# Offence Definitions in the European Sourcebook of Crime and Criminal Justice Statistics and Their Influence on Data Quality and Comparability

Stefan Harrendorf

Published online: 31 January 2012

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Abstract Reaching a high conformity of reported data for different offence groups with the standard definitions provided for these offences is a crucial issue in order to improve comparability of crime and criminal justice data from official sources between countries. Based on data and metadata collected for the European Sourcebook of Crime and Criminal Justice Statistics (ESB), this article takes a close look at the offence definitions used in the 4th edition Sourcebook. After an overview on ESB methodology, namely on questionnaire design and data validation procedures, the general structure of offence definitions in the ESB context is shown and changes compared to earlier editions are explained. Afterwards, ESB data and definition metadata are used to check the quality of the definitions used. Overall and item conformity rates for each offence definition are calculated and assessed. Missing data rates as another indicator for quality problems of definitions are also evaluated. Then, variation coefficients for the different offence groups are compared and critically assessed. The final part of the article contains a view on the distribution of conformity with definitions across Europe. Altogether, offence definitions in the ESB turn out to work very well. Conformity rates tend to be high and variation coefficients are mostly quite uniform for the different offence categories. However, some problematic offence definitions can be identified. As a result of regional analysis it can be shown that conformity rates across Europe do not vary randomly, but follow a certain pattern.

 $\textbf{Keywords} \quad \text{Conviction statistics} \cdot \text{European Sourcebook} \cdot \text{Methodology} \cdot \text{Offence definitions} \cdot \text{Police statistics} \cdot \text{Regional analysis}$ 

A shorter version of this paper was presented at the 10th Annual Meeting of the European Society of Criminology (Liège, 8–11 September 2010).

S. Harrendorf (\overline{\

Institute of Criminal Law and Justice, University of Göttingen, Platz der Göttinger Sieben 6, 37073 Goettingen, Germany e-mail: stefan.harrendorf@jura.uni-goettingen.de



### Introduction

Collecting comparable data on registered crime and on criminal justice across countries is a complex, almost impossible task (Harrendorf 2011: 126-128). Differences found between countries in levels of crime can not only or mainly be attributed to substantive factors, like actual differences in "real" crime levels, differences in the propensity to report offences etc. There are also statistical and legal factors influencing the outcome (Aebi 2008; Aebi 2010; von Hofer 2000). Thus, data collection is depending on different systems of statistical recording (cf. Aebi 2008 for the effect of counting rules on police level). But the individual specifications of criminal justice systems, as fixed in the legal provisions of the different countries, are very influential, too (von Hofer 2000). Therefore, even an approach using standard definitions can only foster comparability, but cannot establish it completely. However, using a system of elaborate and thoroughly validated definitions will not only maximize comparability within the restrictions the above-mentioned framework entails. It will also make the remaining differences transparent and visible (cf. Aebi et al. 2010: 341-375). Thus, the use and quality of offence definitions is a crucial issue for any approach to collect crime and criminal justice data on the different levels of the criminal justice process, from police to prisons.

The European Sourcebook of Crime and Criminal Justice Statistics (ESB) is a project collecting data on crime and criminal justice statistics across Europe that has already been around for 18 years now, with the first expert group meetings under the auspices of the Council of Europe dating back to 1993 (details on the group history can be found in Aebi et al. 2010: 15–18; Killias and Rau 2000). After the publication of the first edition 1999 (Council of Europe 1999), the Council of Europe could not support the project any longer, but the project was continued under varying financial circumstances (see Aebi et al. 2003; Aebi et al. 2006). Recently in 2010 the 4th edition ESB was published (Aebi et al. 2010), which featured a revised and expanded methodology, based on experiences made during a research project funded by the European Commission under the AGIS 2006 program (Jehle and Harrendorf 2010).

From the very beginning, the ESB project always focused on the importance of providing standard definitions for offences and collecting metadata on procedural and data collection rules affecting data comparability. Figures on a certain offence, like, for example, theft, do not mean much without any rules and metadata explaining what is meant by this word. Each and every criminal justice system will have its own legal provisions and high court decisions covering theft offences, predominating what is collected under the "theft" heading in national crime and criminal justice statistics and thus reducing data comparability. Therefore, simply comparing statistical categories bearing the same, yet translated, headline is like comparing apples with oranges disguised as apples.

In this article, the methodology connected with offence definitions in the ESB will be discussed and results of some quality checks of the definitions used in the ESB context will be shown. Future possible improvements of methodology and, based thereupon, data quality and comparability will be discussed.

# An Overview over ESB Methodology

The ESB is created by an international group of experts from different European countries, some of them being researchers at universities, others working in ministries, statistical offices or national police services. This expert group is in charge of designing, revising and



updating the questionnaires for each survey wave. An ESB questionnaire consists of various questions, not only collecting the data on police-recorded offences, suspects, police and prosecution staff, prosecution service decisions, convictions, sanctions and measures, prison population etc., but also gathering the necessary metadata on definitions, procedures and data collection methods in national statistics to further the understanding of the reported figures.

The final questionnaire for a survey wave is always sent out to the network of national correspondents the ESB group can rely on, all of them being experts for their own national system of crime and criminal justice statistics. In each responding country, the expert group has at least one, sometimes two or three, of these national correspondents. They have similar professional backgrounds as the ESB group experts. These correspondents are in charge of filling the questionnaire and sending it back to the group after completion. While in some countries, all or most of the data requested in the ESB survey are published and can therefore be filled in by the expert himself, relying on these official publications, the process of data gathering is more complex in other countries, where sometimes different official bodies have to be contacted and asked for their assistance in filling a part of the questionnaire, providing data from unpublished sources. Obviously, there are also still some countries that show large gaps in the data they have available and can report.

Most members of the expert group are also acting as a regional coordinator for a group of countries. For these countries, they are in charge of contacting the respective correspondents, responding to any questions they might have, checking the filled questionnaires for odd or missing data and get back to the correspondents with questions or remarks regarding the problems found. Together with the national correspondent, identified problems shall be solved or at least minimized.

This is already one important part of the validation process. Validation continues afterwards, after the data have been entered to a central database, by checks made on a chapter-per-chapter basis, i.e. for the general definitions part and for the police, prosecution, convictions and prison parts. These additional validation tasks are also distributed among the experts. In principle, by carrying out this procedure, missing data should be completed as far as possible and clearly odd data should be explained with an accompanying footnote or be deleted.

However, due to the huge differences between the criminal justice systems compared, it is of course possible that mistakes or problems are not always identified, because these huge differences are also reflected in the figures, reducing validity checks mainly to trend and internal validity checks, i.e. checks for odd "jumps" in time series, clear outliers and disproportions between variables, like a total figure being lower than the figure for a certain sub-group of that total. Other, less obvious errors might slip by unnoticed, especially in case of misunderstandings on the side of the national correspondents, because the supervision of and cooperation with the correspondents by the regional coordinators during the process of filling and validating the questionnaire depends on one of them communicating problems to the other. The correspondent will, however, usually not be conscious about his or her misunderstandings. The questionnaire is already designed to reduce the possibility of misunderstandings, but errors can occur anyway, might it be due to still ambiguous rules in the questionnaire or due to language problems: Usually, the correspondents are required to read and answer an English questionnaire, though their mother tongue is another.

A third validity check might reduce this problem (at least in theory): This would be a check of other sources, to compare the data these sources have with the data in the

<sup>&</sup>lt;sup>1</sup> Regarding the countries represented in the expert group, the experts from the group act as correspondents.



questionnaire (also cf. Harrendorf and Smit 2010, 146–147, with more details on the different types of data checks). For the first time, some cross-checking with the variables of the United Nations Crime Trends Survey (CTS) had been carried out for the 4th edition, namely for homicide, theft of motor vehicles, drug offences total, drug trafficking and total prison stock. Though a few additional problems in ESB data were identified during the cross-checking process, use was still limited for ESB purposes, due to the fact that the CTS data used for the comparison (10th survey data) had not been validated at all before the data were provided to the group.

Therefore, usually in the case of differences between results the ESB values turned out to be the more reliable ones. However, e.g. for motor vehicle theft the cross-checking showed that the definition used so far seems to miss two important rules: The rule to include theft of motorcycles, mopeds etc. and the rule to include theft of trucks, lorries etc. Without these rules, some correspondents tend to only report car theft, though there are also data on the theft of other motor vehicles in their statistical systems.

For future ESB editions, a comparison with CTS data on certain key variables will be more useful, since UNODC started to validate the data, especially from the 11th survey on.<sup>2</sup> Such a comparison will be especially helpful if one takes into account that the definitions of some CTS variables are very close or even identical to some ESB variables.

#### Offence Definitions in the 4th Edition ESB

Offence definitions in the ESB, with some exceptions for drug offences (cf. Jehle and Harrendorf 2010: 85–103; Aebi et al. 2010: 371–375), follow in principle the same concept: First of all, a standard definition is provided, which is not a legal definition, but shall optimize international comparability by having been adapted to meet the core elements each respective crime consists of in the legal and statistical systems of the majority of countries and therefore can most conveniently be followed. The standard definition is used to make clear what kind of criminal behaviour is meant by a certain offence type.

This standard definition is then followed by a list of specific items, some of which shall be included in, others excluded from the data reported. These rules are meant to deal with special forms of criminal behaviour for which it might be arguable whether that behaviour can still be subsumed under the standard definition. For example, the standard definition for homicide is "intentional killing of a person". The include list features assault leading to death, euthanasia, infanticide and attempts, the exclude list assistance with suicide.<sup>3</sup>

Correspondents were asked to try to meet the standard definitions and follow the include and exclude rules as closely as possible. Metadata on the conformity of and deviations from the standard definitions were collected for both police and convictions statistics (Aebi et al. 2010: 341–375).

<sup>&</sup>lt;sup>3</sup> Table 2 features a full list of offence definitions with all include and exclude rules.



The world-wide data of the 10th and previous CTS surveys were validated later on for the UNODC/HEUNI publication Harrendorf et al. (2010). The same had been done with the data for Europe and North America for earlier HEUNI publications like Aromaa and Heiskanen (2008). But the CTS data on the UNODC website for diplomatic reasons were mainly presented unvalidated until the 10th CTS. For the 10th survey, however, UNODC first started an extensive validation of homicide data (cf. UNODC [2009a]). From the 11th CTS on, data are validated to a much broader extent.

For the 4th edition ESB (also cf. Jehle and Harrendorf 2010; Aebi et al. 2010: 18–24 for details on 4th edition methodology), a couple of definitions have been revised or newly introduced to the questionnaire. The revision or design of a definition has always been based upon the expert knowledge assembled in the ESB group on the legal provisions and statistical categories structuring data in the different countries, as well as on comparative issues. International studies regarding these topics (like Savona and Vettori 2006) have also been analyzed. Based on these sources, new and revised offence definitions have been designed. In the 4th edition, the definitions have then been tested with a trial questionnaire sent out only to the members of the expert group. For some of the new or revised definitions, the trial questionnaire has been supported by some additional, in-depth questions on these offences, their definition, the respective legal provisions and the way of statistical recording. Based on the results of this trial phase, the definitions have been partially modified.

Due to this, the 4th edition ESB questionnaire featured more offence groups and subgroups than any of the earlier ESB editions. The extension was due to the above-mentioned AGIS project, which, inter alia, focused on the introduction of further crime types, especially those subject to EU-harmonized definition (Jehle and Harrendorf 2010). In total, the 4th edition covers 27 offence groups and subgroups on police level. This means that the number of offence groups and subgroups was more than doubled compared to the earlier editions. In the other chapters of the 4th edition questionnaire, some of the new subgroups were not included. In these other chapters (prosecution, conviction, corrections) 21 offence groups and subgroups were covered.

Table 1 shows the offence groups and subgroups for which data were collected in the 4th edition ESB. As can clearly be seen from the table, there were many changes and additions in definitions of offences. Only for six offence groups, the definitions remained completely unchanged. In addition, for three offence groups there were only minor changes, probably not affecting the data reported. On the other hand, four offence groups or subgroups were revised significantly and 14 have been newly introduced, six of these on police level only.

However, not all of the offence subgroups mentioned were addressed by separate definitions. While all offence groups were defined separately, the same is only true for a few of the subgroups, namely for aggravated bodily injury, motor vehicle theft, burglary and domestic burglary. The drug offence subgroups were also subject to some kind of definition, though not in the standardized way used everywhere else in the ESB (cf. Jehle and Harrendorf 2010: 85–103; Aebi et al. 2010: 371–375). All other subgroups for which data were collected were only separate items on include lists of definitions. The standard definitions used for the 19 offence groups and subgroups that were defined separately and the respective include and exclude lists can be looked up in detail in Table 2.

### **Results: Quality of the Definitions Used**

Overall Conformity with Definitions on Police Level

The quality of the definitions used is crucial for data comparability and validity. One indicator of quality might be the level of conformity with a standard definition that could be reached. The conformity is measured by the degree to which include and exclude rules could be followed. Figures 1 and 2 therefore show the overall conformity rates with the standard definitions on police level for all responding countries. Offence definitions are



Table 1 Changes in offence groups and sub-groups introduced with the 4th edition ESB

Offence group	Sub-group	Unchanged		Major revision	New	Police only
Criminal offences	Total			X		
	of which: minor property offences handled outside the criminal justice system				X	X
	of which: minor violent offences handled outside the criminal justice system				X	X
	of which: major traffic offences		X			
Intentional homicide	Total	X				
	of which: completed	X				
Bodily injury	Total			X		
[assault]	of which: minor bodily injury				X	X
	of which: aggravated bodily injury				X	
	of which: bodily injury of a public servant				X	X
	of which: domestic violence				X	X
Rape				X		
Sexual assault					X	
Sexual abuse of minors					X	
Robbery			X			
Theft	Total		X			
	of which: minor theft handled outside the criminal justice system				X	X
	of which: theft of a motor vehicle	X				
	of which: burglary total	X				
	of which: domestic burglary	X				
Fraud					X	
Offences against computer data and systems					X	
Money laundering					X	
Corruption					X	
Drug offences	Total			X		
J	of which: drug trafficking	X				
	of which: aggravated drug trafficking.				X	
Total		6	3	4	14	6

split into "new" (Fig. 2) and "classic" (Fig. 1) in order to allow an easy comparison between these two groups, too. A breakdown of these results by separate countries can be found in Table 3.

A definition is considered to have been followed in all respects by a correspondent, if he or she was able to include in the data all items on the include list and exclude from it all

<sup>&</sup>lt;sup>4</sup> I.e. first introduced in the 4th edition.



Table 2 Offence definitions and include/exclude rules used in the 4th edition ESB

Offence name	Definition	Include	Exclude
Total criminal offences	In principle, all offences defined as criminal by the law should be included. <sup>a</sup>	minor theft and other minor property offences (even if subject to proceedings outside the criminal justice system)	minor traffic offences (e.g. parking offences)     breaches of public order regulations
		minor assault and other minor violent offences (even if subject to proceedings outside the criminal justice system)	all other minor offences subject to proceedings outside the criminal justice system, even if defined
		<ul> <li>criminal offences committed by juveniles</li> <li>major traffic offences</li> </ul>	as criminal by the law (i.e. misdemeanors, contraventions,
		(e.g. drunk driving)	wykroczenia, faltas)
		<ul> <li>all other criminal offences subject to criminal proceedings</li> </ul>	
Intentional	Intentional killing of a	· assault leading to death	assistance with suicide
homicide	person.	• euthanasia	
		• infanticide	
Bodily injury	Inflicting bodily injury	<ul><li> attempts</li><li> minor bodily injury</li></ul>	assault leading to death
(assault)	on another person with intent.	(even if subject to proceedings outside the criminal justice system)	threats (except in the case of an attempt)
		aggravated bodily injury	<ul> <li>assault only causing pain</li> </ul>
		<ul> <li>bodily injury of a public servant/official</li> </ul>	• slapping or punching
Aggravated bodily injury (assault)		<ul> <li>domestic violence</li> </ul>	<ul> <li>sexual assault</li> </ul>
		<ul> <li>attempts</li> </ul>	
	Inflicting serious (i.e. grave, e.g. life-	<ul> <li>serious and lasting (i.e. disabling) bodily injury</li> </ul>	assault leading to death
	threatening or dis- abling) bodily injury to another person	<ul> <li>life-threatening bodily injury</li> </ul>	• threats (except in case of an attempt)
	with intent, or under aggravated circum-	• use of weapons (dangerous objects)	• sexual assault
	stances (use of weapons, or on a	<ul> <li>particularly vulnerable victim</li> </ul>	
	vulnerable victim).b	<ul> <li>attempts</li> </ul>	
Rape	Sexual intercourse with a person against her/	<ul> <li>penetration other than vaginal (e.g. buggery)</li> </ul>	<ul> <li>sexual intercourse with a minor without force</li> </ul>
	his will (per vaginam or other).	<ul> <li>violent intra-marital sexual intercourse</li> </ul>	• other forms of sexual assault
		<ul> <li>sexual intercourse without force with a helpless person</li> </ul>	
		<ul> <li>sexual intercourse with force with a minor</li> </ul>	
		<ul> <li>attempts</li> </ul>	



Table 2 (continued)

Offence name	Definition	Include	Exclude
Sexual assault	Physical sexual contact with a person against her/his will.	any sexually motivated physical contacts committed with violence	any verbal or any other form of non-physical molestation
		<ul> <li>any sexually motivated</li> </ul>	<ul> <li>pornography</li> </ul>
		acts committed with abuse of authority or undue pressure	• acts committed without violence
		any sexually motivated acts committed against a helpless person	acts committed against persons under the age of consent (considered as abuse of minors; see below)
		<ul> <li>any sexually motivated acts committed against a marital partner against her/his will</li> </ul>	• acts considered as rape (see above)
		<ul> <li>attempts</li> </ul>	
Sexual abuse of minor	Sexual intercourse, or any other form physical sexual contact, with a	sexual intercourse or any other form of physical sexual contact committed	verbal or any other form of non-physical molestation
	person below the age	without violence	<ul> <li>child pornography</li> </ul>
	of consent. <sup>c</sup>	• acts committed by a person below the age of consent	• acts considered as rape (see above)
Robbery		• acts committed by persons above the age of consent	
		<ul> <li>attempts</li> </ul>	
	Stealing from a person with force or threat	<ul> <li>muggings (bag- snatchings)</li> </ul>	• pick-pocketing
	of force.	theft immediately followed by force or threat of force used to keep hold of the stolen goods	extortion     blackmailing
		<ul> <li>attempts</li> </ul>	
Theft	Depriving a person or organisation of property without force with the intent	<ul> <li>minor (e.g. small value) theft (even if subject to proceedings outside the criminal justice system)</li> </ul>	<ul><li>embezzlement (including theft by employees)</li><li>robbery (see above)</li></ul>
	to keep it.	<ul> <li>burglary</li> </ul>	<ul> <li>receiving/handling</li> </ul>
		<ul> <li>theft of motor vehicles</li> </ul>	stolen goods
		<ul> <li>theft of other items</li> </ul>	
		• attempts	
Theft of a motor vehicle	Depriving a person or organisation of a motor vehicle with the intent to keep it or to use it.	• joyriding • attempts	theft of motorboats     receiving/handling a stolen vehicle



Table 2 (continued)

premises by use of force with the objective to steal goods. <sup>d</sup> Domestic burglary  Gaining access to private premises by use of force with the objective to steal goods.  Descriving someone or taking advantage of someone's error with the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  Prand establishment  theft by using false keys  theft by using false keys  theft from an attic or basement in a multidewelling building  theft from a secondary residence (even if unoccupied)  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from a secondary residence (even if unoccupied)  theft from an attic or basement in a multidevelling building  theft from a secondary residence (even if unoccupied)  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an attic or basement in a multidevelling building  theft from an at	
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goods.  residence (even if unoccupied)  attempts  attempts  taking advantage of someone's error with the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  Traud  Deceiving someone or taking advantage of someone's error with the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  Therefore the firm meadow receiving subject to proceedings outside the criminal justice system)  attempts  taking advantage of fraud (even if subject to proceedings outside the criminal justice system)  attempts  taking advantage of fraud (even if subject to proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm meadow stolen proceedings outside the criminal justice system)  tax and of the firm and the firm meadow stolen proceedings outside the criminal justice system)	om a detached
Fraud  Deceiving someone or taking advantage of someone's error with the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  The minor (e.g. small value) fraud (even if subject to proceedings outside the criminal justice system)  * attempts  * attempts  * attempts  * attempts  * meadov  * receiving someone or fraud (even if subject to proceedings outside the criminal justice system)  * tax and of the criminal justice system)  * attempts  * money  * forgery paymer  * money  * forgery paymer  * money  * comput deceptic comput human  * consum	shed, barn or
taking advantage of someone's error with the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  Take the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  Take the proceedings outside the criminal justice system) stolen proceed	om a fenced v/compound
the intent to unlawfully gain financial benefits, thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  the intent to unlawfully criminal justice system) passpor passpor tax and control tax and	g/handling a property
thereby causing the deceived person to enter any operation that will be damaging to his or a third person's financial interests.  enter any operation that will be damaging to his or a third person's financial interests.  enter any operation fraud in paymer money forgery paymer  comput deceptic comput human  consum	of documents, ts etc.
deceived person to enter any operation that will be damaging to his or a third person's financial interests.  • attempts • fraud in paymer • money forgery paymer • comput deceptic comput human • consum	customs offences
that will be damaging paymer to his or a third • money person's financial interests. • forgery paymer • comput deceptic comput human • consum	fraud
person's financial interests.  • forgery paymer  • comput deceptic comput human • consum	volving welfare its
interests.  • forgery paymer  • comput deceptic comput human  • consum	laundering
deceptic comput human • consum	of money/ at instruments
	er instead of a
	ing goods or
• breaching embezz	ng of trust / lement
confidentiality, into electronic intentional access to a data or integrity and systems (computers) computer system availability of or unauthorized use computer data and or manipulation of 'hacking')	lownloading of programs
systems electronic systems, data or software.  • illegal interception (i.e. interception without right, made by technical means, of non-public transmissions of computer data)	
<ul> <li>data interference (i.e. damaging, deletion,</li> </ul>	



Table 2 (continued)

Offence name	Definition	Include	Exclude
		deterioration, alteration or suppression of computer data without right)	
		• system interference (i.e. serious hindering without right of the functioning of a computer system)	
		<ul> <li>misuse of devices (i.e. production, sale, procurement for use, import, or distribution of a device or a computer password/access code)</li> </ul>	
		computer fraud (i.e. deception of a computer instead of a human being)     attempts	
Money laundering	Specific financial transactions to conceal the identity, source, and/or destination of money or non-monetary property deriving from criminal activities.	<ul> <li>receiving and handling illegally obtained (but not stolen) nonmonetary property</li> <li>attempts</li> </ul>	<ul> <li>receiving/handling stolen property</li> <li>violations of the 'know-your-customer' rule (i.e. negligence in identification of customer's identity or origin of funds)</li> </ul>
Corruption in the public sector	Offering or accepting financial or any other advantage in	<ul><li> active and passive corruption</li><li> instigation to corruption</li></ul>	<ul><li>corruption in the private sector</li><li>extortion (except by</li></ul>
	exchange of favourable treatment by public officials.	11. 14	public officials)
	by public officials.	<ul><li>complicity</li><li>corruption of domestic officials</li></ul>	bribery of the electorate
		<ul> <li>corruption of foreign officials</li> </ul>	
		<ul> <li>extortion by public officials</li> </ul>	
	<ul> <li>offering officials advantages without immediate interest</li> </ul>		
		<ul> <li>attempts</li> </ul>	
Drug offences	The definition is largely uniform	<ul> <li>cultivation</li> </ul>	-
	through international	• production	
	conventions.	• sale	
	conventions.		
	conventions.	supplying     transportation	
	conventions.	<ul><li> supplying</li><li> transportation</li><li> importation</li></ul>	



Table 2 (continued)

Offence name	Definition	Include	Exclude
		financing of drug operations	
		<ul> <li>consumption</li> </ul>	
		<ul> <li>possession of larger quantities</li> </ul>	
		<ul> <li>possession of small quantities<sup>e</sup></li> </ul>	
Drug trafficking	In most countries such acts are punishable as an aggravated offence (usually called 'trafficking') if the act is not in connection with personal use.	-	-
Aggravated drug trafficking	No fixed definition provided. <sup>f</sup>	-	-

<sup>&</sup>lt;sup>a</sup> Additional explanation in questionnaire: "But there are some countries which follow a minor offence concept either excluding them from the criminal code (for example the wykroczenia in Poland in cases of minor thefts etc.) or making them subject to special proceedings (for example most contraventions in France which are handled by the police only) outside the criminal justice system. Sometimes they are recorded in police statistics, sometimes not."

- If such an offence is defined through the quantity of drugs the offender dealt with, please specify the limits (above which the offence is considered aggravated) for each of the following substances: cannabis, heroin, cocaine, ecstasy, amphetamines.
- If such an offence is defined through the way the offender has been operating, please specify whether an offence is aggravated in case of a) organised criminal operations, b) large monetary profits, c) as part of terrorist activities, d) in view of any other circumstances (please specify).

items on the exclude list. Otherwise, the definition was considered not to be followed. For a few countries, there were ambiguities in the answers given, preventing a clear assessment. These responses were marked "unclear" in the figures. Finally, a fourth category covers countries which were unable to provide quantitative data for the respective offence type.

To give an example, let me return to the standard definition for homicide: It is "intentional killing of a person". The include list features assault leading to death, euthanasia, infanticide and attempts, the exclude list assistance with suicide. This definition is considered to have been followed in all respects, if a correspondent was able to include assault leading to death, euthanasia, infanticide and attempts in the reported data, but exclude assistance with suicide.



<sup>&</sup>lt;sup>b</sup> Additional explanation in questionnaire: "Please note that cases of aggravated bodily injury should be counted under the Total of bodily injury as well."

<sup>&</sup>lt;sup>c</sup> The age of consent is also collected in the questionnaire. It is defined as follows: "Age of consent means the age under which a minor cannot validly consent to have sexual contacts."

<sup>&</sup>lt;sup>d</sup> Additional explanation in questionnaire: "In some countries, burglary is known as 'aggravated theft'."

<sup>&</sup>lt;sup>e</sup> The limits of the "small" quantity are also collected in the questionnaire: "If possession of small quantities of drugs is excluded, please specify the upper limit for each of the following substances: cannabis, heroin, cocaine, ecstasy, amphetamines."

f Instead, the questionnaire features two questions:

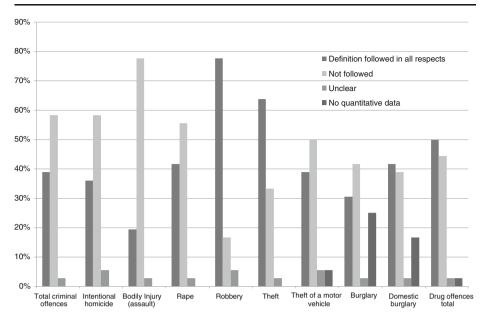


Fig. 1 Overall conformity with definitions on police level for the "classic" ESB offences (Also see Table 3 with detailed results per country.)

Of course it should also be taken into account that the validation system used cannot fully eliminate errors on the side of correspondents (see above). It is known that there were also some misunderstandings regarding the include/exclude system used for the definitions, but it can be expected that these errors will not distort the global results presented here.

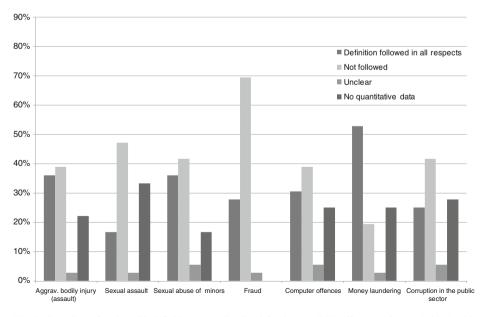


Fig. 2 Overall conformity with definitions on police level for the new ESB offences (Also see Table 3 with detailed results per country.)



Table 3 Standard definitions met by country and criminal offence on police level (Source: Aebi et al (2010), p. 343.)

Austrain         YEE         NO         NO         NO         YEE         NO         Amonate         Amonate         Amonate         NO		Total criminal offences	Intentional	Bodily Injury (assault)	Aggrav. bodily injury (assault)	Rape	Sexual assault	Sexual abuse of minors	Robbery	Theft	Theft of a motor vehicle	Burglary	Domestic burglary	Fraud	Computer	Money Iaundering	Corruption in the public sector	Drug offences total
No	Albania	YES	NO	NO	NO	NO	:	NO	YES	YES	NO	YES	YES	NO	YES	YES	NO	NO
No   No   No   No   No   No   No   No	Armenia	YES	NO	NO	ON	NO	ON	NO	YES	ON	YES	:	:	ON	NO	YES	YES	YES
No   No   No   No   No   No   No   No	Austria	NO	YES	YES	YES	NO	ON	NO	YES	YES	YES	ON	YES	NO	YES	YES	:	YES
No   Yes   No   Yes	Belgium	NO	NO	NO	:	NO	YES	YES	YES	YES	YES	:	YES	YES	NO	NO	YES	ON
15.   15.	Bulgaria	NO	YES	NO	YES	YES	ON	YES	NO	NO	NO	ON	NO	NO	NO	YES	NO	YES
NO	Croatia	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	YES	YES
1	Cyprus	NO	NO	NO	YES	YES	YES	YES	YES	ON	NO	YES	:	NO	NO	NO	YES	YES
4         4	Czech Republic	ON	NO	ON	ON	YES	÷	YES	NO	ON	ON	ON	ON	ON	NO	YES	ON	ON
YES         NO         YES	Denmark	YES	YES	ON	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	:	NO	ON
YES         NO         YES         NO         YES         YES         YES         YES         NO         YES         NO	Estonia	ON	ON	YES	YES	YES	ON	YES	YES	NO	ON	:	ON	ON	YES	YES	ON	NO
VES         VES <td>Finland</td> <td>YES</td> <td>NO</td> <td>NO</td> <td>ON</td> <td>YES</td> <td>:</td> <td>NO</td> <td>YES</td> <td>YES</td> <td>NO</td> <td>YES</td> <td>NO</td> <td>YES</td> <td>NO</td> <td>NO</td> <td>NO</td> <td>YES</td>	Finland	YES	NO	NO	ON	YES	:	NO	YES	YES	NO	YES	NO	YES	NO	NO	NO	YES
YES         YES <td>France</td> <td>NO</td> <td>YES</td> <td>NO</td> <td>:</td> <td>NO</td> <td>ON</td> <td>:</td> <td>YES</td> <td>YES</td> <td>YES</td> <td>NO</td> <td>NO</td> <td>NO</td> <td>:</td> <td>:</td> <td>:</td> <td>YES</td>	France	NO	YES	NO	:	NO	ON	:	YES	YES	YES	NO	NO	NO	:	:	:	YES
y         NO         YES         NO         YES	Georgia	YES	YES	NO	ON	YES	÷	:	YES	YES	YES	:	:	YES	:	:	YES	YES
YES         NO         YES         NO         YES         NO         YES         NO         YES         NO         YES	Germany	NO	YES	NO	NO	YES	YES	NO	YES	YES	YES	YES	YES	NO	YES	YES	YES	NO
y         YM         YM </th <td>Greece</td> <td>YES</td> <td>NO</td> <td>NO</td> <td>YES</td> <td>NO</td> <td>i</td> <td>:</td> <td>YES</td> <td>ON</td> <td>:</td> <td>NO</td> <td>:</td> <td>NO</td> <td>:</td> <td>:</td> <td>:</td> <td>YES</td>	Greece	YES	NO	NO	YES	NO	i	:	YES	ON	:	NO	:	NO	:	:	:	YES
NO YES NO NO YES YES YES YES YES YES YES YES NO NO NO NO YES YES YES YES NO NO NO YES YES YES NO NO NO YES YES YES NO NO NO YES YES NO NO NO YES NO NO YES NO YES NO YES NO YES NO NO YES YES NO YES NO YES NO YES NO YES NO YES YES YES NO YES YES YES NO YES	Hungary	X/N	Y/N	Υ'N	Y/N	X/N	Y/N	ΥW	Y/N	YES	Υ/N	ΥN	YES	YES	X/X	YES	Υ/N	YES
NO NO YES YES YES YES YES YES YES YES YES NO NO YES	Iceland	NO	YES	NO	ON	YES	÷	NO	YES	YES	:	NO	:	NO	NO	YES	NO	ON
YES         NO         NO         YES	Ireland	NO	NO	YES	YES	YES	YES	YES	YES	YES	NO	NO	:	YES	NO	YES	YES	YES
ia YeS YeS NO NO NO YES YES YES NO YES YES YES NO YES NO YES NO NO NO NO YES YES NO YES YES NO YES	Italy	YES	NO	NO	:	NO	÷	YES	YES	YES	YES	:	YES	NO	NO	YES	:	NO
ia YES YES NO YES YES NO NO YES YES NO YES NO YES NO YES NO YES NO NO YES NO NO YES NO NO YES	Latvia	NO	NO	NO	YES	YES	÷	NO	YES	YES	NO	YES	YES	NO	YES	YES	:	YES
ands YES NO YN	Lithuania	YES	YES	NO	YES	YES	NO	NO	YES	YES	NO	YES	YES	NO	NO	YES	NO	NO
ands YES NO NO NO NO NO NO YES YES NO NO YES	Moldova	NO	Y/N	NO	ON	NO	NO	X/N	Y/N	X/N	Υ'N	:	Y/N	X/N	Y/N	Y/N	NO	YES
NO YES NO NO NO NO YES NO NO NO YES YES NO YES	Netherlands	YES	NO	NO	:	NO	NO	:	YES	YES	ON	NO	NO	YES	:	:	:	ON
YES NO NO NO NO NO YES	Poland	NO	YES	NO	YES	NO	÷	NO	NO	NO	YES	ON	NO	NO	YES	NO	YES	NO
YES NO NO NO YES NO YES	Portugal	YES	NO	NO	ON	NO	NO	NO	YES	YES	ON	YES	YES	YES	YES	YES	NO	ON
	Romania	YES	NO	ON	NO	YES	NO	YES	YES	YES	YES	:	NO	YES	YES	YES	NO	YES



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Table 3 (Commuca)	Ondinaca)																
	Total criminal offences	Intentional	Bodily Injury (assault)	Aggrav. bodily injury (assault)	Rape	Sexual assault	Sexual abuse of minors	Robbery	Theft	Theft of a motor vehicle	Burglary	Domestic burglary	Fraud	Computer	Money laundering	Corruption in the public sector	Drug offences total
Russia	ON	ON	YES	YES	ON	:	:	YES	ON	ON	ON	ON	ON	YES	NO	NO	NO
Slovakia	ON	ON	ON	NO	NO	:	ON	ON	NO	YES	ON	NO	NO	:	:	NO	YES
Slovenia	ON	NO	ON	NO	ON	ON	ON	YES	YES	NO	ON	YES	NO	NO	YES	NO	ON
Sweden	NO	YES	ON	:	NO	NO	YES	ON	YES	NO	ON	NO	NO	NO	:	:	ON
Switzerland	NO	ON	YES	:	NO	ON	ON	YES	NO	NO	YES	NO	NO	:	NO	:	YES
Turkey	YES	YES	YES	:	YES	ON	YES	YES	YES	YES	:	NO	YES	ON	YES	NO	:
Ukraine	ON	ON	ON	NO	NO	:	ON	YES	NO	NO	:	YES	NO	NO	YES	YES	ON
UK: England & Wales	ON	ON	ON	:	ON	ON	÷	YES	NO	ON	YES	YES	ON	:	:	:	YES
UK: Northern Ireland	YES	YES	ON	YES	ON	YES	YES	YES	YES	YES	YES	YES	ON	:	:	:	YES
UK: Scotland	ON	NO	ON	NO	ON	ON	ON	ON	YES	YES	ON	YES	NO	:	NO	Υ/N	X/N
Total "Yes"	14	13	7	13	15	9	13	28	23	14	11	15	10	11	19	6	18
Total "No"	21	21	28	14	20	17	15	9	12	18	15	14	25	14	7	15	16
Total "Y/N"	1	2	1	1	1	1	2	2	_	2	1	-	_	2	1	2	1
Total ""	0	0	0	∞	0	12	9	0	0	2	6	9	0	6	6	10	1
% "Yes"	38.89%	36.11%	19.44%	36.11%	41.67%	16.67%	36.11%	77.78%	63.89%	38.89%	30.56%	41.67%	27.78%	30.56%	52.78%	25.00%	50.00%
", "No",	58.33%	58.33%	77.78%	38.89%	55.56%	47.22%	41.67%	16.67%	33.33%	\$0.00%	41.67%	38.89%	69.44%	38.89%	19.44%	41.67%	44.44%
"N/A" %	2.78%	5.56%	2.78%	2.78%	2.78%	2.78%	5.56%	2.56%	2.78%	5.56%	2.78%	2.78%	2.78%	5.56%	2.78%	5.56%	2.78%
%	0.00%	%00.0	%00.0	22.22%	%00.0	33.33%	16.67%	%00.0	0.00%	5.56%	25.00%	16.67%	%00.0	25.00%	25.00%	27.78%	2.78%



The main quality indicator used in the following is the rate of countries which were able to follow a given definition completely and provide data for it. Not only is the provision of data not fully in accordance with the standard definition an issue that might hint at a quality problem of a certain definition. The same might be true for high rates of missing data.

The highest overall conformity rates can be found for robbery (78%) and theft (64%), closely followed by the newly introduced offence of money laundering (53%) and by drug offences total (50%), both of which being subject to several EU-wide and even worldwide combating initiatives (an overview is given in UNODC 2009b for drug crime and Alldrige 2008 for money laundering). The lowest conformity rates can be found for sexual assault (17%) and bodily injury (19%), corruption in the public sector (25%) and fraud (28%). Low conformity rates can be found more often for the newly introduced offence types than for the "classic" ones.

That a definition was not closely followed by many countries does, however, not necessarily mean that this definition is problematic. It can also be understood to mean that in a certain field of crime conformity of definitions as reflected by the national statistics is low. This means that there is not necessarily a "better" definition than the one used. But a close examination of the answers provided and the patterns of deviation can help to identify the potential for future improvements.

For example, for bodily injury the low conformity levels can be explained by the diverse concepts of this offence that can be found across Europe: While in some countries a wide concept (better reflected by the term "assault") is in use, which sometimes even covers mere threats, but more often assault only causing pain and slapping and punching, other countries follow a more restricted concept requiring actual injury (cf. Jehle and Harrendorf 2010: 33–53). The ESB always followed a restricted concept of assault/bodily injury, asking countries to exclude mere threats, assault only causing pain and slapping and punching. Metadata, however, show that 12 countries or, if counting the constituent countries of the UK separately, 14 countries were not able to follow such a narrow definition (see Aebi et al. 2010: 352). It should be tested for future editions, if higher conformity rates could be achieved by turning to a wider definition of assault, e.g. still excluding mere threats, but including assault only causing pain and slapping and punching.

Differences can also be explained by a mere "technical" issue. Conformity rates shown in Figs. 1 and 2 are not fully comparable between offence groups: Since overall conformity rates are shown, a standard definition with a long include/exclude list is more likely not to reach 100% conformity than a definition with only very few items on that list. This is a possible explanation for the low overall conformity rates for fraud, an offence which features twelve items on that list, compared to, for example, only four for money laundering. However, there are also offences with a comparably long include/exclude list and a relatively high overall conformity rate, namely drug offences total with 11 items on the list and a conformity rate of 50%. Legal conformity of definitions in the area of drug crime is quite high, since there are international conventions defining minimum levels of criminalization and reducing legislative discretion of individual countries mainly to the question how to deal with minor offences by drug consumers (see Malby 2010b).

When interpreting these results, it should also be kept in mind that a medium or even low overall conformity rate does not necessarily mean that the differences affect the "core" of an offence. For example, overall conformity for intentional homicide is quite low, though international comparisons show that homicide is an offence with a relatively high international comparability (see recently Malby 2010a; Geneva Declaration Secretariat 2008, 67 – 88; both also on methodological problems of comparison). The deviations for homicide mainly do not affect the core of the offence, but just the fringes, as can also be



seen if looking at the items on the include (assault leading to death, euthanasia, infanticide, attempts) and exclude list (assistance with suicide). Only one rule, the rule to include attempts, clearly affects the "core" of homicide. This single rule, however, shows a very high conformity (94% of countries were able to include attempts on police level). To a lesser extent, the rule to include assault leading to death is of (statistical) importance, too; it shows conformity of 75% on police level. The comparatively low overall conformity rates for homicide are therefore due to a combination of specific differences.

There are some offences for which data availability even on police level is quite low, namely sexual assault with 33% of all responding countries not being able to provide data, corruption in the public sector (28%) and burglary, computer offences and money laundering (each 25%). This might hint at a problem in statistical recording, like offences with only relatively few cases not being recorded separately (which might be the case for computer offences, money laundering or corruption), but might also be directly connected with the concept that is defined. This might be the case for burglary, a concept unknown by the penal law in many countries of continental Europe, which instead know different types of aggravated theft offences. The same can be true for sexual assault, an offence which cannot always easily be separated from rape, sexual abuse of minors and sexual harassment and therefore might not in all countries be reflected in separate statistics.

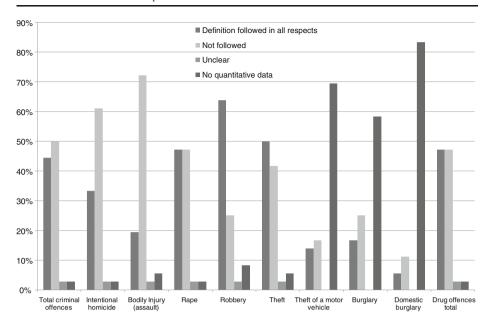
While the offences of drug trafficking and aggravated drug trafficking are mainly not covered here due to a differing, non-standardized, concept of definition (see Table 2), data availability can be checked for them, too. Doing so shows that data availability for aggravated drug trafficking is quite low, too. Obviously, this is not a separate concept in many statistical and/or legal systems.

# Overall Conformity with Definitions on Convictions Level

We now turn to look at the conformity rates on the convictions level. Figure 3 shows the overall conformity on that level for the "classic" ESB offences, Fig. 4 for the new ones (detailed results per country can be found in Table 4). For most offences, the results are quite similar to the results on police level, with only minor differences. Usually, conformity rates are a bit lower on convictions level. Since an offender can only be convicted for a certain offence as set down in the criminal code, conviction statistics are even more dependent on legal definitions of crimes than police statistics are, which often also reflect criminological concepts (Aebi et al. 2010: 342). However, there are also a few offences for which conformity rates on convictions level are higher than on police level, namely for total offences, rape, aggravated bodily injury, sexual assault and corruption.

For aggravated bodily injury, sexual assault and corruption this difference can at least partially be explained by an increase of data availability, i.e. data availability for these offences is better on convictions level than on police level. The same is also true for sexual abuse of minors. For aggravated bodily injury, this will be connected with the fact that aggravation will usually be a certain legal concept that is assessed by the court and therefore might be better reflected in court statistics. Sexual assault and sexual abuse of minors will also be legal concepts, though their definition will be subject to some variation. However, this improves recording on convictions level, while on the other hand police statistics might not be detailed enough in each and every country to record all types of sexual offences in a differentiated way. Corruption finally is an offence which will not be investigated by the police in some countries, but instead by some specialized administrative unit. This might explain the remarkable difference in data availability between police and conviction statistics.





**Fig. 3** Overall conformity with definitions on convictions level for the "classic" ESB offences (Also see Table 4 with detailed results per country.)

Apart from the data availability issue, the definitions of total offences, rape and aggravated bodily injury also showed lower rates of non-conformity on convictions level among those countries which provided data. This might be explained by these definitions

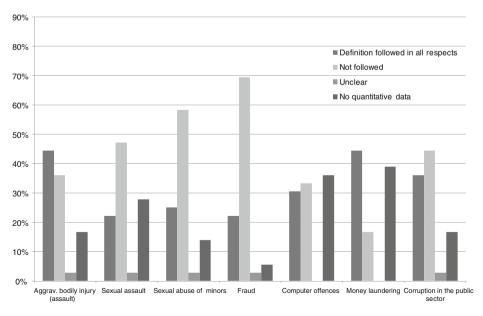


Fig. 4 Overall conformity with definitions on convictions level for the new ESB offences (Also see Table 4 with detailed results per country.)



Table 4 Standard definitions met by country and criminal offence on convictions level (Source: Aebi et al (2010), p. 345.)

	Total criminal offences	Intentional Bodily homicide Injury (assault		Aggrav. bodily injury (assault)	Rape	Sexual	Sexual abuse of minors	Robbery	Theft	Theft of a motor vehicle	Burglary	Domestic burglary	Fraud	Computer	Money laundering	Corruption in the public sector	Drug offences total
Albania	YES	ON	NO	ON	YES	:	NO	YES	ON	:	÷	:	ON	YES	YES	NO	NO
Armenia	YES	ON	ON	ON	NO	ON	NO	YES	ON	YES	:	:	ON	NO	YES	YES	YES
Austria	NO	YES	YES	YES	NO	NO	NO	YES	YES	:	NO	:	ON	YES	YES	:	YES
Belgium	YES	ON	YES	YES	ON	YES	YES	YES	YES	:	÷	:	YES	YES	NO	YES	ON
Bulgaria	NO	YES	ON	YES	YES	ON	YES	NO	ON	:	:	:	ON	:	:	NO	YES
Croatia	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	NO	:	ON	YES	YES	YES	YES
Cyprus	NO	NO	ON	YES	YES	ON	NO	YES	ON	:	YES	:	ON	:	NO	YES	YES
Czech Republic	NO	ON	ON	NO	YES	:	ON	ON	NO	:	:	:	NO	ON	YES	ON	NO
Denmark	YES	YES	ON	YES	YES	ON	NO	YES	YES	YES	YES	YES	YES	YES	:	NO	ON
Estonia	NO	NO	YES	YES	YES	NO	NO	YES	ON	:	:	:	ON	YES	YES	NO	ON
Finland	YES	NO	ON	ON	YES	:	ON	YES	YES	ON	÷	:	YES	NO	NO	NO	YES
France	YES	YES	YES	YES	NO	ON	ON	:	ON	:	:	:	ON	:	:	NO	YES
Georgia	YES	YES	ON	NO	YES	YES	:	YES	YES	:	:	:	YES	:	:	YES	YES
Germany	YES	YES	ON	ON	YES	YES	ON	YES	YES	:	ON	NO	ON	YES	YES	YES	ON
Greece	YES	NO	ON	YES	ON	YES	YES	YES	ON	ON	:	:	NO	:	YES	YES	YES
Hungary	X/N	X/N	Y/N	Y/N	Υ'N	Y/N	X/N	X/N	X/N	:	:	:	Y/N	:	:	Y/N	YES
Iceland	ON	YES	ON	:	YES	:	ON	YES	YES	:	:	:	ON	:	:	÷	ON
Ireland	ON	NO	:	:	YES	YES	:	:	:	:	:	:	:	:	:	÷	YES
Italy	YES	NO	NO	:	NO	:	NO	NO	YES	:	:	:	NO	NO	YES	YES	NO
Latvia	ON	NO	ON	YES	YES	YES	ON	YES	YES	:	YES	:	ON	:	:	NO	YES
Lithuania	YES	YES	ON	YES	YES	ON	NO	YES	YES	:	÷	:	ON	NO	YES	NO	ON
Moldova	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Netherlands	YES	NO	NO	NO	NO	ON	YES	YES	YES	:	NO	:	YES	YES	YES	YES	NO
Poland	NO	YES	ON	YES	NO	:	ON	NO	ON	:	NO	:	ON	YES	NO	YES	ON
Portugal	YES	NO	ON	NO	YES	ON	YES	YES	YES	:	:	:	YES	NO	YES	NO	ON
Romania	YES	NO	ON	ON	YES	ON	YES	YES	ON	YES	YES	NO	YES	YES	YES	NO	YES
Russia	NO	NO	YES	YES	NO	:	:	YES	NO	:	::	:	NO	:	:	NO	NO



Table 4 (continued)

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	Total criminal offences	Total Intentional Bodily criminal homicide Injury offences (assaul	Bodily Injury (assault)	Aggrav. bodily injury (assault)	Rape	Sexual	Sexual abuse of minors	Robbery	Theft	Theft of a motor vehicle	Burglary	Burglary Domestic burglary	Fraud	Computer	Money laundering	Corruption in the public sector	Drug offences total
Slovakia	ON	NO	ON	NO	ON	ON	ON	NO	ON	YES	NO	NO	NO	ON	ON	ON	YES
Slovenia	ON	NO	ON	YES	NO	ON	ON	YES	YES	:	NO	:	NO	NO	YES	NO	NO
Sweden	ON	NO	ON	NO	NO	ON	ON	NO	YES	ON	ON	:	NO	NO	:	:	NO
Switzerland	ON	YES	YES	YES	NO	ON	YES	NO	YES	:	:	:	NO	NO	YES	NO	YES
Turkey	YES	NO	ON	NO	NO	:	ON	NO	YES	:	:	:	YES	YES	:	YES	YES
Ukraine	ON	NO	ON	:	NO	:	÷	YES	NO	:	:	:	NO	NO	YES	YES	NO
UK: England & Wales	NO	NO	ON	:	ON	ON	YES	YES	ON	ON	YES	YES	ON	÷	:	:	YES
UK: Northern Ireland	ON	YES	ON	YES	YES	YES	YES	YES	ON	ON	ON	ON	ON	ON	:	NO	NO
UK: Scotland NO	ON	NO	ON	NO	NO	ON	ON	NO	YES	YES	YES	:	NO	:	NO	YES	X/N
Total "Yes"	16	12	7	16	17	8	6	23	18	5	9	2	8	11	16	13	17
Total "No"	18	22	26	13	17	17	21	6	15	9	6	4	25	12	9	16	17
Total "Y/N"	_	1	1	1	-	1	1	_	1	0	0	0	-	0	0	1	-
Total ""	1	1	2	9	_	10	5	3	2	25	21	30	2	13	14	9	_
"sək., %	44.44%	33.33%	19.44%	44.44%	47.22%	22.22%	25.00%	63.89%	50.00%	13.89%	16.67%	5.56%	22.22%	30.56%	44.44%	36.11%	47.22%
"oN., %	\$0.00%	61.11%	72.22%	36.11%	47.22%	47.22%	58.33%	25.00%	41.67%	16.67%	25.00%	11.11%	69.44%	33.33%	16.67%	44.44%	47.22%
"N/A" %	2.78%	2.78%	2.78%	2.78%	2.78%	2.78%	2.78%	2.78%	2.78%	0.00%	0.00%	%00.0	2.78%	0.00%	0.00%	2.78%	2.78%
%	2.78%	2.78%	5.56%	16.67%	2.78%	27.78%	13.89%	8.33%	5.56%	69.44%	58.33%	83.33%	5.56%	36.11%	38.89%	16.67%	2.78%
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being quite near to a legal concept, which is not fully reflected in all police statistics. This is especially plausible for the total of offences. For this category, it is (inter alia) explicitly asked to include major traffic offences, but exclude minor ones, and include all other offences defined as criminal by the law. While traffic offences, tax offences, customs offences etc. are often not investigated by the police and thus not recorded in police statistics, these offence types will appear on convictions level as far as they are defined as criminal by the law.

But the most striking difference between the police and convictions level is the fact that for the offences of motor vehicle theft, burglary and domestic burglary data availability on convictions level is much lower than on police level. For domestic burglary, only about 17% of all responding countries were able to provide data on convictions level, for motor vehicle theft the rate is 31%, for burglary 42%. This makes clear that the definitions used for these offences are not reflected in the law of the majority of responding countries and can therefore not be separately identified on convictions level. It will be one of the important tasks for future editions to improve conformity in this area.<sup>5</sup>

## Item Conformity

As discussed above, overall conformity is a quality indicator that is not fully comparable between definitions, because a definition followed by an extensive include/exclude list is more likely not to reach 100% conformity compared to a definition with a shorter list.

Therefore, another quality indicator that should be checked is item conformity, i.e. the rate of countries that were able to follow a single include or exclude rule. Different from the overall assessment presented before, I will now only consider countries which reported data for the respective offence on the respective level (police or convictions). The item conformity rate is therefore the percentage of countries that followed the rule and provided data within all countries that provided data and gave an unambiguous answer for that item in the definitions section of the questionnaire.

To give an example: If 75% of all responding countries were able to include assault leading to death in homicide data on police level, the item conformity rate for that single item is 75%. The following text also uses mean and median item conformity rates per offence and for all offences together. A mean item conformity rate of 82% for homicide on police level means that on average 82% of all countries were able to follow a single rule of the homicide definition. Table 5 gives an overview over the results per offence definition and for all offence definitions together.

Altogether, there are 268 individual items on all include/exclude lists of all definitions: 134 for police and 134 for convictions statistics. The median item conformity rate is 91%, the mean 87% with a standard deviation of 12 percentage points. Of the 268 items 51 (19%) reached full conformity, i.e.: all countries providing data were able to follow these rules.

If looking at the results on an offence-by-offence basis, the highest mean conformity rate can be found for robbery (95%). Robbery also shows the lowest variation in results for the different items with a standard deviation of 3 percentage points. The rule to include muggings on convictions level (88% conformity) turned out to have the lowest conformity rate of all robbery items. High conformity rates with a mean of more than 90% can also be

<sup>&</sup>lt;sup>5</sup> The AGIS project did not revise definitions for theft offences.



Table 5 Conformity with definition sub-categories (include/exclude rules) on police and convictions level

Offence definition	Median	Mean	Stdev	Minimu	ım		Maximu	n	
				%	Sub-category	n	%	Sub-category	n
All offence definitions	90.6%	87.4%	11.8%	45.8%	convictions - theft of motorboats	1	100.0%	various	51
Criminal offences total	89.9%	87.0%	10.2%	68.6%	police - minor assault and other minor violent offences	1	100.0%	convictions - all other criminal offences subject to criminal proceedings	1
Intentional homicide	82.1%	82.4%	9.8%	63.6%	convictions - assault leading to death	1	97.1%	convictions - attempts	1
Assault	88.2%	85.0%	13.2%	64.7%	police - slapping or punching	1	100.0%	various	4
Aggravated assault	93.8%	90.1%	11.4%	62.5%	convictions - assault leading to death	1	100.0%	various	3
Rape	89.9%	89.4%	6.5%	74.3%	police - sexual intercourse without force with a helpless person	1	100.0%	convictions - attempts	1
Sexual assault	84.2%	84.2%	10.0%	66.7%	various	2	100.0%	convictions - any sexually motivated physical contacts committed with violence	1
Sexual abuse of minors	92.6%	90.0%	11.7%	57.6%	convictions - acts committed by a person below the age of consent	1	100.0%	various	5
Robbery	94.3%	95.1%	3.3%	87.5%	convictions - muggings (bag-snatchings)	1	100.0%	various	2
Theft total	94.2%	93.1%	6.7%	77.8%	police - minor (e.g. small value) theft	1	100.0%	various	4
Theft of motor vehicles	86.0%	80.5%	18.4%	45.8%	convictions - theft of motorboats	1	96.0%	convictions - receiv- ing/handling a stolen vehicle.	1
Burglary	71.1%	77.0%	16.6%	54.2%	convictions - theft from a car	1	100.0%	various	3
Domestic burglary	84.9%	86.4%	7.9%	75.8%	police - theft from a detached garage. shed. barn or stable	1	97.1%	various	2
Fraud	85.3%	81.0%	13.6%	57.6%	convictions - tax and customs offences	1	100.0%	convictions - subsidy fraud	1
Computer offences	100.0%	92.2%	10.8%	70.0%	police - illegal downloading of data or programs.	1	100.0%	various	9
Money laundering	89.7%	90.0%	4.7%	83.9%	police - receiving/ handling stolen property	1	96.9%	police - receiving and handling illegally obtained (but not stolen) non-monetary property	1
Corruption	89.8%	89.4%	8.1%	75.0%	convictions - extortion by public officials	1	100.0%	various	3
Drug offences total	100.0%	93.5%	11.5%	66.7%	convictions - consumption	1	100.0%	various	14

found for drug offences total (94%), theft total (93%) and computer offences (92%). For drug offences and computer offences, the median of conformity rates is even 100%, i.e. the majority of rules were followed by all countries. This is due to the fact that the extent of



criminalization of drug offences is, as said before, predefined by international conventions<sup>6</sup> and many computer offences have been subject to EU-harmonized definition.<sup>7</sup> The lowest conformity rate within the definition of drug offences can be found for the rule to include consumption on convictions level (67%). This is due to the fact that the extent to which drug offences connected with personal use are criminalized varies significantly as international conventions leave room for legislative discretion on this issue (Malby 2010b). For computer offences, the lowest conformity rate can be found for the rule to exclude illegal downloading on police level (70%).

The offences of burglary and theft of motor vehicles clearly showed the lowest item conformity rates: The mean item conformity for burglary is 77% with the rule to exclude theft from a car from data on convictions level reaching the lowest conformity (54%). For theft of motor vehicles, mean item conformity is 81% with the lowest conformity for the rule to exclude theft of motorboats on convictions level (46%). This is also the lowest conformity rate of all items. Such low conformity rates on convictions level show that for many countries that have a separate legal provision on burglary or motor vehicle theft, respectively, the rule used in the ESB is contradicting the law.

In order to assess how problematic nonconformity with a certain rule is for the comparability of data, it has also got to be taken into account how important that rule is with respect to the expected total of offences of the respective category. For motor vehicle theft, such an assessment would lead to the assumption that failing the rule to exclude theft of motorboats would usually not have a high impact on data comparability, since clearly most of the stolen vehicles will be cars, anyway. Failing to include consumption in the data for drug offence will, on the other hand, have a greater impact on data comparability, at least if its functional equivalent, the possession of small quantities, is also excluded.

Mean item conformity rates below 85% can also be found for fraud (81%), intentional homicide (82%) and sexual assault (84%). The most problematic rules for these offences were the rule to exclude tax and customs offences from fraud data on convictions level with only 58% conformity and to include assault leading to death in intentional homicide data on convictions level (64% conformity). For sexual assault, the lowest conformity rates were found for two separate items, both on police level: These are the rules to exclude acts committed without violence and acts committed against persons under the age of consent (both 67% conformity). These are both very important rules, the first to exclude less intense sexual acts like sexual harassment and the second to allow a clear distinction from sexual abuse of minors.

The low conformity rates for these two, important rules make comparability of results on sexual assault dubious, since they affect the "core" of the offence: Sexual assault in the ESB is defined as a violent sexual offence, close to rape, but without penetration. Sexual abuse of minors is a separate, third category of sexual offences in the ESB. Less intense sexual offences are not collected at all. The results show now that many countries are not able to follow such a restrictive definition with respect to sexual assault, but report data on a broader concept instead.

<sup>&</sup>lt;sup>7</sup> See Council Framework Decision 2005/222/JHA of 24 February 2005 on attacks against information systems.



<sup>&</sup>lt;sup>6</sup> See Single Convention on Narcotic Drugs, 1961, as amended by the 1972 protocol, Convention on Psychotropic Substances, 1971, and Convention against Illicit Traffic in Narcotic Drugs and Psychotropic Substances, 1988

# Variation of Data Reported

A final quality check that shall be carried out on the ESB definitions involves a look at the data reported for the different offence categories and subcategories. In this section, all offence categories and subcategories that were collected throughout the questionnaire are included, not only those that have a separate standard definition. But the six subcategories that were only collected on police level (see Table 1) were excluded here, too.

These six sub-groups all refer to two revisions in offence definitions, one regarding the total of criminal offences and the other bodily injury (assault): The new definition for offences total demanded to include property and violent offences, even if subject to proceedings outside the criminal justice system. It was then felt that this rule should be backed up by separate sub-categories on these types of minor offences on police level (as two sub-categories of offences total and one sub-category of both bodily injury and theft), as far as subject to proceedings outside the criminal justice system, in order to know where the new definition broke the trend. For similar reasons, the rules to include domestic violence and injury of a public servant in bodily injury were backed up by sub-categories.

All in all, these sub-categories turned out to be very problematic and mainly showed very low data availability rates (see Aebi et al. 2010: 38, 45). Most of them will probably not be covered in future ESB editions and shall also not be covered here. But let us take a look at the remaining 21 offence categories and subcategories:

A definition that is clear, understandable and easy to follow should also lead to a higher conformity of data reported. However, due to differences in reporting rates, police and criminal justice efficiency, legal systems etc., the data reported cannot directly be compared between countries, even if one calculates figures per 100,000 population. The "natural" variation is remarkably high. To give an example: For the total of criminal offences recorded on police level in 2006, Albania shows the lowest rate of about 300 cases per 100,000 population, while in Sweden the rate is about 13,500 (Aebi et al. 2010: 37).

But one might hypothesize that there are certain rules that in principle govern the relation of criminal offences to each other in every system. For example, grave offences leading to dire consequences will be less common than offences leading to medium damages, which will again be less common than petty offences. Therefore, homicide rates will be much lower than, for example, theft rates, and rates for rape or robbery will be in between. Apart from that, there are certain offences which are more common than others, because they can be easily committed by everyone, while others need a more specialized offender in a special situation. Therefore, theft or major traffic offences will be much more common than, for example, corruption or money laundering. Of course, these relations are not identical in every system, e.g. due to differing approaches in the reaction to petty offences, like the extent of decriminalization and diversion. But these differences will more or less be evened out if looking at a larger group of countries.

This leads to the assumption that the variation of country results for the different offence rates follows certain rules: The relation between the mean and the standard deviation of offence rates per 100000 population for police-recorded crimes can be approximated by a proportional function:

$$y_i{\approx}m^*x_i$$

with  $y_i$  being the standard deviation found for offence type i,  $x_i$  being the mean found for offence type i and m being the variation coefficient. The variation coefficient is therefore assumed to be approximately constant across offence types, but it will surely depend on the



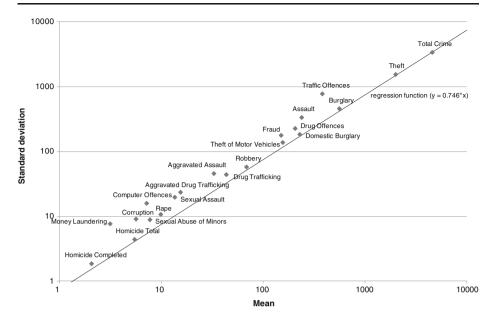


Fig. 5 Standard deviation per mean by offence categories for police-recorded crimes (log scales) (See Table 6 for the exact values.)

countries covered and can also be subject to change from year to year. The same assumption can be made for police-recorded suspects and for convictions.

Figure 5 shows this relation for police-recorded crimes. The scatterplot almost resembles a line and therefore confirms the assumption. The scatterplots for police-recorded suspects and for convictions, which are not reproduced here, look the same. Correlation coefficients are 0.990 for police-recorded crimes, 0.955 for police-recorded suspects and 0.928 for convictions. All correlations are therefore very strong and also highly significant, based on a t-test. Therefore, it is safe to assume that this relation is not simply due to the trivial fact that of course there will always be a tendency towards a higher standard deviation for higher means. The correlations also remain strong if one removes the offence categories clearly interrelated with other categories, like criminal offences total and offence subgroups.

A regression has been calculated for all three distributions, using the ordinary least squares method. The (based on an f-test) highly significant regression coefficients are 0.746 for police-recorded crimes, 0.946 for police-recorded suspects and 1.320 for convictions.

All variation coefficients of the different offence types found for police-recorded offences and suspects and for convictions are very high, as can be seen in (Fig. 6 and Table 6). They are clearly above 50% and therefore the mean does – as expected – not represent the individual country results. The median variation coefficients for these relations are very similar, being 109% for police recorded crime, 110% for police-recorded suspects and 107% for convictions.

<sup>&</sup>lt;sup>9</sup> Far below 0.001, almost 0.



Far below 0.001, almost 0.

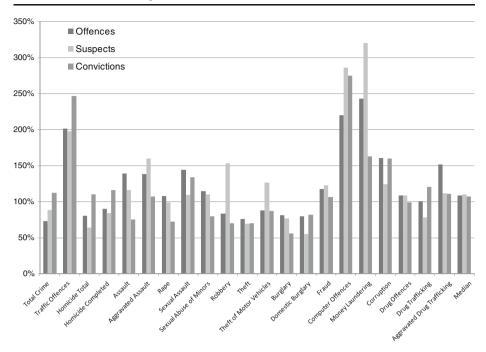


Fig. 6 Variation coefficients by offence categories for police-recorded crime, for police-recorded suspects and for convictions (See Table 6 for the exact values.)

A variation coefficient much higher than those usually found shows that a certain offence variable varies much more strongly across Europe than expected. This might be a sign for a problematic, equivocal definition. Or the high variation might be understood to reflect larger than usual differences in the legal provisions or the practical importance of the respective offence across Europe. Therefore, an offence with an unusually high variation coefficient is not necessarily defined in a problematic way, but it might be.

As can be seen in Fig. 6 and Table 6, there are three offence types which clearly show unusually high variation coefficients: major traffic offences, computer offences and money laundering. For major traffic offences, this will be due to the fact that the extent to which traffic offences are considered criminal varies significantly between countries. However, there will be a core of major traffic offences that are considered criminal everywhere in Europe. The ESB questionnaire aimed at collecting only these core criminal traffic offences, but the high variation still to be found in the data shows that the attempt was not very successful so far. Since the ESB questionnaire does not feature a standard definition on major traffic offences, the feasibility of introducing such a separate definition for the 5th edition questionnaire should be tested.

The high variation for computer offences is astonishing when taking into account that large parts of this area of crime have been subject to EU-harmonized definition. Though there might be bigger differences in the "reality" of computer crime than for other offences due to the dependency on computerization and hard- and software equipment, which will not yet be distributed evenly across Europe, the high variation might also be explained by

 $<sup>\</sup>overline{^{10}}$  See Council Framework Decision 2005/222/JHA of 24 February 2005 on attacks against information systems.



Table 6 Variation in recorded crime levels per 100,000 population by offence categories (Rates per 100,000 population may differ from rates presented in the printed version of the ESB, since they have been calculated by the author using updated population data retrieved on 17 March 2011. Source: crime data: raw data for Aebi et al. (2010); population data, unless stated otherwise: US Census Bureau, International Database, http://www.census.gov/ipc/www/idb/index.php (total mid-year population). Additional data used: Population figures of France metropolitaine for police data taken from Institut national de la statistique et des études économiques, www.insee.fr (data for January 1st interpolated to mid-year values); population figures of former Western Germany and Berlin for convictions data 2003 to 2006 taken from Statistisches Bundesamt, www.destatis.de (data for December 31st interpolated to mid-year values); population figures for England & Wales, Northern Ireland and Scotland taken from Office for National Statistics, http://www. statistics.gov.uk/STATBASE.)

	`														
Offence category	Police-rec	Police-recorded crimes	ıes			Police-rec	Police-recorded suspects	ects			Convictions	su			
	N valid	Mean	Standard deviation	Variation coefficient	N missing	N valid	Mean	Standard deviation	Variation coefficient	N missing	N valid	Mean	Standard deviation	Variation coefficient	N missing
Total crime	42	4579.5	3344.3	0.730	0	31	1577.2	1394.3	0.884	11	35	1029.3	1158.8	1.126	7
Traffic offences	23	381.7	769.1	2.015	19	18	416.2	823.8	1.979	24	27	443.0	1094.4	2.470	15
Homicide total	37	5.5	4.4	0.803	5	29	8.8	3.1	0.644	13	34	3.6	4.0	1.102	8
Homicide completed	37	2.1	1.9	0.900	5	18	2.1	1.7	0.839	24	17	1.6	1.9	1.161	25
Assault	35	239.6	333.0	1.390	7	27	159.3	184.8	1.160	15	27	6.09	46.0	0.755	15
Aggravated assault	23	33.0	45.6	1.383	19	17	31.5	50.4	1.602	25	25	11.1	11.9	1.073	17
Rape	41	6.6	10.7	1.079	1	32	5.3	5.3	0.991	10	30	2.0	1.5	0.722	12
Sexual assault	23	13.6	19.7	1.446	19	19	4.9	5.3	1.096	23	22	2.8	3.8	1.341	20
Sexual abuse of minors	28	7.8	6.8	1.143	14	21	4.6	5.0	1.101	21	25	2.0	1.6	0.800	17
Robbery	41	0.69	57.6	0.835	1	32	38.5	59.0	1.533	10	28	15.5	10.9	0.703	14
Theft	36	2004.0	1527.7	0.762	9	27	368.1	254.3	0.691	15	29	152.4	106.4	869.0	13
Theft of motor vehicles	39	156.2	137.2	878.0	3	27	22.8	28.8	1.264	15	6	8.7	7.6	698.0	33
Burglary	35	561.7	454.6	608.0	7	28	111.1	85.4	0.768	14	14	39.1	21.7	0.556	28
Domestic burglary	30	229.3	182.7	0.797	12	17	26.7	14.8	0.553	25	9	10.4	8.5	0.820	36
Fraud	35	150.6	176.7	1.173	7	27	72.1	88.5	1.227	15	28	27.9	29.7	1.064	14
Computer offences	26	7.2	15.9	2.198	16	19	1.5	4.4	2.859	23	19	6.0	2.4	2.752	23
Money laundering	27	3.2	7.7	2.431	15	21	2.7	9.8	3.198	21	15	0.3	0.5	1.627	27
Corruption	30	5.7	9.1	1.602	12	18	5.0	6.3	1.243	24	25	1.9	3.0	1.598	17
Drug offences	39	206.8	225.4	1.090	3	33	141.0	153.3	1.087	6	30	69.3	68.5	0.988	12
Drug trafficking	37	43.7	44.0	1.007	5	27	36.1	28.3	0.783	15	22	17.4	21.0	1.204	20
Aggravated drug trafficking	12	15.5	23.5	1.517	30	10	8.9	6.6	1.114	32	6	5.8	6.5	1.110	33



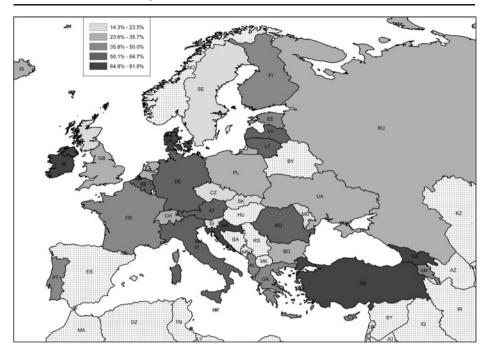


Fig. 7 Rate of definitions followed in all respects on police level per country

the fact that "computer offences" is a general term, increasing the possibility that different correspondents understand the extent of that category very differently. Therefore, it might be useful to change to a more focused standard definition.

The variation coefficients for money laundering are also striking. It is noticeable that the high variation is mainly restricted to the police level, especially to the number of suspects, with a much lower, though still above average, variation for the convictions. Money laundering might therefore in some countries be used as some kind of proxy offence for investigations, since it on the one hand provides a vague and wide definition of criminalized behaviour and on the other hand (due to its theoretical connection with organized crime) usually provides the police and prosecution service with special investigative powers, like telephone tapping etc., which will not be available for every offence type. The money laundering charge might then afterwards be replaced by a charge for a (usually more severe) offence that is connected to the money laundering activity, explaining why variation on convictions level is much lower.

# Individual Country Results

Finally, let us take a look at the individual country results. Figure 7 shows the distribution of the overall conformity rate on police level across Europe. <sup>11</sup> For this section, the overall conformity rate has been calculated in a slightly different way: Now, all offences for which a country was unable to provide data were excluded before calculating the rate. The rate in this section is therefore only calculated taking into account offences for which data were provided. Apart from this, the overall conformity rate is defined as above, 4.1 (see there for a detailed explanation).



<sup>&</sup>lt;sup>11</sup> The rates have been calculated based on the data presented in Table 3.

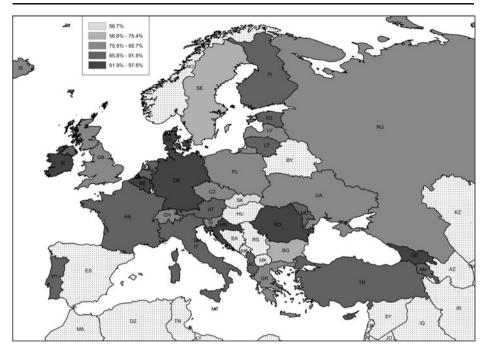


Fig. 8 Rate of definition sub-categories (include/exclude rules) followed on police level per country

Overall conformity rates vary significantly across Europe, with rates between 14% and 82%. Countries showing high overall conformity rates can be found everywhere across Europe, with the highest rates to be found for the Republic of Ireland, Northern Ireland, Denmark, Croatia, Turkey and Georgia. But the lowest rates are concentrated in Northern and Eastern Europe and the Eastern parts of Central Europe. Countries outside this area showing low overall conformity rates are England & Wales, Scotland, the Netherlands and Switzerland.

Figure 8 shows the item conformity for all crimes together per country on police level (see also Table 7 with the exact individual country results). For an explanation of this ratio, cf. section 4.3. As could be expected, item conformity rates are higher than overall conformity rates. With the exception of an outlier (Slovakia with an item conformity rate of 57%), item conformity rates range from 72% to 98%. Countries with lower item conformity rates can once again mainly be found in Northern and Eastern Europe and the Eastern parts of Central Europe plus England & Wales and Scotland. The distribution therefore resembles the one that was found for overall conformity.

If looking at the distribution of overall conformity and item conformity on *convictions* level, the geographical distribution is once again nearly the same (cf. Tables 4 and 7). One might theorize that offence definitions in the ESB are until so far mainly influenced by continental Western, Southern and Western Central European criminal law, leading to lower conformity rates in the other countries. This is a striking result that should be further investigated and, if the suspicion can be confirmed, should lead to an attempt to find more universal definitions.

However, it has to be kept in mind that it is always necessary to make a compromise. Therefore, regardless of how offence definitions are set, it is not likely to reach 100%



Table 7 Include and exclude rules followed on police and convictions level

Country	Police level				Convictions level			
	Rules followed	Rules not followed	Rate followed	Missing		Rules not followed	Rate followed	Missing
Albania	121	12	91.0%	1	115	17	87.1%	2
Armenia	107	12	89.9%	15	107	12	89.9%	15
Austria	123	11	91.8%	0	123	11	91.8%	0
Belgium	109	7	94.0%	18	110	4	96.5%	20
Bulgaria	101	33	75.4%	0	100	34	74.6%	0
Croatia	130	4	97.0%	0	123	5	96.1%	6
Cyprus	119	14	89.5%	1	120	14	89.6%	0
Czech Republic	103	26	79.8%	5	101	28	78.3%	5
Denmark	122	8	93.8%	4	121	9	93.1%	4
Estonia	107	15	87.7%	12	102	13	88.7%	19
Finland	122	12	91.0%	0	120	14	89.6%	0
France	85	12	87.6%	37	88	9	90.7%	37
Georgia	131	3	97.8%	0	128	3	97.7%	3
Germany	126	8	94.0%	0	120	10	92.3%	4
Greece	84	16	84.0%	34	97	9	91.5%	28
Hungary	102	1	a	31	45	1	<sup>b</sup>	88
Iceland	114	20	85.1%	0	114	20	85.1%	0
Ireland	126	8	94.0%	0	126	8	94.0%	0
Italy	86	10	89.6%	38	95	12	88.8%	27
Latvia	108	18	85.7%	8	108	18	85.7%	8
Lithuania	123	11	91.8%	0	123	11	91.8%	0
Moldova	73	10	88.0%	51	0	0	с	134
Netherlands	119	15	88.8%	0	111	13	89.5%	10
Poland	103	19	84.4%	12	95	17	84.8%	22
Portugal	118	16	88.1%	0	100	15	87.0%	19
Romania	125	9	93.3%	0	125	9	93.3%	0
Russia	108	26	80.6%	0	108	26	80.6%	0
Slovakia	76	58	56.7%	0	0	0	d	134
Slovenia	109	25	81.3%	0	109	25	81.3%	0
Sweden	96	38	71.6%	0	100	34	74.6%	0
Switzerland	93	18	83.8%	23	105	10	91.3%	19
Turkey	106	11	90.6%	17	96	8	92.3%	30
Ukraine	110	24	82.1%	0	110	24	82.1%	0
UK: England & Wales	112	21	84.2%	1	111	22	83.5%	1
UK: Northern Ireland	99	12	89.2%	23	102	9	91.9%	23
UK: Scotland	88	16	84.6%	30	100	15	87.0%	19

<sup>&</sup>lt;sup>a</sup> No rate calculated due to a systematic error in filling in the definitions section of the questionnaire for this country.



<sup>&</sup>lt;sup>b</sup> No rate calculated due to a systematic error in filling in the definitions section of the questionnaire for this country.

<sup>&</sup>lt;sup>c</sup> Data on convictions definitions were not provided by correspondent.

<sup>&</sup>lt;sup>d</sup> Data on convictions definitions were not provided by correspondent.

conformity. But this is not a problem in itself. The ESB definition system not only has the function to optimize conformity and thus comparability, it also has the function to make the remaining differences clearly visible and thus clarify the limits of comparability.

#### **Conclusions**

Altogether, definitions in the ESB seem to be well-defined and thus show high conformity levels throughout Europe. This is true for both overall and item conformity, and equally applies to the police and convictions levels. The definitions that work best according to all checks executed here are robbery, theft total and drug offences total.

There are, however, some definitions and items that pose bigger problems. This is especially true for sexual assault, which showed problematic results in three areas: The offence turned out to have low overall and item conformity rates, with item conformity being lowest for crucial exclude rules which make differentiation from sexual harassment and sexual abuse of minors problematic. Apart from that data availability on police level was also quite low.

The only other offence showing clear problems in three areas was burglary, showing low item conformity rates and also low data availability both on police and, much more pronounced, on convictions level. The other subgroups of theft performed slightly better, but still showed serious problems: Motor vehicle theft showed problems with respect to item conformity<sup>12</sup> and especially to data availability on convictions level. For domestic burglary, finally, the lowest data availability on convictions level was found with less than 20% of countries being able to report any data.

A low overall and item conformity was also found for fraud, while assault mainly showed a low overall conformity, though the item conformity for the rule to exclude slapping or punching was also quite low (65%). For homicide, only the mean item conformity was quite low, mainly due to a comparatively low conformity with the rule to include assault leading to death; but the differences found do not have a large impact on the comparability of this offence. Another offence with a low *overall* conformity rate was corruption. This offence also had quite low data availability rates on police level.

Apart from the crimes already mentioned, data availability was also a problem for computer offences and money laundering. Both offences also showed a remarkably high variation on all levels, with most variation coefficients clearly above 200%, even reaching 320% for police-recorded suspects of money laundering. Very high variation coefficients were also found for traffic offences, an offence group which had not yet been subject to separate definition in the ESB. On the other hand, low data availability was also found for aggravated drug trafficking.

All of these results show problems connected with the respective offences and their definition. This does, however, not necessarily mean that there exists a better definition than the one already in use. But it should be tried out for future editions whether improvements are still possible in the areas identified. Legal and statistical systems across Europe are, however, too diverse as to expect full conformity and full data availability for all offence types.

<sup>&</sup>lt;sup>12</sup> Apart from that, cross-checking with CTS data showed that the include list for this definition is missing important items (see above).



Another important issue that was found out refers to the geographical distribution of conformity rates. It turned out that countries showing the lowest conformity rate were usually located in Northern, Eastern or Eastern Central Europe, plus most parts of the UK. The reasons for this striking result should be thoroughly scrutinized. The potential to revise definitions in order to reach higher conformity rates in these parts of Europe, too, should be tested for future editions.

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