



1 Is the Human Rights Framework Still Fit 2 for the Big Data Era? A Discussion of the 3 ECtHR's Case Law on Privacy Violations 4 Arising from Surveillance Activities

5 **Bart van der Sloot**

6 **Abstract** Human rights protect humans. This seemingly uncontroversial axiom
7 might become quintessential over time, especially with regard to the right to pri-
8 vacy. Article 8 of the European Convention on Human Rights grants natural per-
9 sons a right to complain, in order to protect their individual interests, such as those
10 related to personal freedom, human dignity and individual autonomy. With Big
11 Data processes, however, individuals are mostly unaware that their personal data
12 are gathered and processed and even if they are, they are often unable to substanti-
13 ate their specific individual interest in these large data gathering systems. When
14 the European Court of Human Rights assesses these types of cases, mostly revolv-
15 ing around (mass) surveillance activities, it finds itself stuck between the human
16 rights framework on the one hand and the desire to evaluate surveillance practices
17 by states on the other. Interestingly, the Court chooses to deal with these cases
18 under Article 8 ECHR, but in order to do so, it is forced to go beyond the funda-
19 mental pillars of the human rights framework.

20 **Keywords** Human rights • Big data • Mass surveillance • Individual harm •
21 Societal interest • Conventionality

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22 1 Introduction

23 Human rights are designed to protect humans. Whether one accepts the philosoph-
24 ical idea that they are innate to man even in the state of nature,¹ the theological
25 belief that God has bestowed these rights uniquely onto man,² the Habermasian
26 theory of the internal correlation between human rights and democracy,³ or any
27 other theory, human rights have a unique position in legal discourse. They stand
28 apart from other doctrines and rights in that they are conceived as fundamental,
29 sometimes even non-derogable, and protect the most basic personal needs and
30 interest of every human being, regardless of legal status or background. This focus
31 on the individual is even stronger with regard to the right to privacy, Article 8, than
32 with many other human rights as protected under the European Convention on
33 Human Rights (ECHR). This focus on individual rights of natural persons and
34 their personal interests is quite understandable, as privacy is the most ‘private’ and
35 ‘personal’ of all human rights. It should also be recognized that this focus has
36 worked very effectively for decades; it has allowed the European Court of Human
37 Rights (ECtHR) to deal not only with the more traditional privacy violations, such
38 as house searches, wiretapping and body cavity searches, but also with the right to
39 develop one’s sexual,⁴ relational⁵ and minority identity,⁶ the right to protect one’s
40 reputation and honour,⁷ the right to personal development,⁸ the right of foreigners

¹Among others: Thomas Hobbes, *Leviathan* (Cambridge: Cambridge University Press, 1996 [1651]). Thomas Paine, *The rights of man: for the benefit of all mankind* (Philadelphia: Webster, 1797 [1791]).

²Even in Locke, one might find references to this view: John Locke, *Two treatises of government* (Cambridge: Cambridge University Press, 1988 [1689]).

³Jurgen Habermas, ‘On the Internal Relation between the Rule of Law and Democracy’, *European Journal of Philosophy* 3 (1995).

⁴ECtHR, I.G. v. Slovakia, appl. no. 15966/04, 13 November 2012. ECtHR, V.C. v. Slovakia, appl. no. 18968/07, 08 November 2011. ECtHR, Evans v. the United Kingdom, appl. no. 6339/05, 10 April 2007. ECtHR, Dickson v. the United Kingdom, appl. no. 44362/04, 04 December 2007.

⁵ECtHR, Phinikaridou v. Cyprus, appl. no. 23890/02, 20 December 2007. ECtHR, Mikulic v. Croatia, appl. no. 53176/99, 07 February 2002. ECtHR, Gaskin v. the United Kingdom, appl. no. 10454/83, 07 July 1989.

⁶ECmHR, Lay v. the United Kingdom, appl. no. 13341/87, 14 July 1988. ECmHR, Smith v. the United Kingdom, appl. no. 14455/88, 04 September 1991. ECmHR, Smith v. the United Kingdom, appl. no. 18401/91, 06 May 1993. ECmHR, G. and E. v. Norway, appl. no. 9278/81, 03 October 1983. ECtHR, Chapman v. the United Kingdom, appl. no. 27238/95, 18 January 2001. ECtHR, Aksu v. Turkey, appl. nos. 4149/04 and 41029/04, 27 July 2010.

⁷ECtHR, Pfeifer v. Austria, appl. no. 12556/03, 15 November 2007. ECtHR, Rothe v. Austria, appl. no. 6490/07, 04 December 2012. ECtHR, A. v. Norway, appl. no. 28070/06, 09 April 2009.

⁸ECmHR, X. v. Iceland, appl. no. 6825/74, 18 May 1976. ECtHR, Frette v. France, appl. no. 36515/97, 26 February 2002. ECtHR, Varapnickaite-Mazyliene v. Lithuania, appl. no. 20376/05, 17 January 2012. See further: ECtHR, Biriuk v. Lithuania, appl. no. 23373/03, 25 November 2008. ECtHR, Niene v. Lithuania, appl. no. 36919/02, 25 November 2008. ECtHR, Goodwin v. the United Kingdom, appl. no. 28957/95, 11 July 2002. ECtHR, B. v. France, appl. no. 13343/87, 25 March 1992.



41 to a legalized stay,⁹ the right to property and even work,¹⁰ the right to environmen-
42 tal protection¹¹ and the right to have a fair and equal chance in custody cases.¹²
43 Although some say that the broadened scope of the ECHR in general and the right
44 to privacy in particular has gone too far,¹³ one thing is clear: the current privacy
45 paradigm under the European Convention on Human Rights works very well when
46 it is applied to cases that revolve around individual rights and individual interests
47 of natural persons.

48 However, the current developments known as Big Data might challenge this
49 approach.¹⁴ Big Data, for the purpose of this study, is defined as gathering massive
50 amounts of data without a pre-established goal or purpose, about an undefined
51 number of people, which are processed on a group or aggregated level through the
52 use of statistical correlations.¹⁵ The essence of these types of cases is thus that the
53 individual element is lost, although data may originally be linked to individuals
54 and the results of Big Data processes may be applied to individuals or groups of

⁹ECtHR, *Moustaquim v. Belgium*, appl. no.12313/86, 18 February 1991. ECtHR, *Cruzvaras and others v. Sweden*, appl. no. 15576/89, 20 March 1991. ECtHR, *Sen v. the Netherlands*, appl. no. 31465/96, 21 December 2001. ECtHR, *Slivenko v. Latvia*, appl. no. 48321/99, 09 October 2003. ECtHR, *Sisojeva and others v. Latvia*, appl. no. 60654/00, 15 January 2007. ECtHR, *Nasri v. France*, appl. no. 19465/92, 13 July 1995.

¹⁰ECtHR, *Karner v. Austria*, appl. no. 40016/98, 24 July 2003. ECtHR, *Sidabras and Dziutas v. Lithuania*, appl. nos. 55480/00 and 59330/00, 27 July 2004. ECtHR, *Coorplan-Jenni GMBH and Hascic v. Austria*, appl. no. 10523/02, 24 February 2005. ECtHR, *Ozpinar v. Turkey*, appl. no. 20999/04, 19 October 2010.

¹¹ECtHR, *Moreno Gomez v. Spain*, appl. no. 4143/02, 16 November 2004. ECtHR, *Villa v. Italy*, appl. no. 36735/97, 14 November 2000. ECtHR, *Kyrtatos v. Greece*, appl. no. 41666/98, 22 May 2003. ECtHR, *Morcuende v. Spain*, appl. no. 75287/01, 06 September 2005. ECtHR, *López Ostra v. Spain*, appl. no. 16798/90, 09 December 1994. ECtHR, *Ledyayeva, Dobrokhotova, Zolotareva and Romashina v. Russia*, appl. nos. 53157/99, 53247/99, 56850/00 and 53695/00, 26 October 2006.

¹²ECtHR, *B. v. the United Kingdom*, appl. no. 9840/82, 8 July 1987. See similarly: ECtHR, *R. v. the United Kingdom*, appl. no. 10496/83, 8 July 1987. ECtHR, *W. v. the United Kingdom*, appl. no. 9749/82, 8 July 1987. ECtHR, *Diamante and Pelliccioni v. San Marino*, appl. no. 32250/08, 27 September 2011.

¹³Janneke Gerards, “The prism of fundamental rights”, *European Constitutional Law Review*, 8 (2012): 2.

¹⁴See further: Antonella Galetta & Paul De Hert, ‘Complementing the Surveillance Law Principles of the ECtHR with its Environmental Law Principles: An Integrated Technology Approach to a Human Rights Framework for Surveillance’, *Utrecht Law Review*, 10-1, 2014. Thérèse Murphy & Gearóid Ó Cuinn, ‘Work in progress. New technologies and the European Court of Human Rights’, *Human Rights Law Review*, 2010.

¹⁵See further: Viktor Mayer-Schönberger and Kenneth Cukier, *Big data: a revolution that will transform how we live, work, and think* (Boston: Houghton Mifflin Harcourt, 2013). Terence Craig and Mary E. Ludloff, *Privacy and Big Data: The Players, Regulators, and Stakeholders* (Sebastopol: O’Reilly Media, 2011). Kate Crawford and Jason Schultz, “Big Data and Due Process: Toward a Framework to Redress Predictive Privacy Harms”, *Boston College Law Review* 55 (2014): 93.



55 individuals. Data are not gathered about a specific person or group (for example
56 those suspected of having committed a particular crime), rather, they are gathered
57 about an undefined number of people during an undefined period of time without a
58 pre-established reason. The potential value of the gathered data becomes clear
59 only after they are subjected to analysis by computer algorithms, not on before-
60 hand.¹⁶ These data, even if they are originally linked to specific persons, are subse-
61 quently processed by finding statistical correlations. It may appear, for example,
62 that the data string—Muslim + vacation to Yemen + visit to website X—leads to
63 an increased risk of a person being a terrorist.¹⁷ The data are not based on personal
64 data of specific individuals, but processed on an aggregated level and the profiles
65 are formulated on a group level.¹⁸

66 Given this constellation of facts, it becomes more and more difficult for an indi-
67 vidual to point out his specific personal interest and personal harm (defined by
68 Feinberg as a setback to interests) in Big Data processes.¹⁹ It should be acknowl-
69 edged that in the field of privacy, the notion of harm has always been problematic
70 as it is often difficult to substantiate the harm a particular violation has done, e.g.
71 what harm follows from entering a home or eavesdropping on a telephone conver-
72 sation as such when neither objects are stolen nor private information disclosed to
73 third parties? Even so, the more traditional privacy violations (house searches, tel-
74 ephone taps, etc.) are clearly demarcated in time, place and person and the effects
75 are therefore relatively easy to define. In the current technological environment,
76 however, the individual is often simply unaware that his personal data are gathered
77 by either his fellow citizens (e.g. through the use of their smartphones), by compa-
78 nies (e.g. by tracking cookies) or by governments (e.g. through covert surveil-
79 lance). Obviously, people unaware of the fact that their data are gathered will not
80 invoke their right to privacy in court.

81 But even if a person would be aware of these data collections, given the fact
82 that data gathering and processing is currently so widespread and omnipresent,

¹⁶See further: Rob Kitchin, *The Data Revolution: Big Data, Data infrastructures & their consequences* (Los Angeles: Sage, 2014). Andrew McAfee and Eerik Brynjolfsson, “Big Data: The management Revolution: Exploiting vast new flows of information can radically improve your company’s performance. But first you’ll have to change your decision making culture”, *Harvard Business Review* October 2012. Mark Andrejevic, “The Big Data Divide”, *International Journal of Communication* 8 (2014).

¹⁷See for literature on profiling: Toon Calders & Sicco Verwer, “Three Naive Bayes Approaches for Discrimination-Free Classification”, *Data Mining and Knowledge Discovery* 21(2), (2010). Bart H. M. Custers, *The Power of Knowledge; Ethical, Legal, and Technological Aspects of Data Mining and Group Profiling in Epidemiology* (Tilburg: Wolf Legal Publishers, 2004). Mireille Hildebrandt & Serge Gutwirth (eds.), *Profiling the European Citizen Cross-Disciplinary Perspectives* (New York: Springer, 2008). Daniel T. Larose, *Data mining methods and models* (New Jersey: John Wiley & Sons, 2006). Tal Z. Zarsky, “Mine your own business!: making the case for the implications of the data mining of personal information in the forum of public opinion”, *Yale Journal of Law & Technology* (5), 2003.

¹⁸See further: Chris J. Hoofnagle, “How the Fair Credit Reporting Act Regulates Big Data”, <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2432955>.

¹⁹Joel Feinberg, *Harm to others* (New York: Oxford University Press, 1984).



83 and will become even more so in the future, it will quite likely be impossible for
84 him to keep track of every data processing which includes (or might include) his
85 data, to assess whether the data controller abides by the legal standards applicable,
86 and if not, to file a legal complaint. And if an individual does go to court to defend
87 his rights, he has to demonstrate a personal interest, i.e. personal harm, which is
88 a particularly problematic notion in Big Data processes, e.g. what concrete harm
89 has the data gathering by the NSA done to an ordinary American or European citi-
90 zen? This also shows the fundamental tension between the traditional legal and
91 philosophical discourse and the new technological reality—while the traditional
92 discourse is focused on individual rights and individual interests, data processing
93 often affects a structural and societal interest.

94 This chapter will discuss how the Court deals with privacy violations by the
95 state through the use of (mass) surveillance under Article 8 ECHR. These are, so
96 far, the only cases under the ECHR that concern mass data gathering, storage and
97 processing (it should be remembered that the Convention can only be invoked
98 against states and not against companies). Section 2 will briefly outline the
99 dominant approach of the Court when it deals with cases under Article 8 ECHR.
100 Sections 3–5 will point out that the Court is willing to relax its focus on individ-
101 ual rights and interests when cases regard surveillance activities. It does so in three
102 distinct ways. Section 3 will present the cases in which the Court focusses not on
103 actual and concrete harm, but on hypothetical harm through the use of the notion
104 of ‘reasonable likelihood’. Section 4 describes under which circumstances the
105 Court is willing to accept a ‘chilling effect’, or future harm, as basis for a claim.
106 Section 5 discusses the Court’s third and final approach to these cases, which is
107 also the most controversial one. Sometimes, it is willing to accept *in abstracto*
108 claims, complaints about the legality and legitimacy of laws or policies as such.

109 Finally, Sect. 6, containing the analysis, will discuss what this last approach
110 implies for the significance of human rights in the age of Big Data. Given the
111 fact that the notions of individual harm and personal interest are so difficult to
112 uphold in Big Data practices, the abstract assessments of Big Data practices may
113 have a high potential, as the specific characteristic of *in abstracto* claims is that
114 the complainant is not required to show any personal interest. Rather, the com-
115 plaint regards a general or societal interest and addresses a law or policy as such.
116 However, if it is true that human rights protect humans and their most essential
117 needs and interests, the question is how this type of complaints can be reconciled
118 with the basic pillars of the human rights framework. The more fundamental ques-
119 tion is perhaps: can the problems following from mass surveillance activities and
120 Big Data practices by states be qualified as human rights violations or do they
121 rather regard general principles of good governance and due process? And, is it
122 proper to assess the mere legality and legitimacy of governmental policies, with-
123 out any human right being at stake, under a human rights framework? The main
124 conclusion of this chapter is that it is impossible to address certain problems fol-
125 lowing from Big Data processes in general and mass surveillance activities in par-
126 ticular under human rights frameworks.



127 2 The Right to Privacy (Article 8 ECHR)

128 The right to privacy under the European Convention on Human Rights, Article 8,
129 is focussed on the individual in many ways. To successfully submit an application,
130 a complainant must of course have exhausted all domestic remedies, the applica-
131 tion should be submitted within the set time frame and it must fall under the com-
132 petence of the Court. But more importantly, the applicant needs to demonstrate a
133 personal interest, i.e. individual harm following from the violation complained of.
134 This is linked to the notion of *ratione personae*, the question whether the claimant
135 has individually and substantially suffered from a privacy violation, and in part to
136 that of *ratione materiae*, the question whether the interest said to be interfered
137 falls under the protective scope of the right to privacy. This focus on individual
138 harm and individual interests brings with it that certain types of complaints are
139 declared inadmissible by the European Court of Human Rights, which means that
140 the cases will not be dealt with in substance.²⁰

141 So called *in abstracto* claims are in principle declared inadmissible. These are
142 claims that regard the mere existence of a law or a policy, without them having any
143 concrete or practical effect on the claimant. ‘Insofar as the applicant complains in
144 general of the legislative situation, the Commission recalls that it must confine
145 itself to an examination of the concrete case before it and may not review the
146 aforesaid law *in abstracto*. The Commission therefore may only examine the
147 applicant’s complaints insofar as the system of which he complains has been
148 applied against him.’²¹ *A priori* claims are rejected as well, as the Court will usu-
149 ally only receive complaints about injury which has already materialized.
150 *A-contrario*, claims about future damage will in principle not be considered. ‘It
151 can be observed from the terms “victim” and “violation” and from the philosophy
152 underlying the obligation to exhaust domestic remedies provided for in Article 26
153 that in the system for the protection of human rights conceived by the authors of
154 the Convention, the exercise of the right of individual petition cannot be used to
155 prevent a potential violation of the Convention: in theory, the organs designated by
156 Article 19 to ensure the observance of the engagements undertaken by the
157 Contracting Parties in the Convention cannot examine—or, if applicable, find—a
158 violation other than a *posteriori*, once that violation has occurred. Similarly, the
159 award of just satisfaction, i.e. compensation, under Article 50 of the Convention is
160 limited to cases in which the internal law allows only partial reparation to be
161 made, not for the violation itself, but for the consequences of the decision or meas-
162 ure in question which has been held to breach the obligations laid down in the
163 Convention.’²²

164 Hypothetical claims regard damage which might have materialized, but about
165 which the claimant is unsure. The Court usually rejects such claims because it is

²⁰<http://www.echr.coe.int/Documents/Admissibility_guide_ENG.pdf>.

²¹ECmHR, *Lawlor v. the United Kingdom*, application no. 12763/87, 14 July 1988.

²²ECmHR, *Taura and others v. France*, application no. 28204/95, 04 December 1995.



166 unwilling to provide a ruling on the basis of presumed facts. The applicant must be
167 able to substantiate his claim with concrete facts, not with beliefs and supposi-
168 tions. The ECtHR will also not receive an *actio popularis*, a case brought up by a
169 claimant or a group of claimants, not to protect their own interests, but to protect
170 those of others or society as a whole. These types of cases are better known as
171 class actions. ‘The Court reiterates in that connection that the Convention does not
172 allow an *actio popularis* but requires as a condition for exercise of the right of
173 individual petition that an applicant must be able to claim on arguable grounds that
174 he himself has been a direct or indirect victim of a violation of the Convention
175 resulting from an act or omission which can be attributed to a Contracting State.’²³

176 Furthermore, the Court has held that applications are rejected if the injury
177 claimed following from a specific privacy violation is not sufficiently serious, even
178 although it does fall under the scope of Article 8 ECHR. This can also be linked to
179 the more recent introduction of the so called *de minimis* rule in the Convention,
180 which provides that a claim will be declared inadmissible if ‘the applicant has not
181 suffered a significant disadvantage’.²⁴ With environmental issues, for example, it
182 has been ruled that if the level of noise is not sufficiently high, it will not be con-
183 sidered an infringement on a person’s private life or home.²⁵ Similarly, although
184 data protection partially falls under the scope of Article 8 ECHR, if only the name,
185 address and other ordinary data are recorded about an applicant, the case will be
186 declared inadmissible, because such ‘data retention is an acceptable and normal
187 practice in modern society. In these circumstances the Commission finds that this
188 aspect of the case does not disclose any appearance of an interference with the
189 applicants’ right to respect for private life ensured by Article 8 of the
190 Convention.’²⁶ Moreover, an interference might have existed which can be sub-
191 stantiated by the applicant and which was sufficiently serious to fall under the
192 scope of Article 8 ECHR. Still, if the national authorities have acknowledged their
193 wrongdoing and provided the victim with sufficient relief and/or retracted the law
194 or policy on which the violation was based, the person can no longer claim to be a
195 victim under the scope of the Convention.²⁷

196 Then there is the material scope of the right to privacy, Article 8 ECHR. In
197 principle, it only provides protection to a person’s private life, family life, corre-
198 spondence and home. However, the Court has been willing to give a broader inter-
199 pretation. As discussed in the introduction, it has held, inter alia, that the right to

²³ECtHR, *Asselbourg and 78 others and Greenpeace Association-Luxembourg v. Luxembourg*, application no. 29121/95, 29 June 1999.

²⁴Article 35 paragraph 3 (b) ECHR.

²⁵ECmHR, *Trouche v. France*, application no. 19867/92, 01 September 1993. ECmHR, *Glass v. the United Kingdom*, application no. 28485/95, 16 October 1996.

²⁶ECmHR, *Murray v. the United Kingdom*, application no. 14310/88, 10 December 1991.

²⁷Dean Spielmann, *Bringing a case to the European Court of Human Rights: a practical guide on admissibility criteria* (Oisterwijk: Wolf Legal Publishers, 2014). Theodora A. Christou & Juan Pablo Raymon, *European Court of Human Rights: remedies and execution of judgments* (London: BIICL, British Institute of International and Comparative Law cop. 2005).



200 privacy also protects the personal development of an individual, it includes protec-
201 tion from environmental pollution and may extend to data protection issues.²⁸
202 Still, what distinguishes the right to privacy from other rights under the
203 Convention, such as the freedom of expression, is that it only provides protection
204 to individual interests. While the freedom of expression is linked to personal
205 expression and development, it is also connected to societal interests, such as the
206 search for truth through the market place of ideas and the well-functioning of the
207 press, a precondition for a liberal democracy. By contrast, Article 8 ECHR, in the
208 dominant interpretation of the ECtHR, only protects individual interests, such as
209 autonomy, dignity and personal development (in literature, scholars increasingly
210 emphasize a public dimension of privacy). Cases that do not regard such matters
211 are rejected by the Court.²⁹

212 This focus on individual interests has also had an important effect on the types
213 of applicants that are able to submit a complaint about the right to privacy. The
214 Convention, in principle, allows natural persons, groups of persons and legal per-
215 sons to complain about an interference with their rights under the Convention.
216 Indeed, the Court has accepted that, under certain circumstances, churches may
217 invoke the freedom of religion (Article 9 ECHR), that press organisations may rely
218 on the freedom of expression (Article 10 ECHR) and that trade unions are admissi-
219 ble if they claim the freedom of assembly and association (Article 11 ECHR).
220 However, because Article 8 ECHR only protects individual interests, the Court has
221 said that in principle, only natural persons can invoke a right to privacy. For exam-
222 ple, when a church complained about a violation of its privacy by the police in rela-
223 tion to criminal proceedings, the Commission found that ‘[t]he extent to which a
224 non-governmental organization can invoke such a right must be determined in the
225 light of the specific nature of this right. It is true that under Article 9 of the
226 Convention a church is capable of possessing and exercising the right to freedom of
227 religion in its own capacity as a representative of its members and the entire func-
228 tioning of churches depends on respect for this right. However, unlike Article 9,
229 Article 8 of the Convention has more an individual than a collective character [].’³⁰
230 This led the Commission to declare the complaint inadmissible, a line which has
231 been confirmed in the subsequent case law of the Court and which it is willing to
232 leave only in exceptional cases.³¹ Groups of natural persons claiming a Convention

²⁸See among others: ECtHR, *Leander v. Sweden*, application no. 9248/81, 26 March 1987. ECtHR, *Amann v. Switzerland*, application no. 27798/95, 16 February 2000. ECtHR, *Rotaru v. Roemenia*, application no. 28341/95, 04 May 2000. See also: <http://www.echr.coe.int/Documents/FS_Data_ENG.pdf>.

²⁹See for one of the earliest examples of the broadening scope of Article 8 ECHR: ECmHR, *X. v. Iceland*, application no. 6825/74, 18 May 1976.

³⁰ECmHR, *Church of Scientology of Paris v. France*, application no. 19509/92, 09 January 1995.

³¹See among others: ECtHR, *Stes Colas Est and others v. France*, application no. 37971/97, 16 April 2002. See in more detail: Bart van der Sloot, “Do privacy and data protection rules apply to legal persons and should they? A proposal for a two-tiered system”, *Computer Law & Security Review* 31 (2015): 1.



233 right are also principally rejected by the Court and the possibility of inter-state
234 complaints (Article 33 ECHR) is seldom practiced.³² This leaves only the individ-
235 ual to submit a complaint about a breach of the right to privacy.

236 The problem is that this focus on natural persons and individual harm is dif-
237 ficult to uphold in cases that concern practices that do not revolve around spe-
238 cific individuals, but affect large groups in society or potentially everyone. Mass
239 (covert) surveillance is the example par excellence, but Big Data practices in gen-
240 eral pose a problem for the victim-requirement of the Court. Given the trend of
241 increasingly big data collection and aggregation systems, the relevance of these
242 types of cases is likely to increase. In these types of cases, the Court is often faced
243 with the choice between sticking to its strict interpretation of the victim-require-
244 ment and declaring the cases inadmissible or accepting that the cases fall under
245 its jurisdiction and leaving or stretching its focus on individual harm. The Court
246 typically chooses the latter option in three instances: (1) when there is a reason-
247 able chance that the applicant has been harmed, (2) when it is likely that the appli-
248 cant will be affected by the practice in the future and (3) when the mere existence
249 of a law or policy as such leads to a violation of Article 8 ECHR. These three
250 approaches will be briefly discussed in the following three sections.

251 3 Reasonable Likelihood (Hypothetical Harm)

252 Obviously, a discussion about the victim-requirement and surveillance activities
253 by the state has to start with *Klass and others v. Germany*,³³ which revolved
254 around the claim by the applicants that the contested German legislation permitted
255 surveillance measures without obliging the authorities in every case to notify the
256 persons concerned after the event. They also complained about the lack of remedy
257 before the courts against the ordering and execution of such measures. This led,
258 according to them, to a situation of potentially unchecked and uncontrolled sur-
259 veillance, as those affected by the measures were kept unaware and would, conse-
260 quently, not challenge them in a legal procedure. In essence, the case revolved
261 around hypothetical harm, as the applicants claimed that they could have been the
262 victims of surveillance activities employed by the German government, but they
263 were unsure as the governmental services remained silent on this point. The claim-
264 ants were judges and lawyers, professions which cannot function without respect
265 for secrecy of deliberations or of contacts with clients. Moreover, by virtue of their
266 profession, they are more likely to be affected by the measures than ordinary citi-
267 zens, at least so the applicants claimed. The government, to the contrary, pointed

³²See further: Bart van der Sloot, “Privacy in the Post-NSA Era: Time for a Fundamental Revision?”, *Journal of intellectual property, information technology and electronic commerce law*, 5 (2014a): 1.

³³ECtHR, *Klass and others v. Germany*, application no. 5029/71, 06 September 1978.



268 out that the applicants could not substantiate their claim that they were victims of
269 the contested surveillance activities and consequently, that they were bringing
270 forth an *in abstracto* claim.

271 The Commission, deciding on the admissibility of the case, referred to Article
272 25 ECHR, the current Article 34 ECHR, which specifies: 'The Court may receive
273 applications from any person, nongovernmental organisation or group of individu-
274 als claiming to be the victim of a violation by one of the High Contracting Parties
275 of the rights set forth in the Convention or the Protocols thereto. The High
276 Contracting Parties undertake not to hinder in any way the effective exercise of
277 this right.' It argued that under this provision 'only the victim of an alleged viola-
278 tion may bring an application. The applicants, however, state that they may be or
279 may have been subject to secret surveillance, for example, in course of legal repre-
280 sentation of clients who were themselves subject to surveillance, and that persons
281 having been the subject of secret surveillance are not always subsequently
282 informed of the measures taken against them. In view of this particularity of the
283 case the applicants have to be considered as victims for purposes of Art. 25.'³⁴

284 Before the Court, which dealt with the case in substance, the Delegates of the
285 Commission considered that the government was requiring a too rigid standard for
286 the notion of 'victim'. They submitted that, in order to be able to claim to be the
287 victim of an interference with the exercise of the right to privacy, 'it should suffice
288 that a person is in a situation where there is a reasonable risk of his being sub-
289 jected to secret surveillance.'³⁵ The Court took it even one step further and held
290 that 'an individual may, under certain conditions, claim to be the victim of a viola-
291 tion occasioned by the mere existence of secret measures or of legislation permit-
292 ting secret measures, without having to allege that such measures were in fact
293 applied to him.'³⁶ In this case, the Court thus accepted an *in abstracto* claim,
294 instead of a hypothetical claim, as the 'mere existence' of a law may lead to an
295 interference with Article 8 ECHR.³⁷ This contrasts with the test proposed by the
296 Delegates, namely whether there is a 'reasonable likelihood' that the applicants
297 were affected by the measures complained of. In the latter test, the requirement of
298 personal harm remains, though it is not made dependent on actual and concrete
299 proof, but on a reasonable suspicion; in the abstract test, the requirement of per-
300 sonal harm is abandoned, as the laws and policies are assessed as such.

³⁴ECmHR, *Klass and others v. Germany*, application no. 5029/71, 18 December 1974.

³⁵ECtHR, *Klass and others v. Germany*, application no. 5029/71, 06 September 1978, § 31.

³⁶ECtHR, *Klass and others v. Germany*, application no. 5029/71, 06 September 1978, § 34.

³⁷There is also a discussion about the question whether surveillance in itself entails enough injury to bring a case under the scope of Article 8 ECHR. See among others: ECmHR, *Herbecq and the Association Ligue Des Droits de L'Homme v. Belgium*, application nos. 32200/96 and 32201/96, 14 January 1998. ECtHR, *Perry v. the United Kingdom*, application no. 63737/00, 17 July 2003. There is also discussion about in how far redress should go to render claims inapplicable. ECtHR, *Rotaru v. Romania*, application no. 28341/95, 04 May 2000.



301 Both approaches have played an important role in the Court's subsequent case
302 law.³⁸ The abstract test was adopted in *Malone v. the UK*³⁹ and in *P.G. and J.H. v.*
303 *the UK*,⁴⁰ among other cases. In *Mersch and others v. Luxembourg*, the
304 Commission carefully distinguished between the two tests, applying them to two
305 different types of complaints. The case was declared incompatible with the provi-
306 sions of the Convention in so far as it regarded a violation of the Convention's pro-
307 visions on account of measures taken under a legal instrument, as the claimants
308 had not been subjected to surveillance measures. Likewise, the Commission
309 stressed that legal persons, one of the applicants being a legal person, could not
310 complain about such matters as they could not be subjected to monitoring or sur-
311 veillance ordered in the course of criminal proceedings because legal persons had
312 no criminal responsibility. However, it continued to point out that another part of
313 the claim regarded laws as such, allowing for surveillance not confined to persons
314 who may be suspected of committing the criminal offences referred to therein.
315 With regard to this abstract claim, the Commission accepted all applicants in their
316 claim and declared the case admissible.⁴¹ Vice versa, in *Hilton v. the UK*, the
317 Commission stated that 'the Klass case falls to be distinguished from the present
318 case in that there existed a legislative framework in that case which governed the
319 use of secret measures and that this legislation potentially affected all users of
320 postal and telecommunications services. In the present case the category of per-
321 sons likely to be affected by the measures in question is significantly narrower. On
322 the other hand, the Commission considers that it should be possible in certain
323 cases to raise a complaint such as is made by the applicant without the necessity of
324 proving the existence of a file of personal information. To fall into the latter cate-
325 gory the Commission is of the opinion that applicants must be able to show that
326 there is, at least, a reasonable likelihood that the Security Service has compiled
327 and continues to retain personal information about them.'⁴²

328 Section 5 will explore the use of the abstract test by the Court in more detail.
329 What is important to note with regard to the reasonable likelihood test⁴³ is that two

³⁸ECtHR, Case of Association "21 December 1989" and others v. Romania, application nos. 33810/07 and 18817/08, 24 May 2011. ECmHR, Spillmann v. Switzerland, application no. 11811/85, 08 March 1988.

³⁹ECmHR, *Malone v. the United Kingdom*, application no. 8691/79, 13 July 1981. See further: ECtHR, *Leander v. Sweden*, application no. 9248/81, 26 March 1987. ECtHR, *Huvig v. France*, application no. 11105/84, 24 April 1990. ECtHR, *Kruslin v. France*, application no. 11801/85, 24 April 1990.

⁴⁰ECtHR, *P.G. and J.H. v. the United Kingdom*, application no. 44787/98, 25 September 2001.

⁴¹ECmHR, *Mersch and others v. Luxembourg*, application nos. 10439/83, 10440/83, 10441/83, 10452/83, 10512/83 and 10513/83, 10 May 1985.

⁴²ECmHR, *Hilton v. the United Kingdom*, application no. 12015/86, 06 July 1988.

⁴³ECtHR, *Stefanov v. Bulgaria*, application no. 65755/01, 22 May 2008. ECmHR, *Nimmo v. the United Kingdom*, application no. 12327/86, 11 October 1988.



330 aspects can lead to the establishment of a reasonable likelihood.⁴⁴ First, if the
331 applicant falls under a group or category that is specifically mentioned in the law
332 on which the surveillance activities are based. In these types of cases, the Court is
333 willing to accept that applicants who fall under these categories can demonstrate a
334 reasonable likelihood that they had been affected by the matters complained of.
335 Second, the Court takes into account specific actions by the applicants which
336 make them more likely to be affected by surveillance measures. In *Matthews v. the*
337 *UK*, for example, the Commission decided that the assumption of the applicants
338 that they were wiretapped was not substantiated by their argument that they heard
339 mysterious clicking noises when telephoning. ‘However, in view of the fact that
340 the applicant was active in the campaign against Cruise (nuclear) missiles in the
341 United Kingdom, the Commission will assume for the purposes of this decision
342 that the applicant has established a reasonable possibility that her telephone con-
343 versations were intercepted pursuant to a warrant for the purposes of national
344 security.’⁴⁵

345 **4 Chilling Effect (Future Harm)**

346 The chilling effect principle is mostly connected to the freedom of speech and the
347 Court uses it to explain that certain actions by the government, although not
348 directly limiting the freedom of speech of its citizens, may lead to self-restraint: a
349 chilling effect in the lawful use of a right. The chilling effect is the effect which
350 exists when people know that they are watched or know that they might be
351 watched. Afraid of the potential consequences, people will restrain their behavior
352 and abstain from certain acts which they perceive as possibly inciting negative
353 consequences.⁴⁶ However, the Court is also willing to accept this doctrine in

⁴⁴ECtHR, *Senator Lines GmbH v. Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden and the United Kingdom*, application no. 56672/00, 10 March 2004. ECtHR, *Segi and others and Gestoras Pro-Amnistia and others v. 15 states of the European Union*, application nos. 6422/02 and 9916/02, 23 May 2002. ECmHR, *Taura and 18 others v. France*, application no. 28204/95, 04 December 1995. ECtHR, *C. and D. and S. and others v. the United Kingdom*, application nos. 34407/02 and 34593/02, 31 August 2004. ECtHR, *C. v. the United Kingdom*, application no. 14858/03, 14 December 2004. ECtHR, *Berger-Krall and others v. Slovenia*, application no. 14717/04, 12 June 2014. ECmHR, *Esbester v. the United Kingdom*, application no. 18601/91, 02 April 1993. ECmHR, *Hewitt and Harman v. the United Kingdom*, application no. 20317/92, 01 September 1993. ECmHR, *Redgrave v. the United Kingdom*, application no. 20271/92, 01 September 1993. ECmHR, *T.D., D.E. and M.F. v. the United Kingdom*, application nos. 18600/91, 18601/91 and 18602/91, 12 October 1992.

⁴⁵ECmHR, *Matthews v. the United Kingdom*, application no. 28576/95, 16 October 1996. ECtHR, *Halford v. the United Kingdom*, application no. 20605/92, 25 June 1997, § 48.

⁴⁶Jeremy Bentham, *Panopticon; or The inspection-house* (Dublin, 1791). Michel Foucault, *Surveiller et punir: naissance de la prison* (Paris, Gallimard, 1975).



354 certain cases relating to Article 8 ECHR, primarily when they regard surveillance
355 measures, but also in relation to laws that discriminate or stigmatize certain groups
356 in society. Here, the Court is willing to accept that although no harm has been
357 done yet to an applicant, he may still be received in his (a priori) claim if it is
358 likely that he will suffer from harm in the future, either because he is curtailed in
359 his right to privacy by the government or because he will resort to self-restraint in
360 the use of his right.

361 An example may be the case of *Michaud v. France*, in which the applicant com-
362 plained that because lawyers were under an obligation to report suspicious opera-
363 tions, as a lawyer he was required, subject to disciplinary action, to report people
364 who came to him for advice. He considered this system to be incompatible with
365 the principles of lawyer-client privilege and professional confidentiality. The gov-
366 ernment maintained, however, that the applicant could not claim to be a ‘victim’
367 as his rights had not actually been affected in practice, highlighting that he did not
368 claim that the legislation in question had been applied to his detriment, but simply
369 that he had been obliged to organize his practice accordingly and introduce special
370 internal procedures. This would qualify as an *in abstracto* claim, according to the
371 government. It continued to stress that if the Court accepted his status as a ‘poten-
372 tial victim’, this would open the door for class actions.

373 The Court pointed out that, indeed, in order to be able to lodge an application
374 in pursuance of Article 34 of the Convention, a person must be able to claim to be
375 a ‘victim’ of a violation of the rights enshrined in the Convention: to claim to be a
376 victim of a violation, a person must be directly affected by the impugned measure.
377 The ECHR does not envisage the bringing of an *actio popularis* for the interpreta-
378 tion of the rights set out therein, the Court continued, or permit individuals to
379 complain about a provision of national law simply because they consider, without
380 having been directly affected by it, that it may contravene the Convention.
381 Referring to *Marckx v. Belgium*, *Johnston and others v. Ireland*, *Norris v. Ireland*
382 and *Burden v. the UK*, it stressed, however, that it is ‘open to a person to contend
383 that a law violates his rights, in the absence of an individual measure of implemen-
384 tation, and therefore to claim to be a “victim” within the meaning of Article 34 of
385 the Convention, if he is required to either modify his conduct or risk being prose-
386 cuted, or if he is a member of a class of people who risk being directly affected by
387 the legislation.’⁴⁷

388 The Court pointed out that if the applicant failed to report suspicious activi-
389 ties as required he would expose himself by virtue of the law to disciplinary sanc-
390 tions up to and including being struck off. The Court also considered credible the
391 applicant’s suggestion that, as a lawyer specialising in financial and tax law, he
392 was even more concerned by these obligations than many of his colleagues and
393 exposed to the consequences of failure to comply. In fact he was faced with a
394 dilemma comparable, *mutatis mutandis*, to that which the Court already identified
395 in *Dudgeon v. the UK* and *Norris*: either he applies the rules and relinquishes his

⁴⁷ECtHR, *Michaud v. France*, application no. 12323/33, 06 December 2012, § 51.



396 idea of the principle of lawyer-client privilege, or he decides not to apply them and
397 exposes himself to disciplinary sanctions and even being struck off. Therefore, the
398 Court accepted that the applicant was directly affected by the impugned provisions
399 and could therefore claim to be a ‘victim’ of the alleged violation of Article 8. In
400 conclusion, the Court accepted a victim status, not because the applicant had actu-
401 ally suffered from any concrete harm, but because he was likely to be affected by
402 it in the future, either because he would restrict or limit his behaviour or because
403 he would not and face a legal sanction.

404 The references to the cases of, inter alia, Marckx, Dudgeon and Norris, are particu-
405 larly telling. The Court is also willing to relax its strict focus on individual
406 harm when cases regard potential discrimination and stigmatization of weaker
407 groups in society. For example, it has accepted that where the national legislator
408 had adopted a prohibition on abortion and the applicant neither was pregnant, nor
409 had been refused an interruption of pregnancy, nor had been prosecuted for unlaw-
410 ful abortion, the claimant could still be received.⁴⁸ Likewise, in Marckx, the inher-
411 itance laws complained of had not yet been applied to the applicants and
412 presumably would not be applied for a certain period of time, but the Court argued
413 nonetheless that they had a legitimate interest in challenging a legal position, that
414 of an unmarried mother and of children born out of wedlock, which affected
415 them—according to the Court—personally.⁴⁹ In Dudgeon and Norris, the case
416 regarded a claim by an applicant about the regulation of homosexual conduct. The
417 Court held that the applicant could be received even without the law being applied
418 to him and without there being any reason to believe that it might be, as ‘the very
419 existence of this legislation continuously and directly affects his private life: either
420 he respects the law and refrains from engaging—even in private with consenting
421 male partners—in prohibited sexual acts to which he is disposed by reason of his
422 homosexual tendencies, or he commits such acts and thereby becomes liable to
423 criminal prosecution.’⁵⁰

424 This approach is becoming increasingly important in cases revolving around
425 surveillance activities by the state, in which the Court is also willing to accept
426 potential future harm and chilling effects. A good example may be the case of
427 *Colon v. the Netherlands*, in which the applicant complained that the designa-
428 tion of a security risk area by the Burgomaster of Amsterdam violated his right to
429 respect for privacy as it enabled a public prosecutor to conduct random searches of
430 people over an extensive period in a large area without this mandate being subject
431 to any judicial review. The government, to the contrary, argued that the designation
432 of a security risk area or the issuing of a stop-and-search order had not in itself

⁴⁸ECmHR, Brüggemann and Scheuten v. Germany, application no. 6959/75, 19 May 1976.

⁴⁹ECtHR, Marckx v. Belgium, application no. 6833/74, 13 June 1979, § 27.

⁵⁰ECtHR, Dudgeon v. the United Kingdom, application no. 7525/76, 22 October 1981, § 41. See further: ECtHR, S.A.S. v. France, application no. 43835/11, 01 July 2014. ECtHR, Mateescu v. Romania, application no. 1944/10, 14 January 2014. ECtHR, Ballianatos and others v. Greece, application nos. 29381/09 and 32684/09, 07 November 2013.



433 constituted an interference with the applicant's private life or liberty of movement.
434 Since the event complained of, several preventive search operations had been
435 conducted; in none of them had the applicant been subjected to further attempts
436 to search him. This was, according to the government, enough to show that the
437 likelihood of an interference with the applicant's rights was so minimal that this
438 deprived him of the status of victim.

439 The Court stressed again, that in principle, it did not accept *in abstracto* claims
440 or an *actio popularis*. 'In principle, it is not sufficient for individual applicants to
441 claim that the mere existence of the legislation violates their rights under the
442 Convention; it is necessary that the law should have been applied to their detri-
443 ment. Nevertheless, Article 34 entitles individuals to contend that legislation vio-
444 lates their rights by itself, in the absence of an individual measure of
445 implementation, if they run the risk of being directly affected by it; that is, if they
446 are required either to modify their conduct or risk being prosecuted, or if they are
447 members of a class of people who risk being directly affected by the legislation.'⁵¹
448 It went on to stress that it was 'not disposed to doubt that the applicant was
449 engaged in lawful pursuits for which he might reasonably wish to visit the part of
450 Amsterdam city centre designated as a security risk area. This made him liable to
451 be subjected to search orders should these happen to coincide with his visits there.
452 The events of 19 February 2004, followed by the criminal prosecution occasioned
453 by the applicant's refusal to submit to a search, leave no room for doubt on this
454 point. It follows that the applicant can claim to be a "victim" within the meaning
455 of Article 34 of the Convention and the Government's alternative preliminary
456 objection must be rejected also.'⁵²

457 Like with the laws prohibiting homosexual conduct, the applicant was left only
458 the choice between two evils: either he avoided traveling to the capital city of the
459 Netherlands or he risked being subjected to surveillance activities. This is enough
460 for the Court to accept a victim-status, which it has reaffirmed in later jurispru-
461 dence.⁵³ Right now pending before the Court is a case regarding mass surveillance
462 activities by the British government and its intelligence services.⁵⁴ It will be inter-
463 esting to see whether in the future, the Court is willing to content that, if govern-
464 ments engage in data retention practices⁵⁵ or wiretap all telecommunication
465 coming in or going out of their country, echoing Colon, citizens are left only with
466 the choice either to abstain from legitimately using the internet or other common
467 (electronic) communication channels or face the risk of being subjected to surveil-
468 lance activities.

⁵¹ECtHR, *Colon v. the Netherlands*, application no. 49458/06, 15 May 2012, § 60.

⁵²Colon, § 61.

⁵³ECtHR, *Ucar and others v. Turkey*, application no. 4692/09, 24 June 2014.

⁵⁴ECtHR, *Big Brother Watch and others v. the United Kingdom*, application no. 58170/13, 07 January 2014.

⁵⁵ECJ, *Digital Rights Ireland*, C-293/12 and C-594/12, 8 April 2014.



469 5 In Abstracto Claims (No Individual Harm)

470 Although in the cases discussed in the foregoing a relaxation takes place, the
471 Court still holds on to the victim requirement. There are, however, cases, which
472 have been briefly touched upon in Sect. 3, in which the Court allows *in abstracto*
473 claims, regarding laws or policies as such, without them having been applied to
474 the claimant or otherwise having a direct effect on him.⁵⁶ Sometimes, the Court,
475 rather artificially, holds on to the victim requirement by holding that everyone liv-
476 ing in a certain country is affected by a certain law. For example, in *Weber and*
477 *Saravia v. Germany*, the applicants claimed that certain provisions of the Fight
478 against Crime Act violated Article 8 ECHR. The Court reiterated that the mere
479 existence of legislation which allows a system for the secret monitoring of com-
480 munications entails a threat of surveillance for all those to whom the legislation
481 may be applied. ‘This threat necessarily strikes at freedom of communication
482 between users of the telecommunications services and thereby amounts in itself to
483 an interference with the exercise of the applicants’ rights under Article 8, irrespec-
484 tive of any measures actually taken against them.’⁵⁷ In similar fashion, the Court
485 recalled in *Liberty and others v. the UK* its findings ‘in previous cases to the effect
486 that the mere existence of legislation which allows a system for the secret monitor-
487 ing of communications entails a threat of surveillance for all those to whom the
488 legislation may be applied. This threat necessarily strikes at freedom of communi-
489 cation between users of the telecommunications services and thereby amounts in
490 itself to an interference with the exercise of the applicants’ rights under Article 8,
491 irrespective of any measures actually taken against them.’⁵⁸ The fact that everyone
492 may claim to be a victim means that everyone may submit a claim before the
493 Court, a situation which it hoped to prevent by introducing the prohibition on class
494 actions.

495 Although in these cases, the Court still holds onto the victim requirement, in
496 most cases revolving around *in abstracto* claims, such as *Klass, Malone, P.G. and*
497 *J.H. and Mersch*, the victim requirement is simply abandoned. This fact has had
498 a large influence on the admissibility of cases and complainants more in general.
499 While typical cases under Article 8 ECHR revolve around individual interests such
500 as human dignity, individual autonomy and personal freedom, cases in which the
501 Court accepts *in abstracto* claims revolve around societal interests, such as the
502 abuse of power by the government. Abandoning the victim-requirement means
503 that other hurdles for invoking Article 8 ECHR are also minimized. A number of

⁵⁶See further: ECmHR, *M.S. and P.S. v. Switzerland*, application no. 10628/83, 14 October 1985. ECtHR, *Tanase v. Moldova*, application no. 7/08, 27 April 2010. ECtHR, *Hadzhiev v. Bulgaria*, application no. 22373/04, 23 October 2012. See further: ECtHR, *Goranova-Karaeneva v. Bulgaria*, application no. 12739/05, 08 March 2011.

⁵⁷ECtHR, *Weber and Saravia v. Germany*, application no. 54934/00, 29 June 2006, § 78.

⁵⁸ECtHR, *Liberty and others v. the United Kingdom*, application no. 58243/00, 01 July 2008, § 56–57.



504 examples may be provided, three of them will be touched upon here briefly. First,
505 the rejection of the Court of legal persons invoking the right to privacy, second the
506 obligation to exhaust all domestic remedies before submitting a claim under the
507 system of supra-national supervision and third, the requirement that a case must be
508 brought before the European Court of Human Rights within six months after the
509 final decision has been made on the national level.

510 As has been discussed, in *Mersch and others v. Luxembourg*, the Court was
511 willing to accept a legal person in its claim for the part of the case that regarded
512 the mere existence of laws or policies as such. Besides *Mersch*, the Court accepted
513 the complaint of a legal person in *Liberty and in the case of the Association for*
514 *European Integration and Human Rights and Ekimdzhiev v. Bulgaria*. The latter
515 case regarded the authorities' wide discretion to gather and use information
516 obtained through secret surveillance. The applicants suggested that, by failing to
517 provide sufficient safeguards against abuse, by its very existence, the laws were in
518 violation of Article 8 ECHR. The government disputed that the applicants could be
519 considered victims (as they did not claim to be specifically harmed by the matter)
520 and that legal persons should not be allowed to claim a right to privacy in general
521 and in particular in this case because the legal person could not have been harmed
522 itself. The Court, however, pointed to the statutory objectives of the association
523 and found that the 'rights in issue in the present case are those of the applicant
524 association, not of its members. There is therefore a sufficiently direct link
525 between the association as such and the alleged breaches of the Convention. It fol-
526 lows that it can claim to be a victim within the meaning of Article 34 of the
527 Convention.'⁵⁹ Essentially the same was held in *Iordachi and others v. Moldova*.⁶⁰
528 This means that legal persons who have statutes that incorporate references to the
529 general protection of privacy and other human rights may have direct access to the
530 court in the future when cases regard mass surveillance activities by the state.

531 As a second example, reference can be made to the requirement to exhaust all
532 domestic remedies before submitting a claim before the ECtHR, which is also
533 relaxed with *in abstracto* claims. The European Convention on Human Rights,
534 Article 35, regarding the admissibility criteria, specifies that the Court may only
535 deal with a matter after all domestic remedies have been exhausted, according to
536 the general recognized rules of international law. This is connected to the princi-
537 ple that the Court dismisses cases in which the national authorities have acknowl-
538 edged their mistake and have remedied their misconduct, either by providing
539 compensation and/or by revoking the law or policy on which the abusive practices
540 were based. If the national courts would be passed over by the claimant, national
541 states would be denied this chance. However, the problem with *in abstracto* claims
542 is that, especially when linked to mass surveillance by secret services, the national
543 oversight on surveillance activities is often quite limited. In particular, *in abstracto*

⁵⁹ECtHR, *Association for European Integration and Human Rights and Ekimdzhiev v. Bulgaria*, application no. 62540/00, 08 June 2007, § 59.

⁶⁰ECtHR, *Iordachi and other v. Moldova*, application no. 25198/02, 10 February 2009, § 33–34.



544 claims can often not be brought forward by citizens or legal persons on the domestic
545 level. Moreover, the courts and tribunals often simply lack the power to annul
546 laws or policies and can only assess specific individual cases. That is why the
547 ECtHR is often willing to accept claimants which have not exhausted all domestic
548 remedies if the claim regards the mere existence of laws or policies as such.

549 For example, in *Kennedy v. the UK*, the Court concluded that the applicant had
550 failed to raise his arguments as regarded the overall Convention-compatibility of
551 the Regulation of Investigatory Powers Act 2000 (RIPA) provisions before the
552 Investigatory Powers Tribunal (IPT). However, it also stressed that where the govern-
553 ment claimed non-exhaustion it must satisfy the Court that the remedy pro-
554 posed was an effective one available in theory and in practice at the relevant time,
555 that is to say, that it was accessible, was capable of providing redress in respect of
556 the applicant's complaints and offered reasonable prospects of success. However,
557 if 'the applicant had made a general complaint to the IPT, and if that complaint
558 been upheld, the tribunal did not have the power to annul any of the RIPA provi-
559 sions or to find any interception arising under RIPA to be unlawful as a result of
560 the incompatibility of the provisions themselves with the Convention. []

561 Accordingly, the Court considers that the applicant was not required to advance
562 his complaint regarding the general compliance of the RIPA regime for internal
563 communications with Article 8 § 2 before the IPT in order to satisfy the require-
564 ment under Article 35 § 1 that he exhaust domestic remedies.⁶¹ The Court held
565 essentially the same in *M.M. v. the UK*.⁶² This means for *in abstracto* claims, that
566 the ECtHR is willing to rule as court of first instance.

AQ1

567 To provide a final example, the Convention specifies certain time-restricting
568 principles, which are also put under pressure with *in abstracto* claims, as these do
569 not revolve around specific violations, but the existence of laws or policies as such
570 and are thus not linked to a specific moment in time. The principle of *ratione tem-*
571 *poris*, which means that the provisions of the Convention do not bind a national
572 state in relation to any act or fact which took place or any situation which ceased
573 to exist before the date of the entry into force of the Convention or the accession
574 of a state to the ECHR. This means that, for example, if the right to privacy of an
575 individual had been violated by a state before that state entered the Convention,
576 this case will be declared inadmissible by the Court. Obviously, this principle
577 does not apply to *in abstracto* claims, as the infringement continues to exist. The
578 Convention, Article 35, also requires applicants to submit their application within
579 a period of six months from the date on which the final decision on the national
580 level was taken. This principle is also very difficult to maintain with regard to *in*
581 *abstracto* claims, and the ECtHR has often adopted a flexible approach with this
582 respect.

583 For example, in *Lenev v. Bulgaria*, the Court made a sharp distinction between
584 the complaint regarding individual harm and the part of the application revolving

⁶¹ECtHR, *Kennedy v. the United Kingdom*, application no. 26839/05, 18 May 2010.

⁶²ECtHR, *M.M. v. the United Kingdom*, application no. 24029/07, 13 November 2012.



585 around the mere existence of the law. It stressed that the applicant complained
586 'more than six months later, on 12 September 2007. The fact that he did not have
587 knowledge of the exact content of the recording is immaterial because the lack of
588 such knowledge could not prevent him from formulating a complaint under Article
589 8 of the Convention in relation to the secret taping of his interrogation. Nor can the
590 Court accept that the criminal proceedings against the applicant constituted an
591 obstacle to his raising grievances in this respect. It follows that the complaints
592 concerning the secret taping of the applicant's interrogation have been introduced
593 out of time and must be rejected in accordance with Article 35 §§ 1 and 4 of the
594 Convention. By contrast, the concomitant complaints concerning the mere exist-
595 ence in Bulgaria of laws and practices which have established a system for secret
596 surveillance relate to a continuing situation—in as much as the applicant may at
597 any time be placed under such surveillance without his being aware of it. It fol-
598 lows that his complaints in that respect cannot be regarded as having been raised
599 out of time.⁶³ Consequently, claims revolving around the mere existence of laws
600 or policies are not bound by the time-limits specified by the Convention. In con-
601 clusion, abandoning the victim-requirement has the effect that many threshold for
602 invoking a right under the Convention dissolve.

AQ2

603 6 Analysis

604 To summarize briefly, the following has been shown. The Court focusses on indi-
605 vidual harm by natural persons when assessing the admissibility of cases under
606 Article 8 ECHR. According to the Court, this provision guarantees protection only
607 to individual interests such as human dignity, individual autonomy and personal
608 freedom. Cases are declared inadmissible if they do not revolve around individual
609 harm. Examples are: *in abstracto* claims, a priori claims, hypothetical complaints,
610 class actions, claims about minimal harm, claims about harm which has been
611 remedied, claims by legal persons and claims that do not regard strictly personal
612 interests. However, it has also been explained that in certain types of cases, mostly
613 revolving around surveillance activities, the Court is willing to relax its standards.
614 It is sometimes willing to allow for hypothetical complaints if a reasonable likeli-
615 hood exists that the applicant has been harmed, it is occasionally willing to accept
616 a priori claims, when the applicant is forced to restrict its legitimate use of his
617 right to privacy in order to avoid legal sanctions, and it is even willing to accept
618 claims that revolve around the mere existence of laws and policies as such.

619 The reason why the Court is willing to relax its stance in these cases specifi-
620 cally is clear. With (mass) surveillance activities, either by secret services or other
621 governmental institutions, the citizen is mostly unaware of the fact that he is being
622 followed or that his data are being gathered, why this is done, by whom, to what

⁶³ECtHR, *Lenev v. Bulgaria*, application no. 41452/07, 04 December 2012.



623 extent, etc. Likewise, especially with regard to laws allowing for mass surveillance
624 and data retention, the fact is that the potential violations do not revolve around a
625 specific person, but affect everyone living under that regime or at least very large
626 numbers of people. Mostly, the issue is simply the presumed abuse of power by
627 national authorities. This is a societal interest, related to the legitimacy and legality
628 of the state.

629 The reason for discussing these matters in such detail is that these characteris-
630 tics are shared to a large extent by privacy infringements following from Big Data
631 initiatives. Often, an individual is simply unaware that his personal data are gath-
632 ered by either his fellow citizens (e.g. through the use of their smartphones), by
633 companies (e.g. by tracking cookies) or by governments (e.g. through covert sur-
634 veillance). Even if a person would be aware of these data collections, given the
635 fact that data gathering and processing is currently so widespread and omnipres-
636 ent, and will become even more so in the future, it will quite likely be impossible
637 for him to keep track of every data processing which includes (or might include)
638 his data, to assess whether the data controller abides by the legal standards appli-
639 cable, and if not, to file a legal complaint. And if an individual does go to court to
640 defend his rights, he has to demonstrate a personal interest, i.e. personal harm,
641 which is a particularly problematic notion in Big Data processes.⁶⁴

642 Finally, under the current privacy and data protection regimes, the balancing of
643 interests is the most common way in which to resolve cases. In a concrete matter,
644 the societal interests served with the data gathering, for example wiretapping a
645 person's telephone because he is suspected of having committed a murder, is
646 weighed against the harm the wiretapping does to his personal autonomy, freedom
647 or dignity. However, the balancing of interests becomes increasingly difficult in
648 the age of Big Data, not only because the individual interest involved with a par-
649 ticular case is so difficult to substantiate, the societal interest at the other end is
650 also increasingly difficult to specify.⁶⁵ For example, it is mostly unclear in how far
651 the large data collections by intelligence services have actually prevented concrete
652 terrorist attacks. This balance is even more difficult if executed on an individual
653 level, i.e. how the collection of personal data of a particular non-suspected person

⁶⁴See further: David Bollier, "The Promise and Peril of Big Data", <<http://www.emc.com/collateral/analyst-reports/10334-ar-promise-peril-of-big-data.pdf>>. Danah Boyd and Kate Crawford, "Six Provocations for Big Data", <http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1926431>. Lawrence Busch, "A Dozen Ways to Get Lost in Translation: Inherent Challenges in Large Scale Data Sets", *International Journal of Communication* 8 (2014). Neil M. Richards & Jonathan H. King, "Three Paradoxes of Big Data", *Stanford Law Review online* 66 (2013): 44.

⁶⁵See further: Kevin Driscoll and Shawn Walker, "Working Within a Black Box: Transparency in the Collection and Production of Big Twitter Data" *International Journal of Communication* 8 (2014). Theresa M. Payton & Theodore Claypoole, *Privacy in the age of Big Data: recognizing threats, defending your rights, and protecting your family* (Rowman & Littlefield: Plymouth, 2014). Cornelius Puschmann and Jean Burgess, "Metaphors of Big Data", *International Journal of Communication* 8 (2014). Omer Tene & Jules Polonetsky, "Big Data for All: Privacy and User Control in the Age of Analytics", *Northwestern Journal of Technology and Intellectual Property* 11 (2013): 239.



654 has ameliorated the national security.⁶⁶ Perhaps more important is the fact that
655 with some of the large scale data collections, there seems not a relative interest at
656 stake, which can be weighed against other interests, but absolute interests. For
657 example, it has been suggested that the data collection by the NSA is so large, is
658 conducted over such a long time span and includes data about so many people that
659 this simply qualifies as abuse of power.⁶⁷ Abuse of power is not something which
660 can be legitimated by its instrumentality towards a specific societal interest—it is
661 an absolute minimum condition of the use of power.

662 The same problems with applying the current privacy paradigm also count for
663 data protection rules. They too are dependent for their applicability on the material
664 and personal scope, which, like the right to privacy, is linked to the natural person.
665 For example, the Data Protection Directive defines personal data as ‘any informa-
666 tion relating to an identified or identifiable natural person (‘data subject’); an identi-
667 fiable person is one who can be identified, directly or indirectly, in particular by
668 reference to an identification number or to one or more factors specific to his phys-
669 ical, physiological, mental, economic, cultural or social identity’.⁶⁸ However, if
670 data are processed on an aggregated level and turned into group profiles, it is often
671 impossible to directly identify one particular person on the basis of it. Moreover,
672 like the right to privacy, data protection revolves to a large extent around individual
673 rights, such as the right to access personal data and correct them, the right to be
674 forgotten and the right to a legal remedy. The same problems signaled with regard
675 to individual privacy rights consequently apply to the data protection regime.⁶⁹

676 All notions connected to the victim-requirement, such as the *de minimis* rule,
677 the prohibition on hypothetical, future and abstract harm, the prohibition of class
678 actions and of legal persons instituting a complaint, and the focus on individual
679 interests, seem to be put under pressure by the developments known as Big Data.
680 What seems most suitable for claims regarding privacy infringements following
681 from mass surveillance and Big Data practices is claims about the potential chill-
682 ing effect (e.g. users being afraid to use certain forms of communication), about
683 hypothetical harm and even abstract assessments of the policies and practices as
684 such. Not the individual seems to be best equipped to file a complaint, but civil

⁶⁶See further: Pierre-Luc Dusseault, “Privacy and social media in the Age of Big Data: Report of the Standing Committee on Access to Information, Privacy and Ethics”, <<http://www.parl.gc.ca/content/hoc/Committee/411/ETHI/Reports/RP6094136/ethirp05/ethirp05-e.pdf>>.

Neil M. Richards & Jonathan H. King, “Big Data Ethics”, *Wake Forest Law Review* 49 (2014).

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⁶⁷Bart van der Sloot, “Privacy in the Post-NSA Era: Time for a Fundamental Revision?” *Journal of intellectual property, information technology and electronic commerce law* 5 (2014): 1.

⁶⁸Article 2 sub (a) Directive 95/46/EC of the European Parliament and of the Council of 24 October 1995 on the protection of individuals with regard to the processing of personal data and on the free movement of such data.

⁶⁹See also: <http://ec.europa.eu/justice/data-protection/document/review2012/com_2012_11_en.pdf>.



685 society groups and legal persons. Not individual interest are at stake in these types
686 of processes, but general and societal interests. Thus, in order to retain the rel-
687 evance of the rights to privacy and data protection in the modern technological era,
688 the victim-requirement and all its sub-requirements should be relaxed.

689 And this is exactly what the ECtHR is willing to do in cases that revolve around
690 surveillance activities. It does accept claims about future harm and potential chill-
691 ing effects, about hypothetical harm, it does receive class actions, abstract claims
692 and legal persons and it does take into account abstract and societal interests. The
693 question is, however, at what price this comes. What is left for the Court, particu-
694 larly with *in abstracto* claims, to assess in these types of cases is the mere quality
695 of laws and policies as such and the question is whether this narrow assessment
696 is still properly addressed under a human rights framework. The normal assess-
697 ment of the Court revolves around, roughly, three questions: (1) has there been an
698 infringement of the right to privacy of the claimant, (2) is the infringement pre-
699 scribed by law and (3) is the infringement necessary in a democratic society in
700 terms of, inter alia, national security, that is, does the societal interest in this par-
701 ticular case outweigh the individual interest. Obviously, the first question does not
702 apply to *in abstracto* claims because there has been no infringement with the right
703 of the claimant. The third question is also left untouched by the Court, because it
704 is impossible, in the absence of an individual interest, to weigh the different inter-
705 ests involved. This means of course that another principle by the Court, namely
706 that it only decides on the particular case before it, is also overturned.

707 Even the second question is not applicable as such as there is no infringement
708 that is or is not prescribed by law. Although the Court regularly determines in cases,
709 inter alia, whether the laws are accessible, whether sanctions are foreseeable and
710 whether the infringement at stake is based on a legal provision, this does not apply to
711 *in abstracto* claims. There *is* often a law permitting mass surveillance (that is exactly
712 the problem) and these laws *are* accessible and the consequences *are* foreseeable (in
713 the sense that everyone will be affected by it). Rather, it is the mere quality of the
714 policy as such that is assessed—the content of the law, the use of power as such, is
715 deemed inappropriate. The question of abuse of power can of course be addressed by
716 the Court, though not under Article 8 ECHR, but under Article 18 of the Convention,
717 which specifies: ‘The restrictions permitted under this Convention to the said rights
718 and freedoms shall not be applied for any purpose other than those for which they
719 have been prescribed.’ But as the Court has stressed, this provision can only be
720 invoked if one of the other Convention rights are at stake. Reprehensible as the abuse
721 of power may be, it is only proper to address this question under a human rights
722 framework if one of the human rights contained therein will or have been violated by
723 the abuse. The Court cannot assess the abuse of power as such (a doctrine which it
724 also applies to, inter alia, Article 14 ECHR, the prohibition of discrimination).

725 However, what is assessed in cases in which *in abstracto* claims regarding surveil-
726 lance activities have been accepted is precisely the use of power by the government as
727 such, without a specific individual interest being at stake. This is a test of legality and
728 legitimacy, which is well known to countries that have a constitutional court or body,
729 such as France and Germany. These courts can assess the ‘constitutionality’ of national



730 laws in abstract terms. Not surprisingly, the term ‘conventionality’ (or ‘conventionalité’
731 in French) has been introduced in the cases discussed.⁷⁰ For example, in *Michaud*, the
732 government argued that with a previous *in abstracto* decision, the Court had ‘issued the
733 Community human rights protection system with a “certificate of conventionality”, in
734 terms of both its substantive and its procedural guarantees.’⁷¹ Referring to the *Michaud*
735 judgment, among other cases, in his partly concurring, partly dissenting opinion in
736 *Vallianatos and others v. Greece*, judge Pinto De Albuquerque explained: ‘The abstract
737 review of “conventionality” is the review of the compatibility of a national law with the
738 Convention independently of a specific case where this law has been applied.’⁷²

739 He argued that the particular interest of the *Vallianatos and others* case, which
740 revolved around the fact that the civil unions introduced by a specific law were
741 designed only for couples composed of different-sex adults, is that the Grand
742 Chamber performs an abstract review of the “conventionality” of a Greek law,
743 while acting as a court of first instance. ‘The Grand Chamber not only reviews the
744 Convention compliance of a law which has not been applied to the applicants, but
745 furthermore does it without the benefit of prior scrutiny of that same legislation by
746 the national courts. In other words, the Grand Chamber invests itself with the power
747 to examine *in abstracto* the Convention compliance of laws without any prior
748 national judicial review.’⁷³ As explained earlier, when discussing *Lenev v. Bulgaria*,
749 the Court is likewise willing to pass over the domestic legal system and act as court
750 of first instance in cases revolving around mass surveillance. Subsequent to
751 *Michaud* and *Vallianatos*, the term ‘conventionality’ has been used more often,⁷⁴ as
752 well as the term ‘Convention-compatibility’, for example in the case of *Kenedy v.*
753 *the UK* discussed earlier,⁷⁵ and most likely will only gain in dominance as the
754 Court opens up the Convention for abstract reviews of laws and policies.

⁷⁰See for the use of the word also: ECtHR, *Py v. France*, application no. 66289/01, 11 January 2005. ECtHR, *Kart v. Turkey*, application no. 8917/05, 08 July 2008. ECtHR, *Duda v. France*, application no. 37387/05, 17 March 2009. ECtHR, *Kanagaratnam and others v. Belgium*, application no. 15297/09, 13 December 2011. ECtHR, *M.N. and F.Z. v. France and Greece*, application nos. 59677/09 and 1453/10, 08 January 2013.

⁷¹*Michaud*, § 73. See also: ECtHR, *Vassis and others v. France*, application no. 62736/09, 27 June 2013.

⁷²ECtHR, *Vallianatos and others v. Greece*, application nos. 29381/09 and 32684, 07 November 2013.

⁷³*Ibid.*

⁷⁴See among others: ECtHR, *S.A.S. v. France*, application no. 43835/11, 01 July 2014. ECtHR, *Avotins v. Latvia*, application no. 17502/07, 25 February 2014. ECtHR, *Matelly v. France*, application no. 10609/10, 02 October 2014. ECtHR, *Delta Pekarny A.S. v. Czech Republic*, application no. 97/11, 02 October 2014.

⁷⁵See among others: ECtHR, *Animal Defenders International v. the United Kingdom*, application no. 48876/08, 22 April 2013. ECtHR, *Emars v. Latvia*, application no. 22412/08, 18 November 2014. ECtHR, *Kennedy v. the United Kingdom*, application no. 26839/05, 18 May 2010. ECtHR, *Mikálauskas v. Malta*, application no. 4458/10, 23 July 2013. ECtHR, *Sorensen and Rusmussen v. Denmark*, application nos. 52562/99 and 52620/99, 11 January 2006. ECtHR, *Bosphorushava Yollari Turizm ve Ticaret Anonim Sirketi v. Ireland*, application no. 45036/98, 30 June 2005. ECtHR, *Lunch and Whelan v. Ireland*, application nos. 70495/10 and 74565/10, 18 June 2013. ECtHR, *Interdnestrom v. Moldova*, application no. 48814/06, 13 March 2012.



755 What is left in these types of cases is thus the abstract assessment of laws and
756 policies as such, without a Convention right necessarily being at stake.
757 Furthermore, the Court is willing to assess the ‘Conventionability’ of these laws as
758 court of first instance. Desirable as such an abstract test may be,⁷⁶ it is question-
759 able whether it should be conducted under a human rights framework. Of course, in
760 the Big Data era, what is needed is not more individual rights protecting individual
761 interests, but general duties to protect general interests.⁷⁷ Accepting *in abstracto*
762 claims and assessing the legality and legitimacy of laws and (Big Data) practices
763 as such fits this purpose. But if it is true that human rights protect humans and
764 their interests, it seems that the Court should only have the competence to address
765 human rights violations. Although it does have the power to assess the abuse of
766 power, under a human rights framework, the abuse of power addressed should at
767 least have an impact on concrete individual rights. When this is not the case, like
768 with cases revolving around the abstract assessment of laws permitting mass sur-
769 veillance and in the future, potentially, cases revolving around Big Data processes,
770 it seems that the human rights framework is simply not the most appropriate
771 instrument to turn to. When the Court does so nevertheless, although for noble rea-
772 sons, it seems to overstretch its own competence and change the nature of the
773 ECHR from a human rights instrument to a document resembling a constitution,
774 and its position from a supra-national court overseeing severe human rights viola-
775 tions in last instance, to a first instance court for assessing the legality and legiti-
776 macy of laws and policies as such.

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⁷⁶Letting go of the personal and material scope of data protection rules could similarly lead to the application of certain principles *in abstracto*, such as the transparency principle, the requirement of having a clear and defined purpose for the processing, the purpose limitation principle and the obligations to process data safely and confidentially and to keep the data correct and up to date. Again, although this abstract test might be in itself desirable, the question is whether it is appropriate to fit this under the regimes protecting personal data.

⁷⁷See further: Bart van der Sloot, “Do data protection rules protect the individual and should they? An assessment of the proposed General Data Protection Regulation”, *International Data Privacy Law* 3 (2014b).



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