Practical problems in enforcing Data Protection by Design & by Default – the perspective of a Data Protection Authority

Marit Hansen Data Protection Commissioner Schleswig-Holstein, Germany

Chalmers Security & Privacy Lab, Göteborg 23 September 2022





Unabhängiges Landeszentrum für Datenschutz Schleswig-Holstein





- Data Protection Authority (DPA) for both the public and private sector
- Also responsible for freedom of information



State of Germany Flag Berlin Coordinates: 54°28'12"N 9°30'50"E Country Germany Capital Kiel Government Landtag of Schleswig- Body Holstein Minister-Daniel Günther (CDU) President Governing CDU / Greens parties Bundesrat 4 (of 69) votes Bundestag 28 (of 736) seats Area

Schleswig-Holstein

15,804 km² (6,102 sq mi) Total

Population (04.01.2022)^[1] 2,920,850

Total

180/km² (480/sq mi) Density

Source: en.wikipedia.org/ wiki/Schleswig-Holstein

Enforcing Data Protection by





Overview

- 1. Data protection law and its objectives
- 2. Enforcement of the GDPR: task of the Data Protection Authorities
- 3. Art. 25 GDPR: Data Protection by Design & by Default
- 4. Status quo & difficulties
- 5. Further levers & wishlist
- 6. Conclusion





Imbalance in power ⇒ data protection necessary

Important: Perspective of the individual

More than security of personal data







General Data Protection Regulation

- Idea: One for All and All for One
- Objectives: real harmonisation, "level playing field", legal certainty,
 Significant sanctions
 European enforcement
 - Procedural rights:
- [Art. 77, 78] Data subject DPA
- [Art. 79, 82] Data subject controller
 - [Art. 80 Representative actions



https://upload.wikimedia.org/wikipedia/commons/ 8/85/Unus_pro_omnibus%2C_omnes_pro_uno.jpg



GDPR as "Game Changer" (?)



Powerful toolbox if applied appropriately

- Market location principle (Art. 3 GDPR)
- Responsibility (Art. 24 GDPR)
- Data protection by design (Art. 25(1) GDPR)
- Data protection by default (Art. 25(2) GDPR)
- Security (Art. 32 GDPR)
- Data protection impact assessment (Art. 35 GDPR – "Rights and freedoms of natural persons")
- Certification (Art. 42+43 GDPR)

- Fines & sanctions by Data Protection Commissioners (Art. 83+84 GDPR)
- Courts

ULD

Eurobarometer: "heard about the GDPR" (2021 compared with 2019)



https://webgate.ec.europa.eu/ebsm/api/public/deliverable/download?doc=true&deliverableId=76246, S. 29



Eurobarometer 2019: online full control?

QB9		elete			ntrol ormat			eel y	ou h	ave	over	the	info	orma	tion	you	prov	/ide	onlir	ne, e.	.g. th	ne ab	oility	to c	orred	ct, ch	nang	e or
2	1	2	4	4	1	1	0	2	2	4	4	1	3	2	4	1	1	1	1	3	2	2	1	0	3	10	1	2
7	3	3	6	3	3	1	7	4	3	2	4	3	5	0	2	0	1	9	0	4	3	7	1	4	4	11	1	7
15	15	10	19	15	22	20	22	17	26	28	21	33	26	16	26	24	36	26	28	26	30	24	41	31	29	21	27	40
44	50	58	44	52	51	56	50	56	49	47	53	46	49	66	52	60	48	50	57	53	51	53	44	53	53	31	62	45
32	31	27	27	26	23	22	21	21	20	19	18	17	17	16	16	15	14	14	14	14	14	14	13	12	11	11	9	6
* MT	CY CY	修 PT	HU	PL	HR	LT	EL	9 SK	SI	IE	EE	LU	П	FI	CZ	HR UK	FR	DK	SE	LV	EU28	B AT	<u>د</u> ES	BE	RO	BG	NL	DE
	Complete control Partial control No control at all website or application (SPONTANEOUS)																											
	Base: respondents who have provided personal information online (N=18,975)																											

https://webgate.ec.europa.eu/ebsm/api/public/deliverable/download?doc=true&deliverableId=69701, S. 35



Nightmare GDPR?





Source: Alexas_Fotos via Pixabay





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Tasks – Art. 57 GDPR

Article 57

Tasks

- Without prejudice to other tasks set out under this Regulation, each supervisory authority shall on its territory:
- (a) monitor and enforce the application of this Regulation;
- (b) promote public awareness and understanding of the risks, rules, safeguards and rights in relation to processing. Activities addressed specifically to children shall receive specific attention;
- (c) advise, in accordance with Member State law, the national parliament, the government, and other institutions and bodies on legislative and administrative measures relating to the protection of natural persons' rights and freedoms with regard to processing;
- (d) promote the awareness of controllers and processors of their obligations under this Regulation;
- (e) upon request, provide information to any data subject concerning the exercise of their rights under this Regulation and, if appropriate, cooperate with the supervisory authorities in other Member States to that end;
- (f) handle complaints lodged by a data subject, or by a body, organisation or association in accordance with Article 80, and investigate, to the extent appropriate, the subject matter of the complaint and inform the complainant of the progress and the outcome of the investigation within a reasonable period, in particular if further investigation or coordination with another supervisory authority is necessary;

- (g) cooperate with, including sharing information and provide mutual assistance to, other supervisory authorities with a view to ensuring the consistency of application and enforcement of this Regulation;
- (h) conduct investigations on the application of this Regulation, including on the basis of information received from another supervisory authority or other public authority;
- monitor relevant developments, insofar as they have an impact on the protection of personal data, in particular the development of information and communication technologies and commercial practices;
- adopt standard contractual clauses referred to in Article 28(8) and in point (d) of Article 46(2);
- (k) establish and maintain a list in relation to the requirement for data protection impact assessment pursuant to Article 35(4);
- give advice on the processing operations referred to in Article 36(2);
- (m) encourage the drawing up of codes of conduct pursuant to Article 40(1) and provide an opinion and approve such codes of conduct which provide sufficient safeguards, pursuant to Article 40(5);
- encourage the establishment of data protection certification mechanisms and of data protection seals and marks pursuant to Article 42(1), and approve the criteria of certification pursuant to Article 42(5);
- (o) where applicable, carry out a periodic review of certifications issued in accordance with Article 42(7);

- (p) draft and publish the requirements for accreditation of a body for monitoring codes of conduct pursuant to Article 41 and of a certification body pursuant to Article 43;
- (q) conduct the accreditation of a body for monitoring codes of conduct pursuant to Article 41 and of a certification body pursuant to Article 43;
- (r) authorise contractual clauses and provisions referred to in Article 46(3);
- (s) approve binding corporate rules pursuant to Article 47;
- (t) contribute to the activities of the Board;
- (u) keep internal records of infringements of this Regulation and of measures taken in accordance with Article 58(2); and
- (v) fulfil any other tasks related to the protection of personal data.

 Each supervisory authority shall facilitate the submission of complaints referred to in point (f) of paragraph 1 by measures such as a complaint submission form which can also be completed electronically, without excluding other means of communication.

The performance of the tasks of each supervisory authority shall be free of charge for the data subject and, where applicable, for the data protection officer.

4. Where requests are manifestly unfounded or excessive, in particular because of their repetitive character, the supervisory authority may charge a reasonable fee based on administrative costs, or refuse to act on the request. The supervisory authority shall bear the burden of demonstrating the manifestly unfounded or excessive character of the request.

... monitor and enforce the application of this Regulation ...



1) Investigative powers

2) Corrective powers

Powers – Art. 58 GDPR

3) Authorisation and advisory powers

Article 58

Powers

- Each supervisory authority shall have all of the following investigative powers:
- (a) to order the controller and the processor, and, where applicable, the controller's or the processor's representative to provide any information it requires for the performance of its tasks;
- (b) to carry out investigations in the form of data protection audits;
- (c) to carry out a review on certifications issued pursuant to Article 42(7);
- (d) to notify the controller or the processor of an alleged infringement of this Regulation;
- (e) to obtain, from the controller and the processor, access to all personal data and to all information necessary for the performance of its tasks;
- (f) to obtain access to any premises of the controller and the processor, including to any data processing equipment and means, in accordance with Union or Member State procedural law.
- Each supervisory authority shall have all of the following corrective powers:
- (a) to issue warnings to a controller or processor that intended processing operations are likely to infringe provisions of this Regulation;
- (b) to issue reprimands to a controller or a processor where processing operations have infringed provisions of this Regulation;
- (c) to order the controller or the processor to comply with the data subject's requests to exercise his or her rights pursuant to this Regulation;

- (d) to order the controller or processor to bring processing operations into compliance with the provisions of this Regulation, where appropriate, in a specified manner and within a specified period;
- (e) to order the controller to communicate a personal data breach to the data subject;
- (f) to impose a temporary or definitive limitation including a ban on processing;
- (g) to order the rectification or erasure of personal data or restriction of processing pursuant to Articles 16, 17 and 18 and the notification of such actions to recipients to whom the personal data have been disclosed pursuant to Article 17(2) and Article 19;
- (h) to withdraw a certification or to order the certification body to withdraw a certification issued pursuant to Articles 42 and 43, or to order the certification body not to issue certification if the requirements for the certification are not or are no longer met;
- to impose an administrative fine pursuant to Article 83, in addition to, or instead of measures referred to in this paragraph, depending on the circumstances of each individual case;
- (j) to order the suspension of data flows to a recipient in a third country or to an international organisation.
- 3. Each supervisory authority shall have all of the following authorisation and advisory powers:
- (a) to advise the controller in accordance with the prior consultation procedure referred to in Article 36;
- (b) to issue, on its own initiative or on request, opinions to the national parliament, the Member State government or, in accordance with Member State law, to other institutions and bodies as well as to the public on any issue related to the protection of personal data;

- (c) to authorise processing referred to in Article 36(5), if the law of the Member State requires such prior authorisation;
- (d) to issue an opinion and approve draft codes of conduct pursuant to Article 40(5);
- (e) to accredit certification bodies pursuant to Article 43;
- (f) to issue certifications and approve criteria of certification in accordance with Article 42(5);
- (g) to adopt standard data protection clauses referred to in Article 28(8) and in point (d) of Article 46(2);
- (h) to authorise contractual clauses referred to in point (a) of Article 46(3);
- to authorise administrative arrangements referred to in point (b) of Article 46(3);
- (j) to approve binding corporate rules pursuant to Article 47.
- 4. The exercise of the powers conferred on the supervisory authority pursuant to this Article shall be subject to appropriate safeguards, including effective judicial remedy and due process, set out in Union and Member State law in accordance with the Charter.
- 5. Each Member State shall provide by law that its supervisory authority shall have the power to bring infringements of this Regulation to the attention of the judicial authorities and where appropriate, to commence or engage otherwise in legal proceedings, in order to enforce the provisions of this Regulation.
- Each Member State may provide by law that its supervisory authority shall have additional powers to those referred to in paragraphs 1, 2 and 3. The exercise of those powers shall not impair the effective operation of Chapter VII.







Art. 58 (2) GDPR: Corrective powers

- Issue warnings (ex ante)
- Issue reprimands (ex post)
- Order the controller/processor to comply with the data subject's requests



Source: Sriom via Pixabay

- Order the controller/processor to bring processing operations into compliance with the GDPR
- Impose a temporary or definitive limitation including a ban on processing
- Order the rectification or erasure of personal data
- Impose an administrative fine
- Order the suspension of data flows to a recipient

Common: Legal remedy against the decision





Investigations by DPAs

- Relevance of regular investigations:
 - Complaints only address the visible part
 - How to deal with structural effects?
- Problem of non-auditability: termination of investigation?
- Investigations always after the fact (unless prior consultation)
- Moving targets: changing systems
- Sisyphean task: effort



Resources? Effort? Target of evaluation?



ULD



DPAs' assessments can be powerful and influence the market

DPA: "The processing is: ..."



... compliant:
On the basis of
a) an own investigation [scope]
b) a certification [Art. 42 GDPR]
c) a (final) court decision

... not compliant: On the basis of

- a) an own investigation [with potential input of security / privacy researchers]
- b) a (final) court decision

Source: Clker-Free-Vector-Images via Pixabay



www.datenschutzzentrum.de

https://www.datenschutzkonferenzonline.de/media/oh/20201111_checkl iste_oh_videokonferenzsysteme.pdf

Checkliste Datenschutz in Videokonferenzsystemen

Stand 11.11.2020

Bezogen auf die Orientierungshilfe Videokonferenzsysteme, Stand 23.10.2020

Kapitel in der Orientierungshilfe	Anforderung erfüllt? [ja/nein/nicht zu-	Refe- renz
2 Deehtliche Anforderungen	treffend]	
3 Rechtliche Anforderungen		
Rollen und Verantwortlichkeiten der Beteiligten sind klar verteilt und eindeutig festgelegt (Art. 4 Nr. 7 DS-GVO i.V.m. Art. 28 Abs. 3 und/oder Art. 26 DS- GVO).		
3.1 Selbst betriebener Dienst		
Der Betreiber des Videokonferenzsystems ist sich seiner Verantwortlichkeit im Sinne der DS-GVO bewusst, da er oder sie im Rahmen des Einsatzes dieses Sys- tems über die Zwecke und Mittel der Verarbeitung bestimmt.		
Es bestehen jeweils die erforderlichen Rechtsgrundlagen für die unterschiedli- chen Verarbeitungen personenbezogener Daten durch den selbst betriebenen Dienst.		
Der Verantwortliche setzt für Betrieb und Wartung ausreichende technische und personelle Kapazitäten ein.		
Der Verantwortliche ergreift geeignete technische und organisatorische Maßnahmen zum Schutz der Daten.		
3.2 Betrieb durch einen externen IT-Dienstleister		
Der Verantwortliche (im Folgenden auch: der Veranstalter) hat einen wirksamen Vertrag zur Auftragsverarbeitung nach Art. 28 DS-GVO mit dem IT-Dienstleis- ter abgeschlossen.		
Der Auftragsverarbeiter (im Folgenden auch: der Anbieter) bietet hinreichende Garantien zu den erforderlichen technischen und organisatorischen Maßnahmen (Art. 28 Abs. 1 DS-GVO).		
Die eingesetzte oder Teilnehmenden angebotene Software wurde auf Datenab- flüsse überprüft. Dies schließt Diagnose- und Telemetriedaten oder sonstige Da- tenabflüsse z.B. an Hersteller ein.		
Entsprechende Datenabflüsse wurden unterbunden, soweit nicht eine Rechts- grundlage hierfür besteht.		
3.3 Online-Dienst		
Im Falle einer Verarbeitung zu eigenen Zwecken durch den Anbieter verfügt der Veranstalter für jede Offenlegung personenbezogener Daten an den Anbieter über eine Rechtsgrundlage.		
Der Anbieter verfügt für jede Verarbeitung personenbezogener Daten in eigener Verantwortlichkeit über eine Rechtsgrundlage.		
Die Notwendigkeit einer Vereinbarung zur gemeinsamen Verantwortlichkeit		

Video conferencing: ← joint criteria as checklist

	1 6	meetzi	https://meetzi.de	meetzi – Auftragsverarbeitungs (AV)-Vertrag nach Art. 28 DS-GVO, Version 3 (14.12.2020) [Deutsch]
(v)		Microsoft Teams (unter Geltung der Online Service Terms, etwa als Teil von Microsoft 365 oder in der kostenfreien Version bei Anmeldung in einer Arbeits- oder Organisations- umgebung)	https://www.microsoft. com/de-de/microsoft- <u>365/microsoft-</u> teams/group-chat- <u>software</u>	Anhang zu den Datenschutzbestimmungen für Microsoft-Onlinedienste Januar 2020 [Deutsch] – Dateiversionen (laut Metadaten) vom 3.1.2020 und 9.6.2020 (Version ist im Dokument selbst nicht ersichtlich); Microsoft-Onlinedienste Nachtrag zum Datenschutz, Letzte Aktualisierung: 21. Juli 2020 [Deutsch]; Additional Safeguards Addendum to Standard Contractual Clauses (Reference Copy gemäß Ankündigung November 2020) [Englisch]; Microsoft Online Services Data Protection Addendum, Last updated December 9, 2020 [Englisch]
7		Microsoft Teams (kostenlose Version ohne Anwendbarkeit der Online Service Terms, also nicht bei Anmeldung in einer Arbeits- oder Organisations- umgebung)	https://www.microsoft. com/de-de/microsoft- 365/microsoft- teams/group-chat- software	Microsoft-Servicevertrag gültig ab 1. Oktober 2020, Datenschutzerklärung von Microsoft Letzte Aktualisierung: Januar 2021 [Deutsch]
		NETWAYS Web Services Jitsi	https://nws.netways.de/ de/apps/jitsi/	AVV v1.7 [Deutsch]
		OSC BigBlueButton	https://www.open- source-company.de/ bigbluebutton-hosting/	Vertrag zur Verarbeitung von personenbezogenen Daten im Auftrag, Version 1.6 (Stand 16.12.2020) [Deutsch]
		sichere- videokonferen z.de	https://sichere- videokonferenz.de	Vertrag über die Auftragsverarbeitung personenbezogener Daten nach EU Datenschutz- Grundverordnung Stand 06/2020 [Deutsch]

https://www.datenschutz-berlin.de/fileadmin/user_upload/pdf/orientierungshilfen/2021-BlnBDI-Hinweise_Berliner_Verantwortliche_zu_Anbietern_Videokonferenz-Dienste.pdf



Example: camera-equipped cars in Germany 2008 / 2020

SPIEGEL International

Privacy Concerns

German Towns Saying 'Nein' to Google 'Street View'

Google's corporate slogan might be "don't be evil," but some communities in northwestern Germany see something nefarious in the company's photographing all their streets and

houses. If they get their way, they will remain black ho the universe.

Are there complaints?

29.09.2008, 17.11 Uhr

Google's mission "to organize the world's information" has just met a formidable foe in the form of the town of Molfsee near Kiel in the northwestern German state of Schleswig-Holstein.

The picturesque, but not picture-friendly town hopes to block the Internet giant from filming its streets and the houses of its fewer than 5,000 inhabitants for its

"Street View" program -- a service that provides 360-degree, street level images via the Google Maps search engine.

"We are not going to let this happen," Reinhold Harwart, the leader of the CDU on the town council, told the *Lübecker Nachrichten* daily Sunday. "You can see everything in those photos! That is opening house and home to criminals!"

https://www.spiegel.de/international
/germany/privacy-concerns-germantowns-saying-nein-to-google-streetview-a-581177.html

Is it a structural problem? Do we need a structural solution? Who to address?

What about other member states?

Laudator: Dr. Thilo Weichert

The BigBrotherAward 2020 in the "Mobility" Category goes to

CBROTHER AWARDS de

Press

Support

Autos überwachen

öffentlichen Raum!

Contact

Tesla Inc., represented by Tesla Germany GmbH in Munich,

not for the logging of a Brandenburg forestry to build their new plant, and not for the accidents caused by inattentive drivers who overtrusted Tesla's assistance systems.

Tesla receives this award for marketing cars that extensively and perpetually surveil their passengers and car surroundings. The data obtained is constantly analysed and can be used for any purpose.

https://bigbrotherawards.de/en/2020 /mobility-teslan

Enforcing Data Protection by D



GDPR: highest fines

Statistics: Highest individual fines (Top 10)

The following statistics shows the highest individual fines imposed to date per data controller (only top 10 fines).

	Controller	Sector	Country	Fine [€]	Type of Violation	Date
1	Amazon Europe Core S.à.r.l.	Industry and Commerce	LUXEMBOURG	746,000,000	Non-compliance with general data processing principles	16 Jul 2021
2	WhatsApp Ireland Ltd.	Media, Telecoms and Broadcasting	IRELAND	225,000,000	Insufficient fulfilment of information obligations	02 Sep 2021
3	Google LLC	Media, Telecoms and Broadcasting	FRANCE	90,000,000	Insufficient legal basis for data processing	31 Dec 2021
4	Facebook Ireland Ltd.	Media, Telecoms and Broadcasting	FRANCE	60,000,000	Insufficient legal basis for data processing	31 Dec 2021
5	Google Ireland Ltd.	Media, Telecoms and Broadcasting	FRANCE	60,000,000	Insufficient legal basis for data processing	31 Dec 2021
6	Google LLC	Media, Telecoms and Broadcasting	FRANCE	50,000,000	Insufficient legal basis for data processing	21 Jan 2019
7	H&M Hennes & Mauritz Online Shop A.B. & Co. KG	Employment	GERMANY	35,258,708	Insufficient legal basis for data processing	01 Oct 2020
8	TIM (telecommunications operator)	Media, Telecoms and Broadcasting	ITALY	27,800,000	Insufficient legal basis for data processing	15 Jan 2020
9	Enel Energia S.p.A	Transportation and Energy	ITALY	26,500,000	Insufficient legal basis for data processing	16 Dec 2021
10	British Airways	Transportation and Energy	UNITED KINGDOM	22,046,000	Insufficient technical and organisational measures to ensure information security	16 Oct 2020

https://www.enforcementtracker.com/?insights





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Data Protection by Design & by Default

- Art. 25 GDPR
- Targeted at controllers
- Producers of IT systems "should be encouraged" (Rec. 78)

Art. 25 Data Protection by Design and by Default

- 1. Taking into account the state of the art, the cost of implementation and the nature, scope, context and purposes of processing as well as the risks of varying likelihood and severity for rights and freedoms of natural persons posed by the processing, the controller shall, both at the time of the determination of the means for processing and at the time of the processing itself, implement appropriate technical and organisational measures, [...] which are designed to implement <u>data-protection</u> principles [...], in an effective manner [...]
- Objective: to design systems + services from early on, for the full lifecycle ...
 a) ... in a data-minimising way
 b) ... with the most data protection-friendly pre-settings



Data Protection by Design & by Default

- Art. 25 GDPR
- Targeted at controllers
- Producers of IT systems "should be encouraged" (Rec. 78)

Art. 25 Data Protection by Design and by Default

 The controller shall implement appropriate technical and organisational measures for ensuring that, by default, only personal data which are necessary for each specific purpose of the processing are processed.
 That obligation applies to the amount of personal data collected, the extent of their processing, the period of their storage and their accessibility. [...]

 Objective: to design systems + services from early on, for the full lifecycle ...
 a) ... in a data-minimising way
 b) ... with the most data protection-friendly pre-settings



Data Protection Principles – Art. 5 GDPR

Art. 5 GDPR – Principles relating to processing of personal data

(1)

Design requirements

- a) Lawfulness, fairness and
- transparency
- b) Purpose limitation
- c) Data minimisation
- d) Accuracy
- e) Storage limitation
- f) Integrity and confidentiality (~ security)

Technical and organisational measures



(2) Accountability





Data minimisation + **Unlinkability**

Source: ivanacoi via Pixabay

Please, help me!

Sourde: geralt via Pixabay

Intervenability

Limit data collection, separation of domains, purpose binding, encryption, anonymisation, pseudonymisation

E.g. help desk, deactivation, rectification, objection, legal redress, no automated

> decisions/reversal of decisions, liability ...









Main goals:

- Fairness
- Mitigating the risk for the rights and freedoms of natural persons



How important is the state of the art?

- <u>Only one</u> of the criteria, but usually sought: standard market solutions
- The "D" in R & D
- Not to underestimate: open source code
- Considering PETs: see "Readiness Analysis for the Adoption and Evolution of Privacy Enhancing Technologies", ENISA 2015
 - https://www.enisa.europa.eu/publications
 /pets (2015)
 - https://www.enisa.europa.eu/publications /enisa2019s-pets-maturity-assessmentrepository (2019)









Examples: MD5, Windows XP, ...



PET Maturity: Readiness Scale







PET Maturity: Quality Scale







PET Maturity: Quality Scale







PET Maturity: Quality Scale





PET Maturity Scale: What does Art. 25 GDPR ask for?





Scope: the entire processing system (not one PET component only)



How does "excellence" count?



Usually compliance only means "good enough" considering the risk

Possible to advance the state of the art

via Pixabay





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ICT design with data protection?

- "Data protection" as the starting point? (Art. 25 (2) GDPR) – Rarely done
- "Addictive Design"





Source: rawpixel via Pixabay

• "Dark Patterns"


Unfair "Dark Patterns" – Report of Forbrukerrådet

Example: Facebook's face biometrics configuration



Forbrukerrådet: "Deceived by Design", 2018 (p. 23) https://www.forbrukerradet.no/undersokelse/no-undersokelsekategori/deceived-by-design/



Problems in Enforcement: Big Players

<u>Ireland</u> is the primary GDPR enforcer for Big Tech.

2 393 Scale: count of complaints referred to lead authorities by other DPAs May 2018-May 2021



Video: play above, or share from https://vimeo.com/601138490.

https://www.iccl.ie/digital-data
/2021-gdpr-report/



Problems in Enforcement: Big Players

Too few tech specialist staff to police tech

Europe's DPAs are not configured for the digital era, and continue to lack the capacity to investigate and understand what tech companies do with people's data.

The findings

- EU Member State DPAs claim a **combined total of 293 tech specialists**. This number does not include IT support staff.
- Only 5 EU Member States have more than 10 tech specialists, but more than half (15) have only 4 or fewer.
- The UK ICO (not in chart because of Brexit) is the largest single DPA, but only 13 people (1.7% of its full time staff) are in its "cyber" investigations team.



https://www.iccl.ie/wp-content/uploads/2021/09/Europes-enforcement-paralysis-2021-ICCL-report-on-GDPR-enforcement.pdf, S. 10



Big Tech = Infrastructures - which competent authority?



via Pixabay

Big Tech: Data hungry business models – "Re-interpretation of the GDPR?"

Example: ECJ case on Facebook Fanpages

• More than 10 years, 6 instances

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• Decision in 2022 on case from 2011: still valid? How to translate?





Abstract wording in the GDPR needs clarification – building stable pathes









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Compensation under Art. 82 GDPR

LG München I, Urteil vom 9. Dezember 2021 – 31 O 16606/20, BeckRS 2021, 41707

(Klagewelle wegen Schadensersatz nach Datenschutzverstoß?)

۱,		Ergebnis	✓ EUR 2.500
		Sachverhalt	Datenabfluss aufgrund eines Datenlecks, u.a. von Konto- und
			Ausweisdaten, bei einem Finanzdienstleistungsunternehmen.
€		DSGVO-Verstoß	Verstoß gegen Art. 32 DSGVO (Sicherheit der Verarbeitung), da
			keine ausreichenden organisatorischen Maßnahmen
			vorgenommen worden seien, um den Datenabfluss zu
			verhindern.
		Schadensersatz	
			Bei Einhaltung der Maßstäbe der DSGVO wäre der Schaden,
			dass dem Kläger u.a. Identitätsmissbrauch droht, vermeidbar
			gewesen.
			✓ / —
			Da die Beklagte selbst keine ausreichenden organisatorischen
			tMaßnahmen vorgenommen habe, ließ das Gericht eine etwaige
			Zurechnung ähnlicher Unterlassungen bei Drittunternehmen
			offen.
		L	1

https://www.cmshs-bloggt.de/tmc/datenschutzrecht/dsgvo-schadensersatz-uebersicht-ueber-aktuelle-urteile-undentwicklungen-laufend-aktualisiert/ https://oj.is/2381711 Enforcing Data Protection by Design & by Default

Data breach, 33.200 persons concerned.

33.200 * 2.500 € = 83.000.000 €



Structural complaints with Legal Tech initiatives



You HATE cookie banners too?

noyb aims to end "cookie banner terror" and issues more than 500 GDPR complaints

May 31, 2021

Today, noyb.eu sent over 500 draft complaints to companies who use unlawful cookie banners - making it the largest wave of complaints since the GDPR came into force.





noyb files 422 formal GDPR complaints on nerve-wrecking "Cookie Banners"

Aug 10, 2021

Today we filed 422 + 36 complaints on "cookie banners" with ten European Data Protection Authorities.

Read more



More Cookie Banners to go: Second wave of complaints underway

Mar 04, 2022

noyb launched the second round of its action against deceptive cookie banners. The first wave already brought visible improvements in banner design.

Read more

https://noyb.eu/en/project
/cookie-banners



Structural complaints with Legal Tech initiatives





https://noyb.eu/en/project/national-administrative-procedure https://noyb.eu/en/project /cookie-banners Enforcing Data Prote

ULD

Translating the GDPR into practice with data protection by design









Researchers and DPAs:

Publish! Communicate! Advance the state of the art!

- Data protection by design and by default to be demanded by controllers
- Effects on manufacturers
- International enforcement
- Fast track court decisions
- Easy solutions for ~99 % of the cases
- Invest in ...
 - Education
 - Mature alternatives
 - Supportive tools & environments for development
 - Standardisation







Overview

- 1. Data protection law and its objectives
- 2. Enforcement of the GDPR: task of the Data Protection Authorities
- 3. Art. 25 GDPR: Data Protection by Design & by Default
- 4. Status quo & difficulties
- 5. Further levers & wishlist
- 6. Conclusion







Source: congerdesign via Pixabay

Conclusion

- The GDPR exists. And won't go away.
- DPA investigations currently driven by individual complaints – often less structural relevance
- DPA decisions are legally challenged especially by big players → slowing down compliance and demotivating role models
- Data protection by design needs further support
- Translation of the GDPR needs knowledge about risks and solutions



Our joint task: Bridging the gap between technology and (data protection) law





Source: Free-Photos via Pixabay



Looking forward to our Q & A

Source: Gerd Altmann via Pixabay



Further information

- Datatilsynet (Norwegian Data Protection Authority): Software development with Data Protection by Design and by Default, 28.11.2017, <u>https://www.datatilsynet.no/en/about-privacy/virksomhetenes-plikter/innebygd-personvern/data-protection-by-design-and-by-default/</u>
- Jaap-Henk Hoepman: Privacy Design Strategies (The Little Blue Book), 2018-2019, https://www.cs.ru.nl/~jhh/publications/pds-booklet.pdf
- European Data Protection Board: Guidelines 4/2019 on Article 25 Data Protection by Design and by Default, Version 2.0, 20.10.2020, <u>https://edpb.europa.eu/our-work-tools/our-documents/guidelines/guidelines-42019-article-25-data-protection-design-and_en</u>
- Standard Data Protection Model: A method for Data Protection advising and controlling on the basis of uniform protection goals, 2020 (last revision: V 2.0b), <u>https://www.datenschutzzentrum.de/uploads/sdm/SDM-Methodology_V2.0b.pdf</u>
- European Union Agency for Cybersecurity (ENISA) on Data Protection: <u>https://www.enisa.europa.eu/topics/data-protection</u>