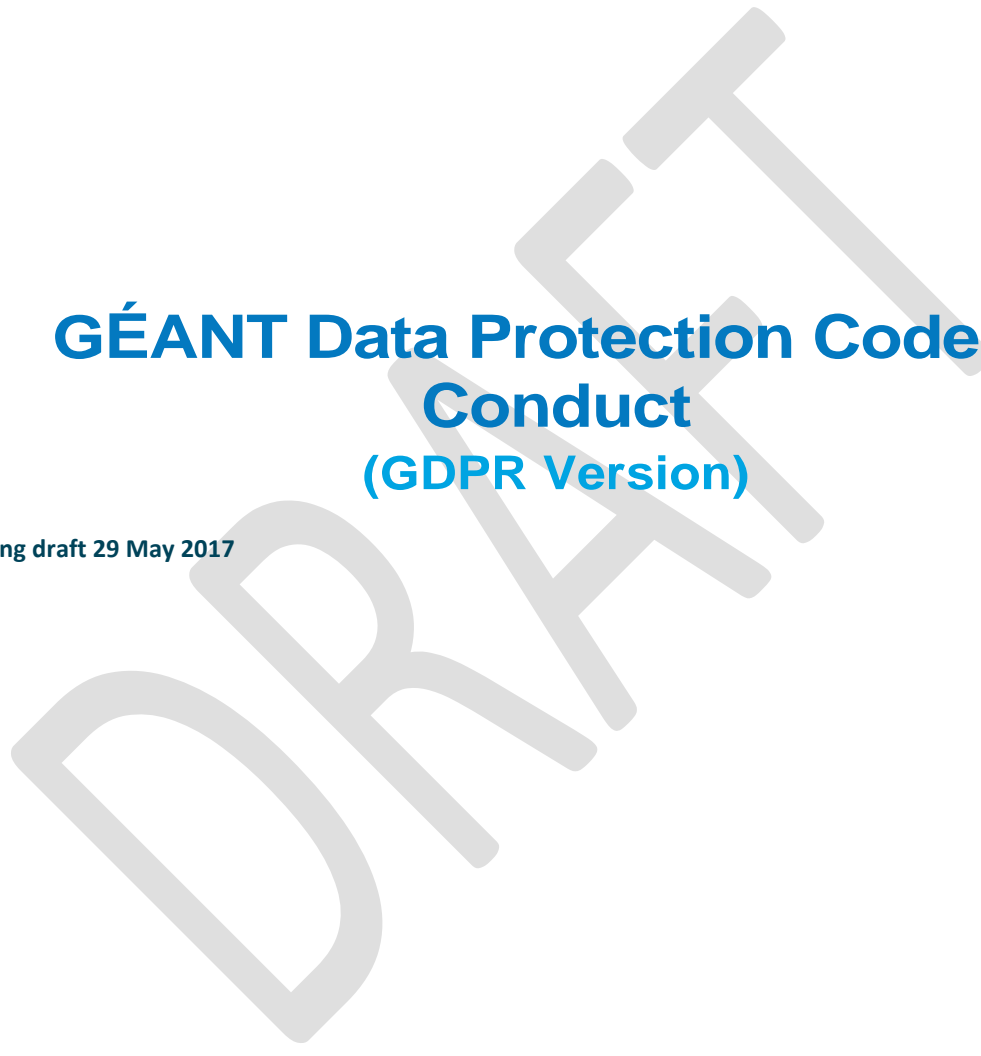


1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23

# **GÉANT Data Protection Code of Conduct (GDPR Version)**

**Working draft 29 May 2017**



24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50



The work leading to this Code of Conduct has received funding from the European Community's Horizon2020 programme under Grant Agreement No. 731122 (GN4-2). This work is © 2012-2017 GÉANT Ltd, used under a Creative Commons Attribution ShareAlike license (CC BY-SA 3.0)

51	<b>TABLE OF CONTENTS</b>	
52	Table of contents .....	3
53	Purpose of this Code of Conduct .....	5
54	Who can ADHERE this code of conduct? .....	6
55	Scope .....	6
56	Roles of the parties involved .....	7
57	Principles of the Processing of attributes .....	8
58	a. Legal compliance .....	8
59	b. Purpose limitation .....	9
60	c. Data minimization .....	10
61	d. Deviating purposes .....	12
62	e. Data retention .....	12
63	f. Respect the End User's rights .....	14
64	g. Transfer of personal data to third parties.....	14
65	h. Security measures .....	15
66	i. Information duty towards Home Organisation.....	16
67	j. Security Breaches.....	16
68	k. Liability .....	17
69	l. Transfer to third countries.....	17
70	m. Governing law and jurisdiction .....	18
71	n. Eligibility.....	19
72	o. Termination of the Code of Conduct .....	20
73	p. Survival of the clauses .....	20
74	q. Precedence .....	20
75	Consent.....	21
76	Appendix 1: Information duty towards End Users .....	<b>Error! Bookmark not defined.</b>

77	How to develop a privacy policy .....	<b>Error! Bookmark not defined.</b>
78	Privacy Policy Template .....	<b>Error! Bookmark not defined.</b>
79	How the Home Organisation should inform the End User on the Attribute release..	<b>Error! Bookmark not defined.</b>
80	Law requirements .....	<b>Error! Bookmark not defined.</b>
81	Informing the end user (“INFORM interaction”) .....	<b>Error! Bookmark not defined.</b>
82	Obtaining END USER’S consent .....	<b>Error! Bookmark not defined.</b>
83	General Principles for informing the user .....	<b>Error! Bookmark not defined.</b>
84	Recommendations.....	<b>Error! Bookmark not defined.</b>
85	Internationalization .....	<b>Error! Bookmark not defined.</b>
86	Sample notification.....	<b>Error! Bookmark not defined.</b>
87	Appendix 2: Information Security, technical and organisational guidelines for Service Providers .....	30
88	Normative Assertions .....	30
89	1 Operational Security [OS] .....	30
90	2 Incident Response [IR] .....	31
91	3 Traceability [TR] .....	31
92	4 Participant Responsibilities [PR] .....	31
93	References .....	32
94	Appendix 3: Handling non-compliance of service providers .....	33
95	Introduction.....	33
96	Examples of SP non-compliance .....	33
97	Code of Conduct monitoring body .....	34
98		

99 **PURPOSE OF THIS CODE OF CONDUCT**

100

101 This Code of Conduct related to the sector of access management in the European Research Area is ruled  
102 by the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the  
103 protection of natural persons with regard to the processing of personal data and on the free movement of  
104 such data (General Data Protection Regulation, GDPR), and repealing Directive 95/46/EC.<sup>1</sup>

105 This Code of Conduct complies with the data protection principles stemming from the General Data  
106 Protection Regulation, taking account the specific characteristics of the processing carried out in the  
107 academic sector, and respecting the national provisions adopted by member states.

108 The Code of Conduct presents a harmonized approach to which Service Providers can commit when  
109 receiving End Users' personal data from the Home Organisations. Home Organisations will feel more  
110 comfortable to release affiliated End-User personal data to the Service Provider if they can see that the  
111 Service Provider has taken measures to properly protect the data.

112 This Code of Conduct constitutes a binding community code for the Service Providers that have  
113 committed to it.

114 Without prejudice to the provisions as set forth in the agreement between the **Home Organisation** and  
115 the **Service Provider**, which in all cases takes precedence, this Code of Conduct sets the rules that  
116 Service Providers adhere to when they want to receive End Users' Attributes from **Home Organisations**  
117 or their Agent for enabling access to their services.

118 This Code includes three appendices, detailing best practices on how to adhere to the rules of the Code.

119 These appendices relate to:

- 120 (1) information duties towards **End Users**,
- 121 (2) information security guidelines for **Service Providers** and,
- 122 (3) enforcement procedures for non-compliance with the Code of Conduct.

123 Following article 40.2 of the GDPR, the following principles and rules will apply to the whole Code of  
124 Conduct:

- 125 (a) fair and transparent processing;
- 126 (b) the legitimate interests pursued by controllers in specific contexts;
- 127 (c) the collection of personal data;

---

<sup>1</sup> For further information regarding the purposes of this Code of Conduct, see the Explanatory Memorandum GEANT Code of Conduct of 16 May 2017;

- 128 (d) the pseudonymisation of personal data;
- 129 (e) the information provided to the public and to data subjects;
- 130 (f) the exercise of the rights of data subjects;
- 131 (g) the measures and procedures referred to in Articles 24 and 25 of the GDPR and the measures  
132 to ensure security of processing referred to in Article 32 of the GDPR;
- 133 (h) the notification of personal data breaches to supervisory authorities and the communication of  
134 such personal data breaches to data subjects;
- 135 (i) the transfer of personal data to third countries or international organisations; or
- 136 (j) out-of-court proceedings and other dispute resolution procedures for resolving disputes  
137 between controllers and data subjects with regard to processing, without prejudice to the rights of data  
138 subjects pursuant to Articles 77.

139

#### 140 WHO CAN ADHERE THIS CODE OF CONDUCT?

141

142 This Code of Conduct is addressed to any **Service Provider** established in any of the Member States of  
143 the European Union and in any of the countries belonging to the European Economic Area (all the  
144 Member States of the European Union, Iceland, Liechtenstein and Norway).

145 Furthermore, **Service Providers** established in any third country offering an adequate level of data  
146 protection in the terms of the article 45 of the GDPR and International Organisations can also subscribe to  
147 this Code of Conduct.

148 In addition to this, Article 40.3 of the GDPR gives the opportunity to **Service Providers** that do not fall  
149 under the territorial scope of the Regulation (Article 3, territorial scope) and that are established outside  
150 of the EEA to join this Code of Conduct in order to provide appropriate safeguards within the framework  
151 of transfers of personal data to third countries or international organisations under the terms referred to in  
152 point (e) of Article 46(2)..

153

#### 154 SCOPE

155

156 This Code of Conduct is limited to the processing of **Attributes which are released for enabling access**  
157 **to the Service** as described in clause b. Purpose limitation.

158 In case the Service Provider uses the attributes for purposes other than enabling access to the service,  
159 these activities fall out of the scope of this Code of Conduct.

160

161 **ROLES OF THE PARTIES INVOLVED**

162 This Code of Conduct is addressed to Service Providers acting as data controllers without prejudice of the  
163 processing agreement between the Service Provider and the Home Organisation as described in clause q.  
164 Precedence.

165 In the context of this Code of Conduct:

- 166 1. A **Home Organisation** acts as a data controller as to the wider relationship with the **End User**,  
167 for example operating the IdP server in respect of the **Attributes**. An Agent who operates the IdP  
168 server on behalf of the **Home Organisation** acts as a data processor. This includes also the  
169 Federation Operators who operate a (potentially centralised) IdP server on behalf of the **Home**  
170 **Organisation**.
- 171 2. A **Service Provider** acts as a data controller in respect of the **Attributes**, processing them for the  
172 purposes as described in the clause b. Purpose limitation. In certain circumstances a **Service**  
173 **Provider** may be acting as a data processor, acting on behalf and as instructed by the **Home**  
174 **Organisation**.
- 175 3. An **End User** acts as a data subject whose personal data are being processed for the purposes as  
176 described in clause b. Purpose limitation.

177

178 As far as the disclosure of the **Attributes** of the **End User** is concerned, the **Service Provider** is obliged  
179 to comply with the obligations of the Code of Conduct.

180 The processing of the **Attributes** by the **Service Provider** for enabling access to the service is further  
181 explained in the Service-related Privacy Policy.

182 In the case that a Federation and a Federation operator do not process the **Attributes** of the **End User**, no  
183 specific privacy policy needs to be put in place between the End User and the Federation Operator.

184

185

186

187

188

189

190

191

## PRINCIPLES OF THE PROCESSING OF ATTRIBUTES

To the extent the **Service Provider** acts as a data controller, it agrees and warrants:

### A. LEGAL COMPLIANCE

The Service Provider warrants to only process the Attributes in accordance with: this Code of Conduct, contractual arrangements with the Home Organisation or the relevant provisions of the Personal Data protection law applicable to the Service Provider,

Where the Service Provider processes the Attributes, the Service Provider shall comply with:

1. the processing agreement between the Home Organisation and the Service Provider
2. the provisions of this Code of Conduct; and
3. applicable Data Protection Laws

All personal data processing activities carried out in this context shall comply with the GDPR.

The **Service Provider** based in the EEA territory commits to process the End User's **Attributes** in accordance with the applicable European data protection legislation. In principle, a Service Provider established in the EEA territory, subject to the European Data Protection legislation, shall not find himself in a situation where their national data protection laws would contradict this Code of Conduct.

The **Service Provider** based outside the EEA commits to process the End User's Attributes in accordance with the GDPR, this Code of Conduct and the eventual contractual arrangements (e.g: EU model clauses).

The **Service Provider** is expected to examine if any point in this Code of Conduct enters into conflict with the national data protection laws of his jurisdiction. In case of conflict of laws, the national law of his jurisdiction should be applicable and the Service Provider shall not commit to the Code of Conduct.

**Service Providers** established outside the EEA territory but in a country offering an adequate data protection pursuant to Article 45 of the GDPR, should assess the compliance of this Code of Conduct with their local laws. The **Service Provider** shall not commit to the Code of Conduct.

As far as Service Providers established in countries outside the EEA territory without offering an adequate level of protection pursuant to Article 45 of the GDPR are concerned, they shall, together with this Code of Conduct, engage on binding and enforceable commitments to apply the appropriate safeguards, including as regards data subjects' rights.

**Service Providers** may be subject to internal regulations and policies of Intergovernmental Organisations.

Regarding the applicable law,, see clause m. Governing law and jurisdiction.



220 In the event of conflict between the provisions of this Code of Conduct and the provisions of a contractual  
221 arrangement with the Home Organisation, see clause q. Precedence

222

## 223 B. PURPOSE LIMITATION

224

The **Service Provider** warrants processing **Attributes** of the **End User** solely for the purposes of enabling access to the services.

225 The Service Providers agree that the End User's personal data is processed for the purposes of the  
226 legitimate interests pursued by the Service Provider. The **Attributes** shall not be further processed in a  
227 manner which is not compatible with the initial purposes (Article 5.b of the GDPR).

228 The Service Provider must ensure that **Attributes** are used only for enabling access to the service. As far  
229 as the use of **Attributes** deviating purposes is concerned, please, see clause d. Deviating purposes

230

The Service Provider commits not to process the **Attributes** for further purposes than enabling access, unless the End User has given prior consent to the Service Provider (see Consent ).

231

232 .

233 In practice, enabling access to the service covers:

234 • **Authorisation:** i.e. managing **End User's** access rights to services provided by the **Service**  
235 **Provider** based on the **Attributes**. Examples of such **Attributes** are those describing the End  
236 User's **Home Organisation** and organisation unit, their role and position in the **Home**  
237 **Organisation** (whether they are university members, students, administrative staff, etc.) and, for  
238 instance, the courses they are taking or teaching. The provenance of those **Attributes** is important  
239 for information security purposes; therefore, authorisation cannot be based on an **Attribute** that a  
240 user has self-asserted.

241 • **Identification** i.e. **End Users** need to have a personal account to be able to access their own files,  
242 datasets, pages, documents, postings, settings, etc. The origin of an **Attribute** used for  
243 identification is important; to avoid an identity theft, one cannot self-assert their own identifier.  
244 Instead, the Identity Provider server authenticates them and provides the **Service Provider** an  
245 **Attribute** that contains their authenticated identifier.

- 246 • **Transferring real-world's trust** to the online world i.e. if the **Service Provider** supports a user  
247 community that exists also in the real world, **Attributes** can be used to transfer that community to  
248 the online world. For instance, if the members of the user community know each other's by name  
249 in the real world, it is important that their names (or other identifiers) are displayed also in any  
250 discussion or collaboration forum offered by the **Service Provider**. The source of those  
251 **Attributes** is important; to avoid identity theft, one cannot assume user's name to be self-asserted  
252 but retrieved from a trustworthy source.
  
- 253 • **Researcher unambiguity** i.e. ensuring that a researcher's scientific contribution is associated  
254 properly to them and not to a wrong person (with potentially the same name or initials). In the  
255 research sector, publishing scientific results is part of researchers' academic career and the  
256 researchers expect to receive the merit for their scientific contribution. There are global  
257 researcher identification systems (such as ORCID and ISNI) which assign identifiers for  
258 researchers to help scientific Service Providers to properly distinguish between researchers, even  
259 if they change their names or organisation they are affiliated with.
  
- 260 • **Accounting and billing:** Personal data can be processed for accounting (for instance, that the  
261 consumption of resources does not exceed the resource quota) and billing purposes. In the  
262 research and education sector, the bill is not always paid by the End User but by their Home  
263 Organisation, project, grant or funding agency.
  
- 264 • **Information Security:** personal data can be processed for ensuring the integrity, confidentiality  
265 and availability of the service (e.g.: incident forensic and response)
  
- 266 • **Other functionalities** offered by the **Service Provider** for enabling access to the services, i.e.  
267 using **Attributes** of users for the purposes of other functionalities offered by the Service Provider.  
268 It is common that services on the Internet send e-mail or other notifications to their users  
269 regarding their services. Examples of scenarios where processing End User's email address or  
270 other contact detail falls within the scope of enabling access to the service include for instance:
  - 271 ■ the End User's application to access the resources has been approved by  
272 the resource owner;
  - 273 ■ the End User's permission to use a resource is expiring or they are  
274 running out of the resource allocation quota;
  - 275 ■ someone has commented the End User's blog posting or edited their wiki  
276 page.
  
- 277 Conversely, processing End User's e-mail address for sending them commercial or unsolicited messages  
278 does not fall within the scope of enabling access to the service of the **Service Provider**.

279

## 280 C. DATA MINIMIZATION

281

The Service Provider warrants to minimise the Attributes requested from a **Home Organisation** to those that are adequate, relevant and not excessive for enabling access to the service and, where a number of Attributes could be used to provide access to the service, to use the least intrusive Attributes possible.

282

283 The following list presents examples of attributes that are **adequate, relevant and not excessive** for  
284 enabling access in the context of the service:

285 • an attribute (such as, eduPersonAffiliation, eduPersonEntitlement or schacHomeOrganisation)  
286 indicating the End User's permission to use the service:

287       ▪ a trusted value provided by the IdP is needed instead of a value self-  
288 asserted by the End User

289 • an attribute (such as, SAML2 PersistentId) uniquely identifying the End User required, for  
290 instance, to store the End User's service profile:

291       ▪ a trusted value provided by the IdP is needed. The End User cannot self-  
292 assert their unique identifier

293 • if there are several alternative unique identifiers available for the service, the least intrusive must  
294 be used

295       ▪ pseudonymous bilateral identifier (such as, SAML2 persistentId) is  
296 preferred

297       ▪ if there is a legitimate reason to match the same End User's accounts  
298 between two Service Providers, a Service Provider can request a more  
299 intrusive identifier (such as eduPersonPrincipalName or  
300 eduPersonUniqueID), whose value for a given user is shared by several  
301 Service Providers

302       ▪ if there is a legitimate reason for an End User (such as, a researcher) to  
303 keep their identity and profile in the Service Provider even when the  
304 organisation they are affiliated with changes, a permanent identifier  
305 (such as, ORCID identifier) can be used

306 • a name attribute (such as commonName or DisplayName attribute) is necessary for a wiki or  
307 other collaboration platform, if the End Users know each other in real life and need to be able to  
308 transfer their existing real-world trust to an online environment.

309       ▪ if knowing the contributor's name is important for the collaboration, the  
310 name can be released.

311       ▪ otherwise, the user may be indicated as "unknown" or a pseudonym the  
312 user has selected or the system has assigned to him/her.

- 313 • e-mail address or other contact details, if it is necessary to contact the **End User** for the proper  
314 functioning of the services offered by the **Service Provider**.

315 In the context of this Code of Conduct, under no circumstances a **Service Provider** is authorized to  
316 request End User's Personal Data revealing racial or ethnic origin, political opinions, religious or  
317 philosophical beliefs, trade-union membership, genetic data, biometric data for the purposes of uniquely  
318 identifying a natural person or data concerning health or sex life or sexual orientation.

319

#### 320 D. DEVIATING PURPOSES

321

The Service Provider commits not to process the Attributes for further purposes than enabling access, unless the End User has given prior consent to the Service Provider (see Consent ).

322

323 If the Service Provider wants to use the Attributes for purposes other than “enabling access to the service”  
324 (see clause b. Purpose limitation), it can only do so only if the End User gives his or her consent to the  
325 Service Provider.

326 Examples of deviating purposes<sup>2</sup> are: including End User's e-mail address to a newsletter offering new  
327 services, selling the Attributes to third parties, transferring information to third parties such as the search  
328 history, profiling activities etc.

#### 329 E. DATA RETENTION

330

The Service provider shall delete or anonymize all **Attributes** as soon as they are no longer necessary for the purposes of providing the service.

331 Under the GDPR, anonymized data does not constitute personal data; therefore, anonymized data can be  
332 kept indefinitely.

---

<sup>2</sup> Consult Article's 29 Working Party [Opinion 03/2013 on purpose limitation](#). This document can guide the Service Provider to ascertain whether the purpose for the processing of the personal data is compatible or not.

333 The retention period of the **Attributes** depends on the particularities of the service and it needs to be  
334 decided by the **Service Provider**. However, a **Service Provider** shall not store the **Attributes** for an  
335 unlimited or indefinite period of time.

336 The **Service Provider** has to implement an adequate data retention policy compliant with the GDPR and  
337 other applicable data protection legislation. The existence of this policy must be communicated in the  
338 Service Provider's privacy policy (see clause i. Information duty towards Home Organisation).

339 For instance, the **Attributes** could be deleted after the expiration of the **End User's** session in the web  
340 service. On the other hand, for other services, it may be necessary to store the **Attributes** for a longer  
341 period of time.

342 In principle the data must be deleted or anonymised if the **End User** (or their **Home Organisation**) no  
343 longer wishes to use the service.

344 However, in many cases, the **End User** does not explicitly inform the **Service Provider** that they no  
345 longer wish to use the service, they just do not log in to the service anymore. In this case it is considered  
346 as a good practice to delete or anonymise the **End User's** personal data if they have not logged in for 18  
347 months.

348 On the other hand, there are also circumstances where an **End User** not signing in does not necessarily  
349 mean that they no longer wish to use the service. The **Service Provider** shall implement appropriate  
350 processes to manage this type of situations. For instance:

- 351 • if the service is an archive for scientific data, the researchers who deposit their datasets to the  
352 archive may still remain the owners or custodians of the dataset although they do not log in for a  
353 while.
- 354 • if the service is a Git (a widely used source code management system) an **End User** uses to  
355 publish their computer program code, the **End User** may still want to be able to log in and  
356 maintain their code, although they have not logged in for a while.
- 357 • if the service is a repository where researchers publish their scientific findings and contribution,  
358 the researchers still want to have their name and other **Attributes** attached to the finding,  
359 although they do not regularly log in.
- 360 • if the service is a collaborative application (such as, a wiki or a discussion board) where the **End**  
361 **User** has their name or other **Attribute** attached to their contribution to let the other users learn  
362 and assess the provenance of the contribution and attribute it to a specific person.

363 The Personal Data, including log files, do not need to be removed or anonymised as long as they are  
364 needed:

- 365 • for archiving purposes in the public interest, scientific or historical research purposes or statistical  
366 purposes;
- 367 • for compliance with a legal obligation which requires processing by International, European or  
368 Member State law to which the **Service Provider** is subject;
- 369 • for the performance of a task carried out in the public interest;

- 370 • for the establishment, exercise or defence of legal claims, such as resource allocation or invoices;
- 371 • for exercising the right of freedom of expression and information.

372

373 F. RESPECT THE END USER'S RIGHTS

The Service Provider shall respect End User's rights, including the right to access to personal data, the right to request correction of any inaccurate information relating to them and the right to request deletion of any irrelevant Personal Data the Service Provider holds about him or her.

374 G. TRANSFER OF PERSONAL DATA TO THIRD PARTIES

The Service Provider shall not to transfer Attributes to any third party (such as a collaboration partner) except:

- a) if mandated by the Service Provider for enabling access to its service on its behalf, or
- b) if the third party is committed to the Code of Conduct or has undertaken similar duties considered sufficient under the data protection law applicable to the Service Provider or
- c) if prior Consent has been given by the End User.

375 The Service Provider shall not transfer Attributes to any third party (such as a collaboration partner)

376 except:

- 377 a) if the third party is a data processor for the Service Provider in which case an ordinary
- 378 controller-processor relationship applies between the Service Provider and the third party
- 379 working on behalf of the Service Provider. The Service Provider must conclude a written
- 380 agreement with such data processor in accordance with applicable laws.
- 381
- 382 b) if the third party which is also committed to the Code of Conduct. This is expected to be the
- 383 case for various collaborative research scenarios, where the service is provided to the **End**
- 384 **User** by several data controllers working in collaboration.

385 A typical scenario is a proxy setup where a research collaboration has a **Service Provider**

386 that receives **Attributes** from **Home Organisations** and passes on (parts of) those **Attributes**

387 to third parties providing the actual or additional services. In that case, the proxy **Service**

388 **Provider** must make sure all third parties receiving Attributes are committed to the Code of

389 Conduct or similar.

390 In contrast, if none of the **Attributes** received from the **Home Organisation** are being passed

391 on, e.g. when only an internal identifier assigned by the proxy is sent to the third parties, the

392 proxy does not need to make sure those third parties are committed to the Code of Conduct.

393 In a Service Provider proxy set-up, the organisation acting as the proxy (and operating the  
394 proxy server) needs to assume a role as the intermediary between the **Home Organisation**  
395 and the third party. For instance, the proxy needs to relay the suspected privacy or security  
396 breaches to the **Home Organisation** or its Agent, as described in clause H. Security  
397 measures.

398 c) if prior consent has been given by the **End User** as described in Consent

399

## 400 H. SECURITY MEASURES

401

The **Service Provider** warrants taking appropriate technical and organisational measures to safeguard Attributes against accidental or unlawful destruction or accidental loss, alteration, unauthorized disclosure or access. These measures shall ensure a level of security appropriate to the risks represented by the processing and the nature of the data to be protected, having regard to the state of the art and the cost of their implementation.

402 The **Service Provider** shall implement the security measures described in Appendix 2: Information  
403 Security, technical and organisational guidelines for Service Providers. The Service Provider can also  
404 implement such additional security measures which, evaluated together, provide at least the same level of  
405 security as the level of security provided by the measures described in Appendix 2.

## 406 I. INFORMATION DUTY TOWARDS END USER

407

The **Service Provider** shall provide -at first contact- the **End User** with a Privacy Policy.

This Privacy Policy must be concise, transparent, intelligible and provided in an easily accessible form.

The Privacy Policy shall contain at least the following information:

- the name, address and jurisdiction of the **Service Provider**; where applicable
- the contact details of the data protection officer, where applicable;
- the purpose or purposes of the processing of the **Attributes**;
- a description of the **Attributes** being processed as well as the legal basis for the processing;
- the third party recipients or categories of third party recipient to whom the Attributes might be disclosed, and proposed transfers of **Attributes** to countries outside of the

European Economic Area;
<ul style="list-style-type: none"><li>• the existence of the rights to access, rectify and delete the <b>Attributes</b> held about the <b>End User</b>;</li><li>• the retention period of the <b>Attributes</b>;</li><li>• a reference to this Code of Conduct;</li><li>• the right to lodge a complaint with a supervisory authority;</li></ul>

408 The Privacy Policy can be, for instance, linked to the front page of the service. It is important that the  
409 **End User** can review the policy before they log in for the first time. The Privacy Policy shall use clear  
410 and plain language.

411 The **Service Provider** may include additional information, but must include as a minimum the  
412 information described above. The additional information could for example refer to the additional data  
413 processing activities of the **Service Provider**.

414 Additional processing activities must comply with the provisions of clause d. Deviating purposes and be  
415 included in the Privacy Policy

416 The Service Providers are advised to make use of the Privacy Policy template that belongs to the  
417 supporting material of the Code of Conduct in Appendix 1: Information duty towards End Users.

418

## 419 I. INFORMATION DUTY TOWARDS HOME ORGANISATION

420

The **Service Provider** commits to provide to the **Home Organisation** or its Agent at least the following information:

- a) a machine-readable link to the Privacy Policy;
- b) indication of commitment to this Code of Conduct;
- c) any relevant updates or changes in the local data protection legislation that may affect this Code of Conduct.

421 GÉANT has put in place a scalable technical solution allowing Service Providers to add their adherence  
422 to this Code of Conduct and to communicate its privacy policy's URL. This information is shared with  
423 the Home Organisation's Identity Provider server prior to sharing the End User's Attributes to the Service  
424 Provider.

425 The current technical infrastructure is based on standard SAML 2.0 metadata management and  
426 distribution system operated by Federation operators. However this Code of Conduct will apply despite  
427 the future changes in the technical infrastructure.



428

429

## J. SECURITY BREACHES

430

The **Service Provider** commits to, without undue delay, report all suspected privacy or security breaches, meaning any breach of security leading to the accidental or unlawful destruction, loss, alteration, unauthorised disclosure of, or access to, personal data transmitted, stored or otherwise processed concerning the **Attributes** to the **Home Organisation** or its Agent and, where this is legally required, to the competent data protection authority and/or to the **End Users** whose data are concerned by the security or privacy breach.

431 Article 33 of the GDPR describes the conditions when a personal data breach must be notified to the  
432 supervisory authority. This clause imposes an obligation to notify also the Home Organisation, to allow  
433 them taking the necessary technical and organisational measures for mitigating any risk the **Home**  
434 **Organisation** may be exposed to.

435 For example, if the **Service Provider** suspects that one or more user accounts in the **Home Organisation**  
436 has been compromised, the **Service Provider** contacting the **Home Organisation** enables the **Home**  
437 **Organisation** to take measures to limit any further damage (such as, suspend the compromised accounts)  
438 and to start the necessary actions to recover from the breach, if any.

439 The Service Provider shall use the security contact point of the Home Organisation or its Agent as  
440 provided in the technical infrastructure (currently, SAML 2.0 metadata), if available, for the reporting.  
441 When a security contact is not provided, the Service Provider shall communicate with alternative contact  
442 points.

443 Describe notification duties. When is it necessary to notify?

444

445

## K. LIABILITY

446

The Service Provider agrees to hold harmless the **End User**, the **Home Organisation** as well as the Agent who has suffered damage as a result of any violation of this Code of Conduct by the **Service Provider** as determined in a binding and enforceable judicial ruling.

447 In the event of damages related to the breach of this Code of Conduct (i.e.: using the **Attributes** for other  
448 purposes, storing sharing the **Attributes** with third parties etc.), the **Service Provider** will hold the other  
449 parties harmless following a binding and enforceable judicial ruling.

450 For example, in case an **End User** files a complaint against his or her **Home Organisation** for unlawful  
451 release of **Attributes**, and it turns out that a **Service Provider** has released the **Attributes** to a third party,  
452 the **Home Organisation** will be held harmless against the **End User** by the **Service Provider** if it can  
453 prove the **Service Provider** has not complied with all the obligations of this Code of Conduct.

#### 454 L. TRANSFER TO THIRD COUNTRIES

455

##### 1. Transfers to parties that have **not** adhered to this Code of Conduct established outside the EEA

The **Service Provider** guarantees that, when transferring **Attributes** to a party that has not adhered to this Code of Conduct and that is based outside the European Economic Area or in a country without an adequate level of data protection pursuant to Article 25.6 of the directive 95/46/EC or Article 45.1 of the GDPR, to take appropriate measures

##### 2. Transfers among Service Providers that have adhered to the Code of Conduct.

This Code of Conduct constitutes an adequate legal basis for cross-border transfers of **Attributes** among the **Service Providers** that have adhered to it, whether the **Service Provider** receiving the **Attributes** is established in the European Economic Area or not.

456 Under European data protection legislation, transfers of personal data from the European Economic Area  
457 to third countries that do not offer an adequate level of data protection are restricted, unless the recipient  
458 territory ensures a so-called "*adequate level of protection*". However, there is an exhaustive list of  
459 derogations to this general prohibition that are relevant for this context:

- 460 ▪ **Consent of the End User:** The unambiguous consent of the data subject legitimates data transfers  
461 to third countries, even if the recipient does not offer an adequate level of protection. The **Service**  
462 **Provider** may rely on the **End User's** freely given informed revocable **Consent** as described in  
463 **Error! Reference source not found.**
- 464 ▪ **Contractual guarantees:** The existence of an appropriate contractual framework, supported by  
465 Standard contract clauses, either adopted by the European Commission or by a supervisory  
466 authority, the use of appropriate safeguards such as Binding Corporate Rules or other legally  
467 binding and enforceable instruments are recognised methods of transferring personal data. The use  
468 of Standard contract clauses does not exclude the possibility for the contracting parties to include  
469 them in a wider contract nor to add other clauses as long as they do not enter in contradiction.  
470 When using EU model clauses, the **Service Provider** needs to verify and ascertain that the other  
471 party is able to comply with all contractual obligations set out in the model clauses, especially  
472 taking into account local law applicable to such party. [Reference to the section of IOs]

473

#### 474 M. GOVERNING LAW AND JURISDICTION

475

This Code of Conduct shall be interpreted in the light of the GDPR and of the guidance issued by the European advisory body on data protection and privacy<sup>3</sup>[always with prejudice to any privileges and immunities of Service Providers being International Organisations, as these are awarded by their constituent and/or statutory documents and international law.].

This Code of Conduct shall be governed by the national laws of the country in which the **Service Provider** is established.

476

477 Alternatively, the **Service Provider** and the **Home Organisation** can refer to this Code of Conduct in the  
478 case where the **Service Provider** processed personal data on behalf of the **Home Organisation**. In that  
479 scenario, the applicable law is the one of the **Home Organisation**.

480 Any disputes regarding the validity, the interpretation or the implementation of this Code of Conduct  
481 shall be settled before the competent courts of the country in which the **Service Provider** is established.

482 International Private Law shall apply in order to confirm the applicable law and to determine whether a  
483 **Service Provider** is established in a country or not.

484 The Privacy Policy requires specifying the jurisdiction and the applicable law ( clause 1. Information duty  
485 towards End User.)

486

## 487 N. ELIGIBILITY

488

The Service Provider must be implemented and executed by a duly authorized representative of the **Service Provider**.

489 Each **Service Provider** must make sure that this Code of Conduct is executed by a person or by several  
490 persons who has or have the right to commit the **Service Provider** to this Code of Conduct.

491 The person administering the service that receives **Attributes** must identify the person or body in his or  
492 her organisation that can decide if the **Home Organisation** commits to this Code of Conduct, as typically,  
493 the service administrator cannot take this decision on his own.

---

<sup>3</sup> The [Opinion 8/2010 on applicable law](#) of the Article 29 Working Party, as [updated in 2015](#), provides useful guidance on how to determine the applicable law in cross-national collaborations.

494

495

#### O. TERMINATION OF THE CODE OF CONDUCT

496

The **Service Provider** can only terminate adherence to this Code of Conduct in case of:

- this Code of Conduct being replaced by a similar arrangement,
- the termination of the service provisioning to the Home Organisation or
- the effective notification provided by the authorised by the Service Provider to terminate its adherence to this Code of Conduct

497

Even after the **Service Provider** has terminated its adherence to the Code of Conduct, the Attributes received continue to be protected by the GDPR (see p. Survival of the clauses).

498

499

500

#### P. SURVIVAL OF THE CLAUSES

501

The **Service Provider** agrees to be bound by the provisions of this Code of Conduct that are intended to survive due to their sense and scope after the end, lapse or nullity of this Code of Conduct.[reference to gdpr and other cocos]

502

503

#### Q. PRECEDENCE

504

The Service Provider warrants to comply with the stipulation that, in the event of conflict between a provision contained in this Code of Conduct and a provision of the agreement concluded between the **Service Provider** and the **Home Organisation**, the provision of the agreement concluded between **Service Provider** and **Home Organisation** takes precedence over the provision of this Code of Conduct.

In case of conflict between the provisions of the agreement between the Service Provider and the Home Organisation, this Code of Conduct and/or the data protection legislation, the following order shall prevail:

1. the processing agreement between the Home Organisation and the Service Provider

2. the provisions of this Code of Conduct; and
3. Applicable Data Protection Laws

505 If a **Service Provider** has an agreement (possibly a data processing agreement) with (some of) the **Home**  
506 **Organisation(s)** and the agreement is in conflict with this Code of Conduct, that agreement has  
507 precedence.

508 This section allows the **Service Provider** to have a bilateral agreement overriding the Code of Conduct  
509 with some **Home Organisations**, meanwhile, this Code of Conduct will still applies to the other **Home**  
510 **Organisations** that have not entered in a bilateral agreement.

## 511 CONSENT

512 The Service Provider shall request for End User's consent in the following scenarios:

- 513 1. When the purposes are not cover in b. Purpose limitation
- 514 2. When the attributes are released to third parties that are not part of this Code of Conduct
- 515 3. When the attributes are released to third parties, which are not part to this Code of  
516 Conduct, based in countries not offering an adequate level of protection .

517 Consent must be freely given, specific, informed and must unambiguously indicate the **End User's**  
518 wishes by which he or she, by a statement or by a clear affirmative action, signifies agreement to the  
519 processing of his or her personal data.

520 In the context of this Code of Conduct, when consent is used (e.g. d. Deviating purposes, g. Transfer of  
521 personal data to third parties, l. Transfer to third countries ), it can be provided by a written statement,  
522 including by electronic means. This could include ticking a box when visiting an internet website,  
523 choosing technical settings for information society services or another statement or conduct which clearly  
524 indicates the data subject's acceptance of the proposed processing of his or her personal data. Consent  
525 shall always be documented. Furthermore, the **End User** shall be able to withdraw his/her consent online.

526 Following Recital 43 of the GDPR, the Service Provider shall not rely on consent when there is a clear  
527 imbalance between the End User and the Service Provider.

528

529

530

531 **APPENDIX 1: INFORMATION DUTY TOWARDS END USERS**

532 This annex consists of two parts:

533 I. How to develop a privacy policy.

534 Although this is a mandatory obligation, practice has shown that many **Service Providers** have  
535 problems in developing an appropriate privacy policy for the services they provide. A practical  
536 template is provided to assist the **Service Providers**.

537 II. How the **Home Organisation** should inform the **End User** on the **Attribute release**.

538 This guideline is primarily for software developers who develop an **End User** interface for the  
539 **Attribute** release on an **Identity Provider** server.

540

541

542

DRAFT

543

## 544 HOW TO DEVELOP A PRIVACY POLICY

545 To understand the interplay of the **Home Organisation** and the **Service Provider** within the frame of the  
546 Code of Conduct, it is necessary to know that the Identity federations (and possible interfederation  
547 services like eduGAIN) relay the following information (called SAML2 metadata) from the **Service**  
548 **Provider** server to the Identity Provider server managed by the Home Organisation:

- 549 ● a link to **Service Provider's** privacy policy web page (an XML element with the name  
550 mdui:PrivacyStatementURL) which must be available at least in English.
- 551 ● the Service Provider's name and description (mdui:DisplayName and mdui:Description) at least  
552 in English. The name and description are expected to be meaningful also to the end users not  
553 affiliated with the service.
- 554 ● optionally, the **Service Provider's** logo (mdui:logo) that can facilitate the user interface.
- 555 ● the list of **Attributes** that the **Service Provider** requests from the **Home Organisation** and, for  
556 each Attribute, an indication that the Attribute is required. As the legal grounds for the attribute  
557 release (Article 7 of the data protection directive and Article 6.1 of the GDPR), the **Home**  
558 **Organisations** are suggested to use the legitimate interests legal grounds.

## 559 PRIVACY POLICY TEMPLATE

560 This template intends to assist **Service Providers** in developing a Privacy Policy document that fulfills  
561 the requirements of the GDPR and the Code of Conduct. The second column presents some examples (in  
562 italic) and proposes some issues that should be taken into account.

563 The Privacy Policy must be provided at least in English. You can add another column to the template for  
564 a local translation of the text. Alternatively, the local translation can be a parallel page, and you can use  
565 the xml:lang element to introduce parallel language versions of the Privacy Policy page as described in  
566 SAML2 Profile for the Code of Conduct.

567

Name of the service	SHOULD be the same as mdui:DisplayName <i>WebLicht</i>
Description of the service	SHOULD be the same as mdui:Description <i>WebLicht is a service for language research. It provides an execution environment for automatic annotation of text corpora.</i>

Data controller and a contact person	<i>Tübingen university, Institute for language research</i> <i>Laboratory manager Bob Smith, bob.smith@example.org</i>
Data controller's data protection officer, if applicable	If the controller has a data protection officer (GDPR Section 4) <i>Chief Security Officer bill.smith@example.org</i>
Jurisdiction and supervisory authority	The country in which the Service Provider is established and whose laws are applied.  SHOULD be an <a href="#">ISO 3166 code</a> followed by the name of the country and its subdivision if necessary for qualifying the jurisdiction.  <i>DE-BW Germany Baden-Württemberg</i>  How to lodge a complaint to the competent Data protection authority:  <i>Instructions to lodge a complaint are available at ...</i>
Personal data processed and the legal basis	<i>A. Personal data retrieved from your Home Organisation:</i>  <i>- your unique user identifier (SAML persistent identifier) *</i>  <i>- your role in your Home Organisation (eduPersonAffiliation attribute) *</i>  <i>- your name *</i>   <i>B. Personal data gathered from yourself:</i>  <i>- logfiles on the service activity *</i>  <i>- your profile</i>  ...  <i>* = the personal data is necessary for providing the service. Other personal data is processed because you have consented to it.</i>  Please make sure the list A. matches the list of requested attributes in the



	Service Provider's SAML 2.0 metadata.
Purpose of the processing of personal data	Don't forget to describe also the purpose of the log files, if they contain personal data (usually they do).
Third parties to whom personal data is disclosed	<p>Notice clause f of the Code of Conduct for Service Providers.</p> <p>Are the 3rd parties outside EU/EEA or the countries or international organisations whose data protection EC has decided to be adequate? If yes, references to the appropriate or suitable safeguards.</p>
How to access, rectify and delete the personal data and object its processing.	<p><i>Contact the contact person above.</i></p> <p><i>To rectify the data released by your Home Organisation, contact your Home Organisation's IT helpdesk.</i></p>
Withdrawal of consent	If personal data is processed on user consent, how he/she can withdraw it?
Data portability	Can the user request his/her data be ported to another service? How?
Data retention	<p>When the user record is going to be deleted or anonymised? Remember, you cannot store user records infinitely. It is not sufficient that you promise to delete user records on request. Instead, consider defining an explicit period.</p> <p><i>Personal data is deleted on request of the user or if the user hasn't used the service for 18 months.</i></p>
Data Protection Code of Conduct	<i>Your personal data will be protected according to the <a href="#">Code of Conduct for Service Providers</a>, a common standard for the research and higher education sector to protect your privacy.</i>

569 HOW THE HOME ORGANISATION SHOULD INFORM THE END USER ON THE ATTRIBUTE  
570 RELEASE

571

572 The Data protection laws create a set of requirements for the INFORM interactions with the user. This  
573 Data protection Code of Conduct proposes a division of responsibility where the INFORM interaction is  
574 carried out by the **Home Organisation** of the user, for instance, in an INFORM Graphical User Interface  
575 (GUI) installed to the Identity Provider server.

576 However, the Data protection regulators and the groups developing and enforcing these regulations  
577 recognize that there is a balance between full disclosure to meet the requirements and usability. A poor  
578 design of the user interaction screens can actually reduce the likelihood that users will understand what is  
579 happening.

580 LAW REQUIREMENTS

581 INFORMING THE END USER (“INFORM INTERACTION”)

582 For a **Home Organisation**, informing the end user can be done when a new end user gets his/her account  
583 at the institution. At that time, the **Home Organisation** has the first opportunity to inform that the user's  
584 **Attributes** may also need to be released to a **Service Provider** when he/she wants to access it. However,  
585 the law requires that, additionally, the end user needs to be informed about the specific **Attribute** release  
586 every time his/her **Attributes** are to be released to a new **Service Provider**.

587 The **Service Provider's** obligation to inform the end user depends on if it is a data processor or a  
588 controller. As a data controller, the **Service Provider** is responsible for communicating with the End user  
589 the issues above; which **Attributes** it will be using, and what it will be doing with them. As a data  
590 processor, a **Service Provider** can refer to the **Home Organisation**.

591 The Article 29 Working Party, EU advisory body contributing to the uniform application of the Data  
592 protection directive, took the view that the information must be given directly to individuals - it is not  
593 enough for information to be "available"<sup>4</sup>. In the Internet, a standard practice to inform the end user on  
594 processing his/her personal data in services is to provide him/her a Privacy Policy web page in the  
595 service.

596 In the Web Single Sign-On scenario of SAML 2.0, a convenient place to inform the end user is at the  
597 Home Organisation before the Attribute release takes place for the first time. Several federations  
598 supporting the European higher education and research communities have already developed tools  
599 implementing this approach (e.g. the uApprove module implemented for Shibboleth, the consent module  
600 implemented for SimpleSAMLphp). This allows the user's decision to directly affect the transfer of

---

<sup>4</sup> Opinion 15/2011 on the definition of consent, p.20.

601 **Attributes** to the **Service Providers**; if the **Service Providers** were communicating with the user it might  
602 have already received all the **Attributes** and values.

603

## 604 GENERAL PRINCIPLES FOR INFORMING THE USER

605 Information dialogues should be short and concise.

606 The UK information commissioner proposes a "layered approach"<sup>5</sup>, the basic information should appear  
607 on the main page, and a hyperlink shall be provided for detail. Merely having a clickable link labelled  
608 "privacy policy here" probably wouldn't be enough.

609 The goal is to provide a human readable form as the primary interface with the ability to click further to  
610 see what the 'technical' data is. The Acceptable Usage Policies presented by most Internet services do not  
611 suffice as they are rarely read nor understood by the users. The basic information should be provided as  
612 short accurate "user-friendly" descriptions; detailed information about "exactly what's going on" can be  
613 provided as a link.

614 Consequently, this profile recommends displaying the **Service Provider's** name, description, logo and  
615 requested attributes on the main page. If a user wants to learn more, he/she can click a link resolving to  
616 the **Service Provider's** Privacy policy. It is possible that users will actually not do the latter, but at least  
617 they have the ability to inform themselves of what is going on.

618 Layered notices can be particularly useful when describing the attribute values which will be released. In  
619 general, LDAP-style attributes are transferred to the SP. However, very few users have any familiarity  
620 with the conventions and usage of LDAP attributes. Instead, the Identity Provider could ask the user to  
621 release "name"; the link would take the user to a page listing all of the LDAP name attributes and values.

622 There are other attributes where the values are intentionally opaque (e.g.  
623 ePE="urn:mace:rediris.es:entitlement:wiki:tfemc2"). It is NOT reasonable to expect the end user to  
624 understand what this value means and to pick up a particular value to be released. Instead, natural  
625 language descriptions of the values should be provided.

626 A good way to explain to a user why there is a transfer of information is "your email, name and affiliation  
627 will be transferred". Explaining by analogy is human, albeit not necessarily academic in all disciplines.

628

---

<sup>5</sup> "A layered notice usually consists of a short notice plus a longer notice. The short notice contains basic information, such as the identity of the organisation and the way in which the personal information will be used... The short notice contains a link to a second, longer notice which provides much more detailed information." ([the UK information commissioner's Privacy Notices Code of Practice](#), page 18).

## 629 RECOMMENDATIONS

630

631 For all Attributes (INFORM interaction):

- 632 1. The user **MUST** be informed on the attribute release separately for each SP.
- 633 2. The user **MUST** be presented with the `mdui:DisplayName` value for the SP, if it is  
634 available.
- 635 3. The user **MUST** be presented with the `mdui:Description` value for the SP, if it is  
636 available.
- 637 4. The user **SHOULD** be presented with the `mdui:Logo` image for the SP, if it is available.
- 638 5. The user **MUST** be provided with access (e.g. a clickable link) to the document  
639 referenced by the `mdui:PrivacyStatementURL`.
- 640 6. The IDP **MUST** present a list of the RequestedAttributes defined as **NECESSARY**. No user  
641 consent is expected before release. (However, given how web browsers work, the user may  
642 have to click a **CONTINUE** button in order to continue in the sequence.)
- 643 The IDP **MAY** list the **NECESSARY** attributes on the same screen as the username/password  
644 entry boxes, making clear that *if* you login then this is what will happen. It **MUST** be clear to  
645 the user that the consequence of their next action will be to release the attributes.
- 646 NOTE -- the attribute values for the specific user are not available when the login screen is  
647 presented, since the user's identity is not yet known.
- 648 7. The display software **SHOULD** provide the ability to configure and display localised  
649 descriptions of the attributes (e.g. what `PersistentID` means) and their values (e.g. what  
650 `eduPersonEntitlement="urn:mace:rediris.es:entitlement:wiki:tfemc2"` means)
- 651 8. The display software **MAY** inform the user of the release of an "attribute group" (eg attributes  
652 expressing the user's "name"), and then release all requested attributes in the group (e.g.  
653 various forms of the user's name such as `cn`, `sn`, `givenName` and `displayName`).
- 654 9. The display software **MAY** give the user the option to remember that they have been  
655 **INFORMed** of the release of the necessary attributes.
- 656 10. If any of the following has changed since the user accessed this SP for the last time, the user  
657 **MUST** be prompted again for the **INFORM** interaction
- 658 a. the list of attributes the SP requests
- 659 b. the `DisplayName` of the SP
- 660 c. the `Description` of the SP

661

---

662 | INTERNATIONALIZATION

663 The *lang* attribute of the *mdui* elements can be used to match the user's preferred language settings.

---

664 | SAMPLE NOTIFICATION

665

666 Example of how a **Home Organisation** should inform **End Users** and provide an opt-out opportunity  
667 before **Attributes** are released to a new **Service Provider**. Clicking the **Service's Provider** name leads to  
668 its Privacy policy page.

669



670

671

672

673

674

675 **APPENDIX 2: INFORMATION SECURITY, TECHNICAL AND ORGANISATIONAL GUIDELINES**  
676 **FOR SERVICE PROVIDERS**

677

678 This annex describes the technical and organizational security measures for protecting the **Attributes** as  
679 well as the information systems of the Service Provider where they are processed (such as a SAML SP  
680 software, the infrastructures on which the software is deployed and the application(s) it supplies with the  
681 Attributes). Note that the scope of this document is limited to what is required to protect the Attributes.  
682 The Service Provider may need to define as well other requirements for the protection of its assets.

683

684 To address the technical and organisational measures to protect the Attributes as well as the information  
685 systems of the Service Provider where they are processed, it is recommended that the **Service Providers**  
686 adopt the security measures described in the Sirtfi trust framework (ver 1.0) [SIRTFI] which are copied  
687 below for convenience.

688 **NORMATIVE ASSERTIONS**

689 In this section a set of assertions are defined that each organisation shall self-attest to so that they may  
690 participate in the Sirtfi trust framework. These are divided into four areas: operational security, incident  
691 response, traceability and participant responsibilities.

692

693 An attestation to the assertions in this document refers specifically and only to the statements in this  
694 section that are identified by labels within square brackets “[“, “[”].

695

696 How comprehensively or thoroughly each asserted capability should be implemented across an  
697 organisation’s information system assets is not specified. The investment in mitigating a risk should be  
698 commensurate with the degree of its potential impact and the likelihood of its occurrence, and this  
699 determination can only be made within each organization.

---

700 **1 OPERATIONAL SECURITY [OS]**

701 Managing access to information resources, maintaining their availability and integrity, and maintaining  
702 confidentiality of sensitive information is the goal of operational security.

- 703
- 704 • [OS1] Security patches in operating system and application software are applied in a timely manner.
  - 705 • [OS2] A process is used to manage vulnerabilities in software operated by the organisation.

- 706 • [OS3] Mechanisms are deployed to detect possible intrusions and protect information systems  
707 from significant and immediate threats
- 708 • [OS4] A user's access rights can be suspended, modified or terminated in a timely manner.
- 709 • [OS5] Users and Service Owners (as defined by ITIL [ITIL]) within the organisation can be  
710 contacted.
- 711 • [OS6] A security incident response capability exists within the organisation with sufficient  
712 authority to mitigate, contain the spread of, and remediate the effects of a security incident.

---

## 713 2 INCIDENT RESPONSE [IR]

714 Assertion [OS6] above posits that a security incident response capability exists within the organisation.  
715 This section's assertions describe its interactions with other organisations participating in the Sirtfi trust  
716 framework.

- 717 • [IR1] Provide security incident response contact information as may be requested by an R&E  
718 federation to which your organization belongs.
- 719 • [IR2] Respond to requests for assistance with a security incident from other organisations  
720 participating in the Sirtfi trust framework in a timely manner.
- 721 • [IR3] Be able and willing to collaborate in the management of a security incident with affected  
722 organisations that participate in the Sirtfi trust framework.
- 723 • [IR4] Follow security incident response procedures established for the organisation.
- 724 • [IR5] Respect user privacy as determined by the organisations policies or legal counsel.
- 725 • [IR6] Respect and use the Traffic Light Protocol [TLP] information disclosure policy.

---

## 726 3 TRACEABILITY [TR]

727 To be able to answer the basic questions "who, what, where, and when" concerning a security incident  
728 requires retaining relevant system generated information, including accurate timestamps and identifiers of  
729 system components and actors, for a period of time.

- 730 • [TR1] Relevant system generated information, including accurate timestamps and identifiers of  
731 system components and actors, are retained and available for use in security incident response  
732 procedures.
- 733 • [TR2] Information attested to in [TR1] is retained in conformance with the organisation's security  
734 incident response policy or practices.

---

## 735 4 PARTICIPANT RESPONSIBILITIES [PR]

736 All participants (IdPs and SPs) in the federations need to rely on appropriate behavior.

- 737
- [PR1] The participant has an Acceptable Use Policy (AUP).
- 738
- [PR2] There is a process to ensure that all users are aware of and accept the requirement to abide
- 739
- by the AUP, for example during a registration or renewal process.

740

## 741 REFERENCES

742 [ITIL] Axelos ITIL Glossary of Terms, <https://www.axelos.com/glossaries-of-terms>

743 [SIRTFI] A Security Incident Response Trust Framework for Federated Identity, version 1.0:  
744 <https://refeds.org/wp-content/uploads/2016/01/Sirtfi-1.0.pdf> <https://www.axelos.com/glossaries-of-terms>

745 [TLP] US Cert Traffic Light Protocol, <https://www.us-cert.gov/tlp>

746

747

748

DRAFT



749

## 750 APPENDIX 3: HANDLING NON-COMPLIANCE OF SERVICE PROVIDERS

### 751 INTRODUCTION

752

753 This appendix describes examples of situations of non-compliance to the GÉANT Data Protection Code  
754 of Conduct. As a result, actions can be raised and monitoring bodies can intervene.

755 This Data protection Code of Conduct relies on the following principles:

756

757 • The **Home Federation** that has registered a **Service Provider** records a technical indication  
758 (currently, using a tag embedded to SAML 2.0 metadata) on the **Service Provider's** adherence to  
759 the Code of Conduct. The indication signals that the **Service Provider** believes that its service is  
760 being operated in a manner that is consistent with the Code of Conduct.

761

762 • The technical infrastructure (currently, SAML 2.0 metadata exchange service) that the  
763 federation(s) provides delivers the indications from Service Providers to **Home Organisations'**  
764 Identity Provider servers.

765

766 • Reminding the **Service Provider** of a potential (suspected) non-compliance issue does not imply  
767 to make the reminding party sharing any legal responsibility with the **Service Provider**.

768

### 769 EXAMPLES OF SP NON-COMPLIANCE

770

771 The **Service Provider** can violate the Code of Conduct in several ways, such as:

772

773 • requesting Attributes which are not relevant for the service (c.f. clause b. Purpose limitation);  
774 • processing the Attributes for an undefined period of time (c.f. clause e. Data retention);  
775 • processing the Attributes for a deviating purpose or transferring them to a third party in a way  
776 that violates clause b. Purpose limitation and d. Deviating purposes of the Code of Conduct (for  
777 instance, transferring the **Attributes** to a company for commercial purposes without user  
778 consent);

779 • Disclosing the **Attributes** (c.f. clause d. Deviating purposes);

780 • Omitting to install security patches (c.f. clause H. Security measures and Appendix 2:  
781 Information Security, technical and organisational guidelines for Service Providers);

782 • Omitting to publish a privacy policy or publish an insufficient privacy policy (c.f. clause  
783 Appendix 1: Information duty towards End Users).

784

785 If anyone (such as an end user, a **Home Organisation** or a Federation Operator) suspects that a **Service**  
786 **Provider** is not complying with the Code of Conduct to which it has committed, the following  
787 alternative, mutually non-exclusive, actions are suggested:

788

789 1. Contact the Service Provider directly (with a copy to the **Service Provider's** Home Federation),  
790 describing the suspected problem, and ask the **Service Provider** to check if it has a compliance  
791 problem and correct it,

- 792 2. Contact the Service Provider's Home Federation, and request to contact the **Service Provider** and  
793 to check if there is a compliance problem and request to correct it. Depending on the Home  
794 Federation's policy, there may be also additional measures available for handling non-  
795 compliance.  
796
- 797 3. Contact the body accredited to monitor compliance with the Code of Conduct, if applicable, as  
798 defined in the Article 41 of the GDPR and below;  
799
- 800 4. Determine the location of the legal entity operating the **Service Provider**, and lodge a complaint  
801 with the competent Supervisory authority (as defined in Articles 57 and 58 of the GDPR).  
802

#### 803 CODE OF CONDUCT MONITORING BODY

804  
805 A Federation operator can nominate a body to monitor the **Service Providers'** compliance with the Code  
806 of Conduct. The monitoring body must be accredited by a competent supervisory authority.  
807

808 Only the monitoring body nominated by the Home Federation of the **Service Provider** is competent to  
809 assess the compliance of the **Service Provider** with the Code of Conduct.  
810

811 The monitoring body publishes its contact details and procedures in a public and accessible way.  
812

813 The monitoring body is responsible for processing complaints received from end users, Home  
814 Organisations, Federation Operators or other parties.  
815

816 Having received a complaint the monitoring body will:  
817

- 818 I. ask the **Service Provider** to present its counterpart,  
819 II. give the **Service Provider** at most four weeks' time to revise the issue if the  
820 monitoring body finds the **Service Provider** to be non-compliant with the Code  
821 of Conduct  
822 III. mandate the Home Federation to remove the **Service Provider's** tag if the  
823 Service Provider hasn't fixed the non-compliance issue within the given  
824 timeframe.

825 The **Service Provider** whose tag has been removed can reclaim the tag only after demonstrating to the  
826 monitoring body that it has returned to compliance.