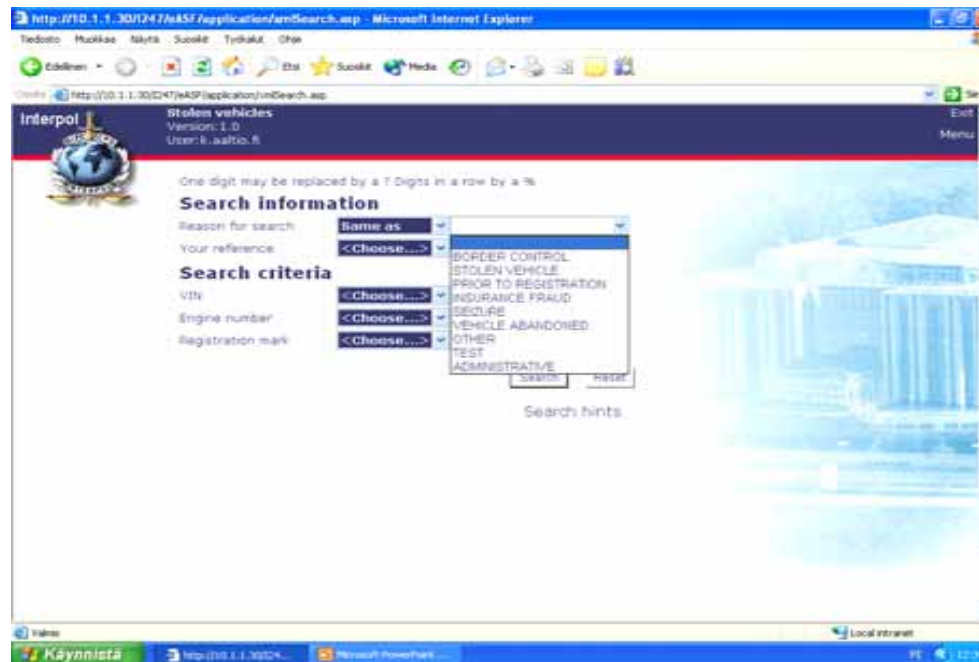
# Useful Data Bases in Europe

- SIS (Schengen Information System), 15 countries+9 SISone4ALL (2008), except UK, Ireland, Cyprus, Romania, Bulgaria and Switzerland.



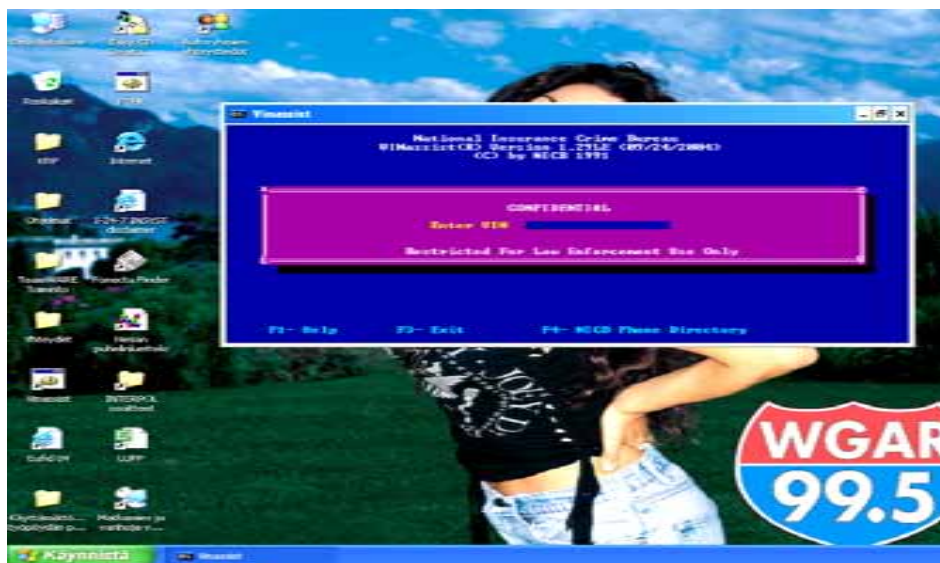
# Useful Data Bases in Europe

The Interpol General Secretariat has developed the Automated Search Facility-Stolen Motor Vehicle (ASF-SMV) database to support police in member countries in the fight against international vehicle theft and trafficking. At the end of 2006, the database held more than 3.4 million records of reported stolen motor vehicles. Close to 146 countries use the database regularly. Of these, 104 countries have shared their national stolen vehicle database records with Interpol. More than 26,000 motor vehicles were discovered worldwide in 2006 through the ASF-SMV database, 8,000 hits more than in 2005.



# Useful Data Bases in Europe

- VINASSIST (USA, NICB)
- EuVID





# Useful Data Bases in Europe

- National databases (Custom, Police, etc.)
- EUCARIS is a unique system that provides opportunities to countries to share their car and registration information, helping to fight car theft and registration fraud. EUCARIS is developed by and for governmental authorities.
- Private sectors' databases (insurance companies, manufactures).





# **Possibilities for criminals to override immobilizers and to produce extra key's**

- **Internet**

**The following are just some examples from the huge market!**





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## Mercedes-Benz ML Transponder key programming tools



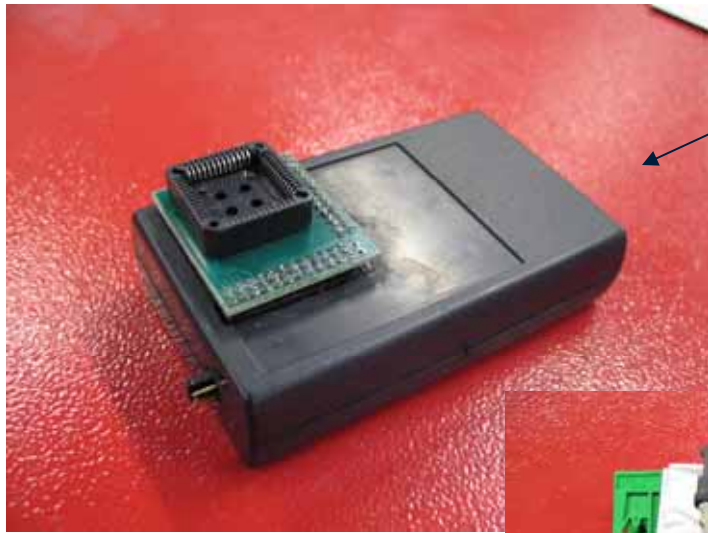
Mercedes Benz Key Programming Device and Software for the models ML from 1998 to 2004 with the metal key (not the plastic electronic key). The Device can program two new key when all keys lost .The programming is done via the diagnostic plug OBD II and takes 8-10 seconds. For programming you must use our special transponder, specially made for the key programming. If you purchase the device ,we give you 2 pcs of chip for gift . and the ship is cost 38.00USD each pcs

GUIDE Device is tested with all types of Mercedes-Benz ML from year 1998 to 2004

1. Turn the ignition ON with new transponder (transponder must be near to ring coil) -> instrument cluster will display "Start Error"
2. Connect key matching device to OBDII socket -> RED led will becomes light, and GREEN and YELLOW will becomes blinking
3. Green and yellow led's will blinking up to 4 seconds and will becomes dark -> transponder is matched to the car
4. Switch ignition OFF and then again ON -> you can start engine



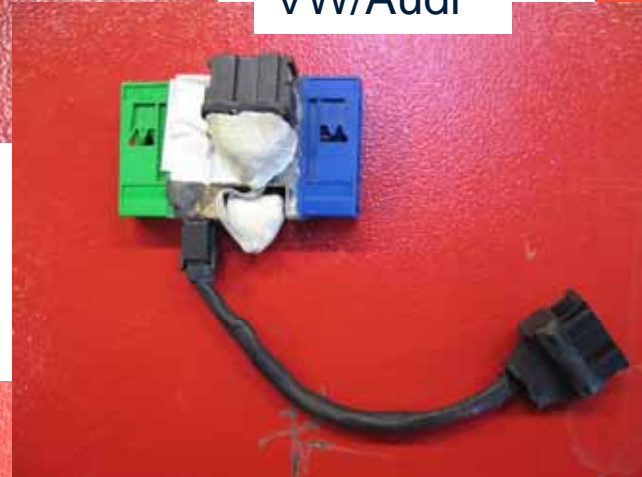
# Tools to override immobilizer (seized in Baltic countries)



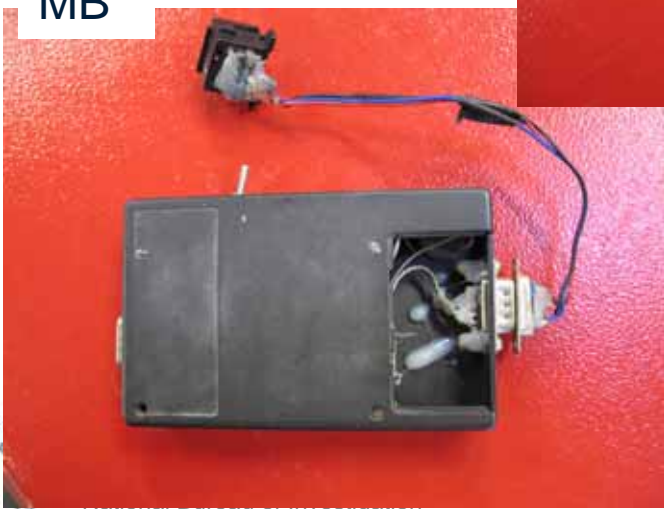
BMW



VW/Audi



MB



Toyota





# Project Formatrain Interpol

An acronym from FORMAtion and TRAINing – assists investigators with information on vehicle and document identification, investigative strategies, techniques and tools, databases, legal preconditions, etc. The aim of the project is to create a standardized training program to facilitate investigations of international cases of vehicle theft through basic, intermediate and advanced courses; to train the trainers; and to take advantage of Interpol's global network to share expertise. Representatives from Australia, Belgium, Finland, Japan, Germany, the United Kingdom, the United States and Zimbabwe have attended working group meetings.



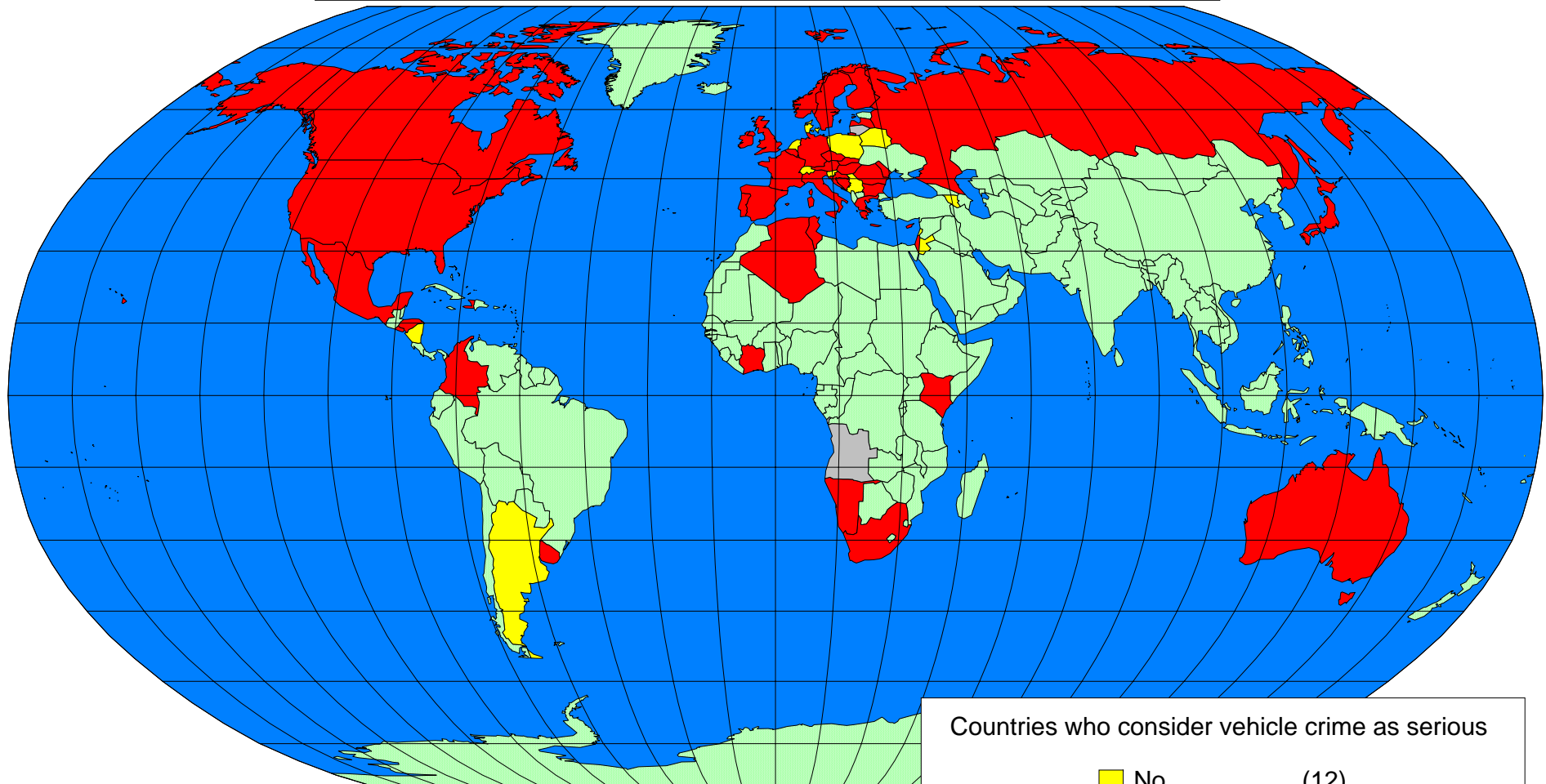


# Project Formatrain Interpol

- The Project FORMATRAIN Working Group has prepared a basic manual for fighting vehicle crime. This should provide some assistance to investigators without previous experience in this area.
- In 2002-2003, the Working Group prepared a questionnaire on vehicle crime which was translated into Interpol's four official languages. It was distributed to gather information about the scope of vehicle crime in every member country, the training situation and training needs.
- The replies have been analyzed by Interpol's criminal analysis unit. You will find the results by opening Interpol's website and by clicking on Vehicle Crime Questionnaire - Final results. Working group and IPSPG are updating this questionnaire at the moment.



# Seriousness of Vehicle Crime Globally



Countries who consider vehicle crime as serious

Yellow	No	(12)
Grey	Not Specified	(2)
Red	Yes	(46)





# Project Formatrain Interpol

- One of the major objectives of Interpol in the matter of Police training is to enhance the capacity of Member States to combat global, international, and regional priority crimes, by developing, facilitating, and coordinating training initiatives in accordance with Interpol's priorities and key activities.
- IPSEG has prepared a calendar which contains the dates of planned vehicle identification training seminars or workshops worldwide offered by national law enforcement Agencies.
- It is obvious that not every expressed training need can be granted.
- This will depend on several conditions, e.g. available Trainers, locations, costs, etc.
- But the knowledge about training needs help to coordinate the activities.





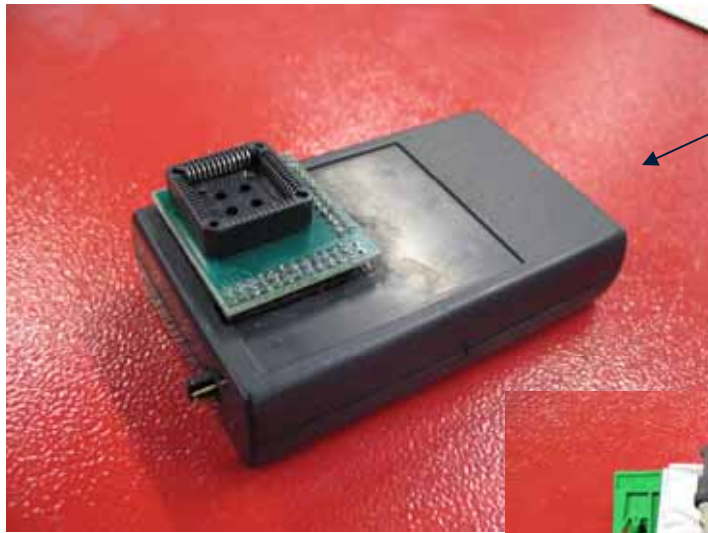
# Project Formatrain Interpol

This initiative will help all the Member countries:

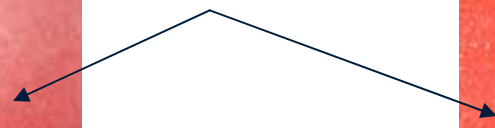
- to have an overview about the training programs and the regional distribution of the training activities,
- to coordinate their training initiatives with each others,
- to make available their training efforts to other colleagues, and,
- to help the entire law enforcement community in sharing training resources and working practices.



Tools to override immobilizer (seized in Baltic countries)



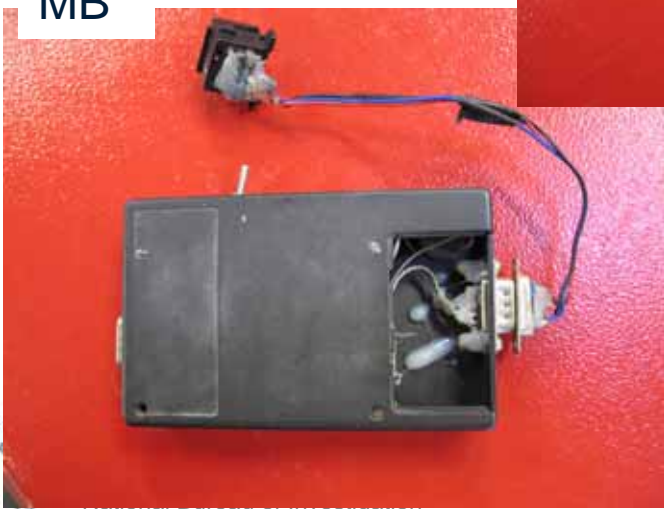
BMW



VW/Audi



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Toyota





**THANK YOU FOR YOUR  
ATTENTION!**

**QUESTIONS ???**

