

ANONYMOUS

De-personalization/ Anonymization / Pseudonymization

AFSUG – JOHANNESBURG - CAPE TOWN - DURBAN | 09/2018



1

Who is Natuvion?

2

Why De-personalization?

3

Natuvion's TDA

4

Contact



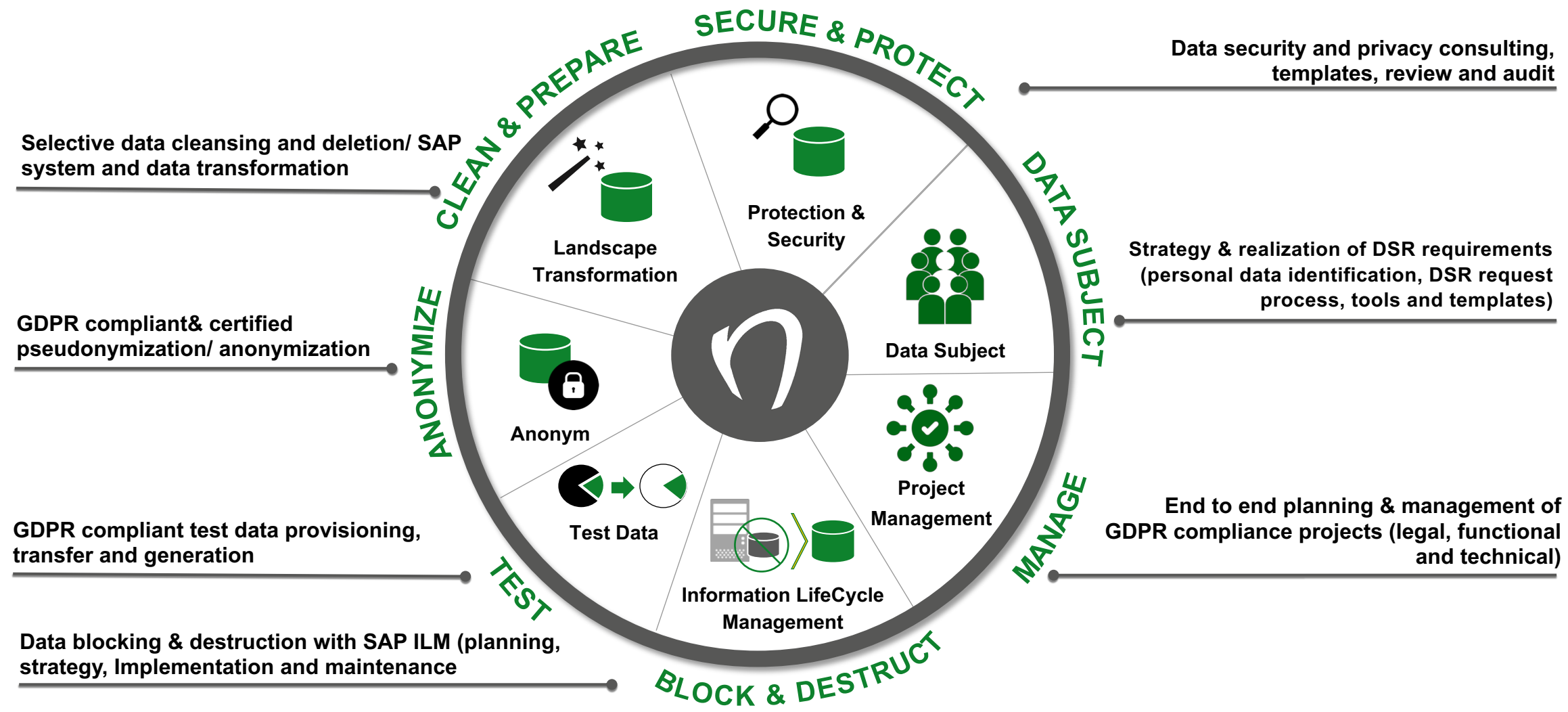
1 Who is Natuvion?



Who is Natuvion?

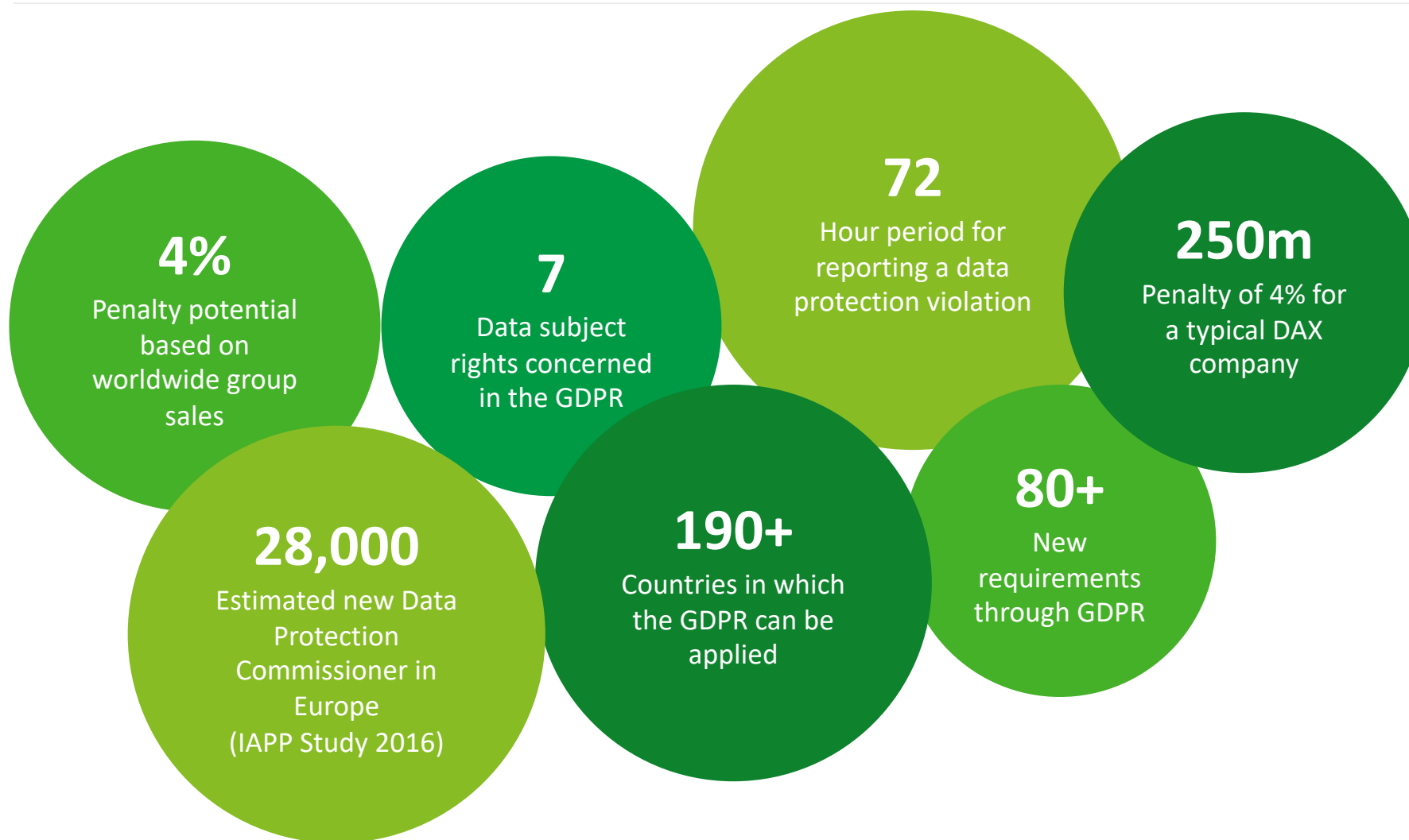
- **Owner-managed company**
- **Specialized expertise in SAP System Transformation, Data Services, Security & Data Privacy, Data Governance, Finance, Customer and Billing**
- **More than 100 employees** with an average of more than **12 years of experience** in IT strategy, project management, implementation and product development
- **SAP Gold Partner and Co-Innovation Partner** in Data Privacy & Protection
- **SAP Recognized Experts in Daten Security and GDPR**
- **Projects around the world**

Natuvion's GDPR Portfolio for S/4 HANA, SAP Business Suite, SAP Human Capital Management and SAP Cloud Based Solution Portfolio

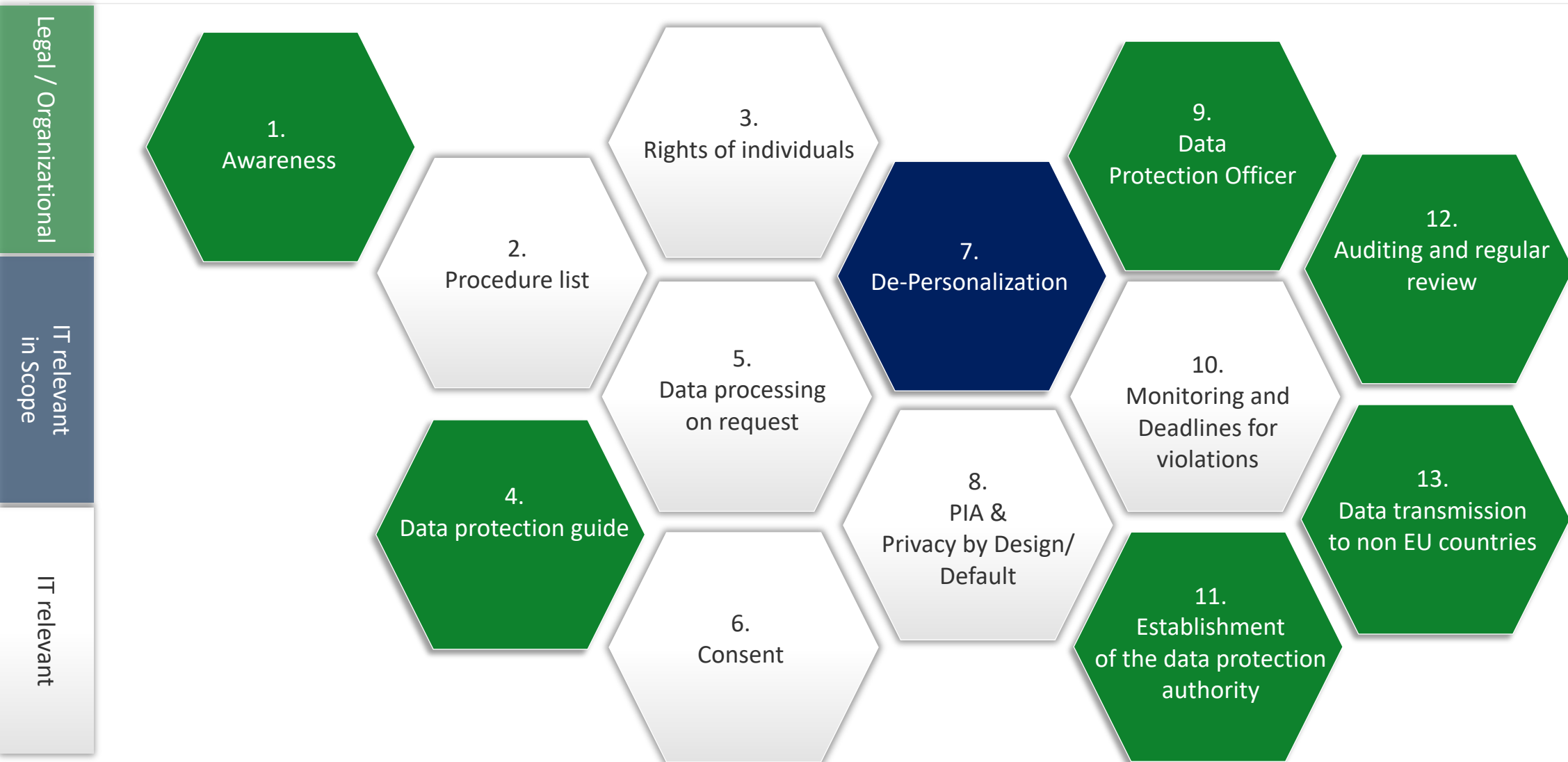


1 Why De-personalization?





1. Extended rights of data subjects
2. Increased obligation to protect data
3. Obligation to report data protection violations
4. Extreme penalties for non-compliance



Right of Access | Art.15

- Information
- Issuing

Rectification | Art. 16

- Rectification
- Expansion

Erasure | Art. 17

- Person responsible
- 3rd party (to be forgotten)

Restrictions | Art. 18

- Blocking

Objections | Art. 21

- General
- Direct marketing

Portability | Art. 20

- Extraction
- Automatic transfer to 3rd party

Anonymization is obligatory (Art. 5) and can reduce costs within the scope of the GDPR implementation

A request must be answered within one month

The rights of those concerned are generally free of charge

De-Personalized

Pseudonymized Data

The person concerned can be identified again by consulting the information stored separately or, if necessary, publicly accessible.

Anonymized Data

The person concerned cannot be identified again, or only with disproportionate effort.

"The principles of data protection should therefore not apply to anonymous information, i.e. information that does not relate to an identified or identifiable natural person, **or personal data that has been made anonymous in such a way that the person concerned cannot or can no longer be identified.** This Regulation therefore does not concern the processing of such anonymous data, including for statistical or research purposes".

Recital
26

"In order to determine whether a natural person is identifiable, **all means likely to be used by the responsible person or another natural person in general judgement to identify the natural person directly or indirectly** should be taken into account. The technology and technological development available at the time of processing shall also be taken into account."

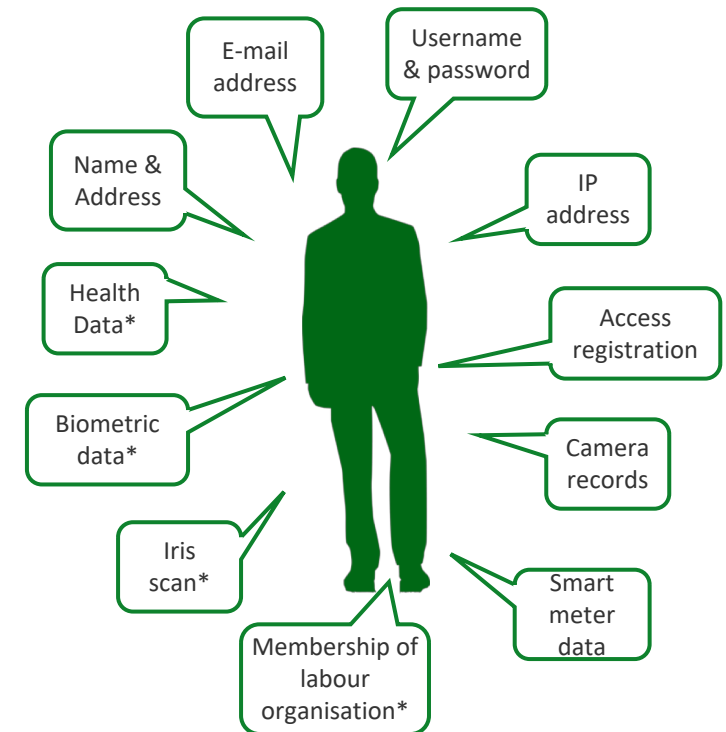
?

1

Personal data is all information relating to an identified or identifiable natural person

2

*It is sufficient to have data that would **theoretically** allow you to draw conclusions about a certain person. **It does not matter whether one instance alone or a third party or several bodies together could establish the identification.** It does not matter whether a real identification of a natural person has taken place or could take place to justify the classification of a data as personal.*



As a basic rule, all data that could contain **unique information** should be regarded as personal if they were not generated themselves (and proven without personal reference).

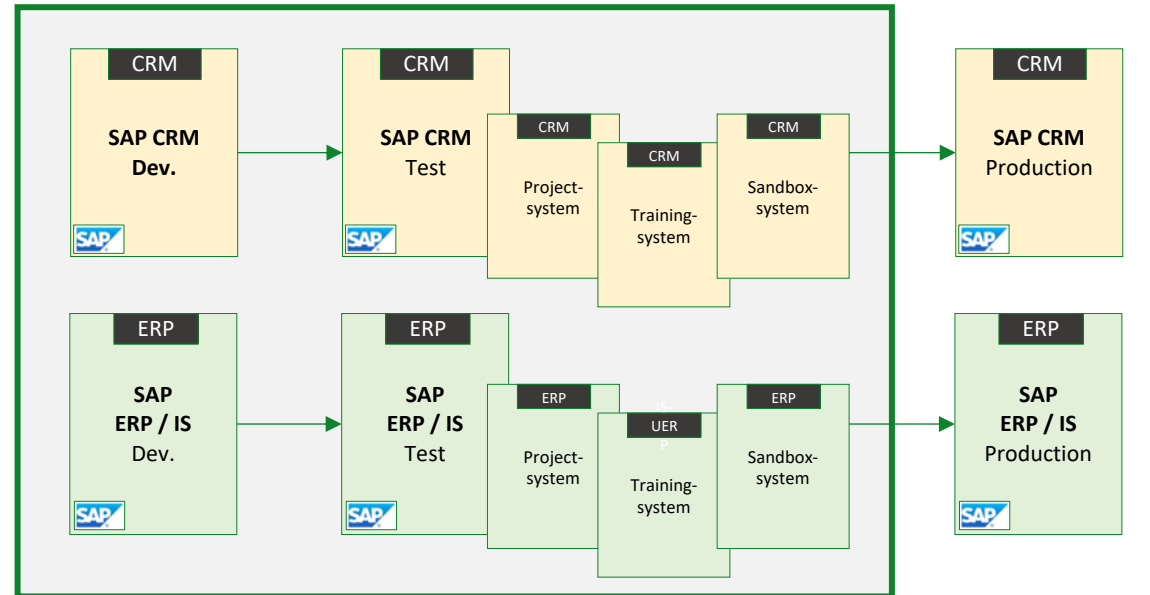
Is there already a permissible change in data protection law regarding the handling of personal data for test purposes?

Change of purpose in handling personal data for test purposes

Description

- 1) **Dealing with pers. Data for test purposes is generally not covered by consent** (§ 4a Paragraph 1 BDSG-alt; Art. 6 Paragraph 1 lit. a) GDPR). Consent is given for specific purposes. **Dealing with personal data for test purposes is regularly not covered by a consent.**
- 2) **Dealing with pers. Data for test purposes is generally not required for contract fulfilment**, e.g. in the ratio "RU - company" (§ 28 para. 1 sentence 1 no. 1 BDSG-alt; until 25 May 2018; Art. 6 para. 1 lit. b) DSGVO). **Such contact is usually not connected with a concrete implementation of the contract.** For the execution of the contract it is necessary to deal with personal data. data for test purposes is not required on a regular basis.

Example of SAP Landscape



No personal data may be stored in SAP test or project systems. All test procedures are to be carried out with depersonalized data sets

1 Natuvion's TDA



Common Challenges

1

Networked systems

Related systems must have a synchronous data status even after depersonalization.

2

Functions

The possibility of generating synthetic data and modifying key objects/numbers should be provided.

3

Completeness

All personal data (customer developments and add-ons) must be taken into account for depersonalization.

4

Integration with ILM processes

The integration to established information management processes must be given especially for reporting systems.

5

Speed

Performance during a system changeover / depersonalization is a decisive criterion for feasibility. The depersonalization must not have any noticeable influence on the established processes.

6

Sustainability and complexity

An SAP system landscape is subject to constant change. Data structures are changed and new data structures are added which may contain personal data. HANA and S/4 Readiness.

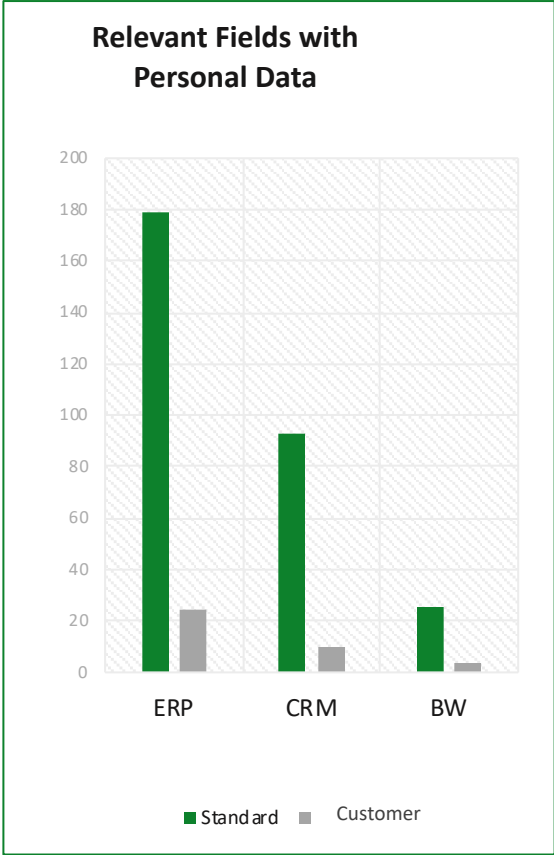
7

External systems / interfaces

Interfaces to non-SAP systems are subject to increased attention in connection with depersonalization. Problems in the testability / functionality of the processes can occur at these points.

Sample scope of SAP ERP/CRM de-personalization

exemplary illustration



Master Data

- Names
Rule-based replacement, merging, generation, deletion
- Bank Connection
Rule-based replacement, generation, merging of business customers, erasure
- Date of Birth
Rule-based generation, setting of ranges, deletion
- Addresses
Centralized comprehensive address assignment
- Communications Structure
Rule-based replacement, merging, generation, deletion
- Service Provider
Rule-based replacement, merging, generation, deletion

Transactional Data

- SEPA Mandates
Consistent adjustment to master data
- Returns/repayment request
Consistent adjustment to master data
- Payment batch
Consistent adjustment to master data
- Payment Program
Consistent Adjustment to Master Data
- CRM Activities and IS-U Contacts

Customer Development

- Automated content-dependent search of data fields with personal reference
- Inclusion of these fields in rule-dependent field modification
- Connection of non-SAP databases

Find 99% of personal data in your SAP systems

1 Start of analysis

SOPHIA - Analyse für personenbezogene Daten

Tabellenname bis

Projekt-ID

Mindestmenge an Werten

Anzahl Hintergrundjobs

2 Use of results

/NA2/TDA_FLD_RES: Anzeige der gefundenen Einträge

Zu durchsuchende Tabelle: /NA2/TDA_FLD_RES Feldanalyse Ergebnisse

Anzahl Treffer: 500

Laufzeit: 0 Maximale Trefferzahl: 500

Projekt-ID	Tabellenname	Feldname	Datenelement	Domänenname	Länge	DTyp	Werte	Korr.	Tab.	Korr.	Feld	Korr.Menge	Beispielinhalte
N11.800	/1MD/MD_03G	/1MD/0GFSI	USMDZ1_FSI2	USMDZ1_FSI	10	CHAR	100	???				0	0000130500 0000152050 0000210200 0000220100 0000290200 0000290400
N11.800	/1MD/MD_03O	/1MD/0GACCOUNT	USMDZ1_ACCOUNT	USMDZ1_ACCOUNT	10	CHAR	100	???				0	0000001000 0000022010 0000037000 0000038010 0000045606 0000060231
N11.800	/1MD/MD_03T	/1MD/0GACCOUNT	USMDZ1_ACCOUNT	USMDZ1_ACCOUNT	10	CHAR	100	???				0	0000001000 0000022010 0000037000 0000038010 0000045606 0000060231
N11.800	/1MD/MD_03T	TXTLG	USMD_TXTLG	TEXT60	60	CHAR	100	???				0	Plant and Equipment (Direct posting) Accumulated depreciation - motor vehicle
N11.800	/1MD/MD_03T	TXTSH	USMD_TXTSH	TEXT20	20	CHAR	100	???				0	Office equipment Clearing capitalized Govmt sec - AFS Unsecured Bank Loans P
N11.800	/1MD/MD_03Z	/1MD/0GES1	USMDZ1_ES12	USMDZ1_ES1	10	CHAR	100	???				0	0000130500 0000152050 0000210200 0000220100 0000290200 0000290400

24 Hours “Installation result”

Nativion

Search in Table: /NA2/TDA_FLD_RES Field analyze results

Number of hits: 4

Runtime: 0 Maximum no. of hits: 500

Project ID	Table	Field Name	Data element	Domain	Lngh	DTyp	Dis.Vals	Corr. tab	Corr.field	Corr.amoun	Example	Status
N01.220	BUT000	MC_NAME1	BU_MCNAME1	CHAR35	35	CHAR	10	BUT000	MC_NAME1	102	BILANZKOORDINATOR STROM MÜLLER NATUVION NETZ GMBH MUSTERMANN NATUVION LIEFERANT GMB...	INCLUDE
N01.220	BUT000	MC_NAME1	BU_MCNAME1	CHAR35	35	CHAR	10	BUT000	MC_NAME1	102	BILANZKOORDINATOR STROM MÜLLER NATUVION NETZ GMBH MUSTERMANN NATUVION LIEFERANT GMB...	INCLUDE
N01.220	BUT000	MC_NAME1	BU_MCNAME1	CHAR35	35	CHAR	10	BUT000	MC_NAME1	102	BILANZKOORDINATOR STROM MÜLLER NATUVION NETZ GMBH MUSTERMANN NATUVION LIEFERANT GMB...	INCLUDE

Table Name

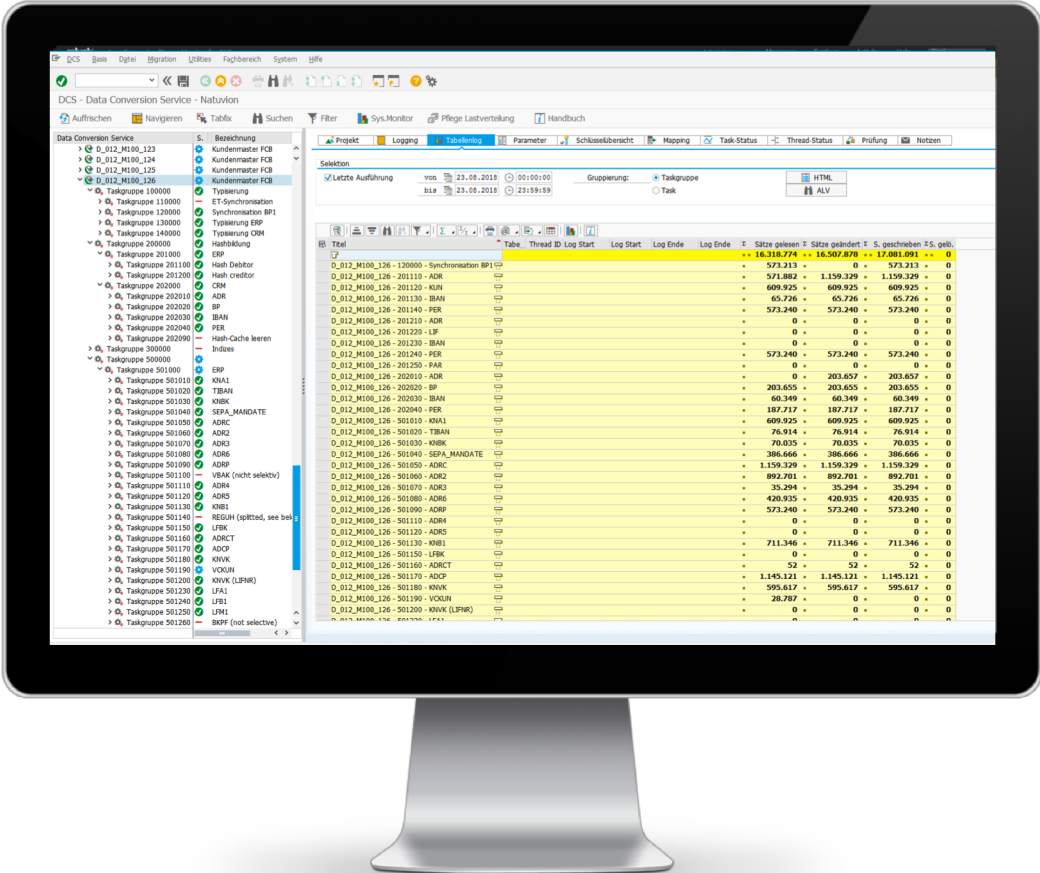
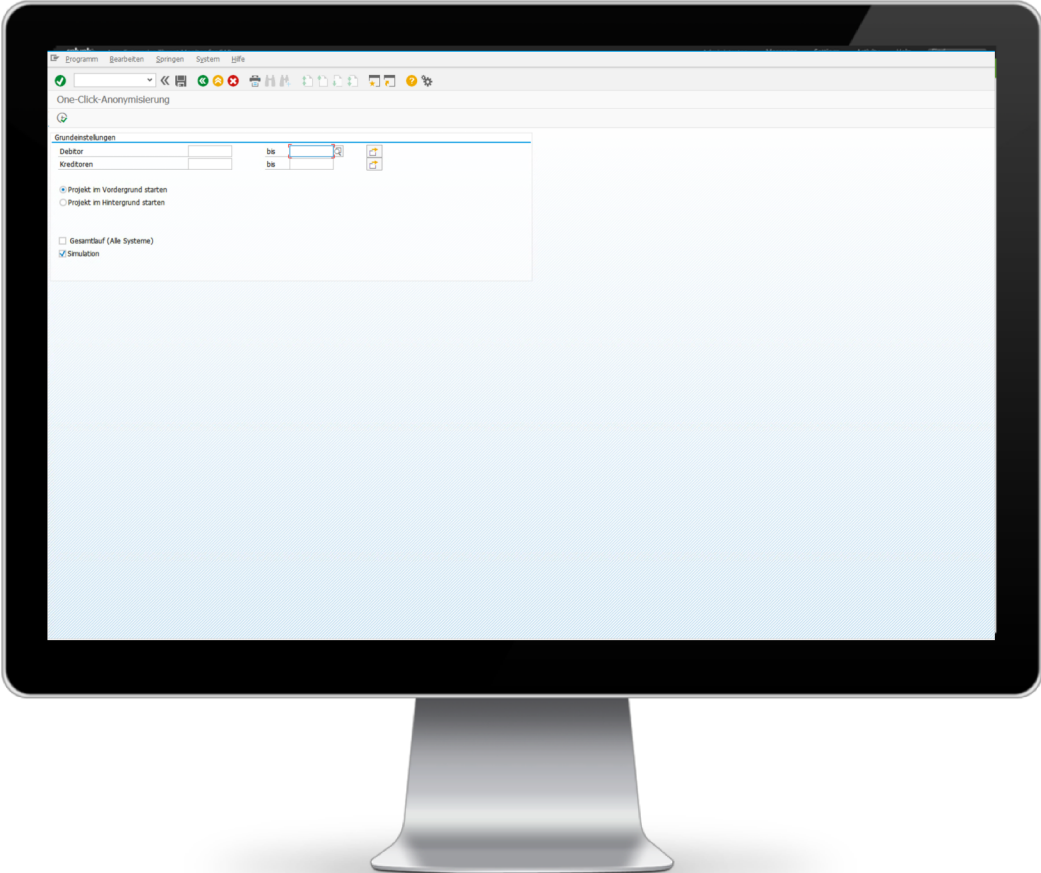
Table Name	Data element	Domain	Lngh	DTyp	Dis. Vals	Corr. tab	Corr. field	Corr. amount	Example	Status
/SSB/CHP_CONFIG	/SSB/CHP_CONFIG	CHAR	10	CHAR	10	0	0	0	0	0
/SSB/ODATA_URL	/SSB/ODATA_URL	STR	0	STR	0	0	0	0	0	0
/SSB/VIEW_NAME	/SSB/VIEW_NAME	STR	0	STR	0	0	0	0	0	0
/SSB/INDIC_ODATA_URL	/SSB/INDIC_ODATA_URL	STR	0	STR	0	0	0	0	0	0
/SSB/INDIC_VIEW_NAME	/SSB/INDIC_VIEW_NAME	STR	0	STR	0	0	0	0	0	0
AD_SMTPADR	AD_SMTPADR	CHAR	10	CHAR	10	0	0	0	0	0
AD_SMTPADR2	AD_SMTPADR2	CHAR	10	CHAR	10	0	0	0	0	0
AD_CITY1	AD_CITY1	TEXT	40	TEXT	40	0	0	0	0	0
AD_MC_NAME1	AD_MC_NAME1	CHAR	25	CHAR	25	0	0	0	0	0
AD_MC_STRT	AD_MC_STRT	CHAR	25	CHAR	25	0	0	0	0	0
AD_NAME1	AD_NAME1	CHAR	40	CHAR	40	0	0	0	0	0
AD_NAME2	AD_NAME2	CHAR	40	CHAR	40	0	0	0	0	0
AD_STREET	AD_STREET	TEXT	60	TEXT	60	0	0	0	0	0
AD_NAME_FIRST	AD_NAME_FIRST	CHAR	40	CHAR	40	0	0	0	0	0
AD_NAME_LAST	AD_NAME_LAST	TEXT	40	TEXT	40	0	0	0	0	0
AD_NAME_TEXT	AD_NAME_TEXT	TEXT	40	TEXT	40	0	0	0	0	0
BPPD_LA_CMESSAGE	BPPD_LA_CMESSAGE	STR	0	STR	0	0	0	0	0	0
BU_SORT1	BU_SORT1	CHAR	10	CHAR	10	0	0	0	0	0
BU_MCNAME1	BU_MCNAME1	CHAR	35	CHAR	35	0	0	0	0	0
BU_MCNAME2	BU_MCNAME2	CHAR	35	CHAR	35	0	0	0	0	0

Example contents of the table fields found for convenient analysis

Name	Typ Beschreibung	ILM-Objekt Zuordnung	ILM-Objekt Beschreibung
BU_PERNO	Personalnummer	CA_BUPA	Archivierung von Geschäftspartnern
BU_PARTNER	Geschäftspartnersnummer	CA_BUPA	Archivierung von Geschäftspartnern
AD_ADDRNUM	Adressnummer	CA_BUPA	Archivierung von Geschäftspartnern
AD_ADDRNUM	Adressnummer	FI_ACCRECV	Debitorenstammdaten
AD_ADDRNUM	Adressnummer	FI_ACCPAYB	Kreditorenstammdaten
BU_RELNR	Geschäftspartner-Beziehungsnummer	CA_BUPA	Archivierung von Geschäftspartnern
VERTRAG	Vertrag		
E_PROPERTY	Eigentum		
VKONT_KK	Kontokontennummer		
E_BELNR	Belegnummer eines Abrechnungsbelegs		

ILM objects in which the tables found are used

Test Data Anonymization – User vs. Administrator/ Super User



Before and after view (address)

Person anzeigen: 1000000016

Person Organisation Gruppe

Geschäftspartner

1000000016

Edelfried Klier D-38489 Ahlum

Anzeigen in GP-Rolle

GPartner allgemein

Gültigkeitszeitraum

01.01.0001 - 31.12.9999

Arbeitsvorrat Suche

Suche

Geschäftspartner

nach

Nummer

GeschPartner

1000000016

Start

GeschPartner

Beschreibung

1000000016

Edelfried Klier D-38489 Ahlum

Anschrift

Adressübersicht

Identifikation

Steueru

Name

Anrede

Herr

Vorname

Edelfried

Nachname

Klier

Suchbegriffe

Suchbegriff 1/2

Standardadresse

Druckvorschau

Straßenadresse

Straße/Hausnummer

Materniweg

Postleitzahl/Ort

38489 Ahlum

Land

DE Deutschland

Zeitzone

CET

Postfachadresse

Postfach

Postleitzahl

Transaction BP

Keys can be completely anonymized

Person anzeigen: 1000000016

Person Organisation Gruppe

Geschäftspartner

1000000016

Wiegand Gaus D-95188 Issigau

Anzeigen in GP-Rolle

GPartner allgemein

Gültigkeitszeitraum

01.01.0001 - 31.12.9999

Arbeitsvorrat Suche

Suche

Geschäftspartner

nach

Nummer

GeschPartner

1000000016

Start

GeschPartner

Beschreibung

1000000016

Wiegand Gaus D-95188 Issigau

Anschrift

Adressübersicht

Identifikation

Steuerung

Zahlungsverkehr

Status

Verwendungsnachweis

Ohne Titel

Name

Anrede

Herr

Vorname

Wiegand

Nachname

Gaus

Suchbegriffe

Suchbegriff 1/2

GP ANONYMISIERT

1000000016

Standardadresse

Druckvorschau

Straßenadresse

Straße/Hausnummer

Am Berg 48

Postleitzahl/Ort

95188 Issigau

Land

DE Deutschland

Region

Zeitzone

CET

Postfachadresse

Postfach

Postleitzahl

Synthesized Sample Data

Before and after view (payment transactions)

Person anzeigen: 1000000016

Person Organisation Gruppe Allgemeine Daten Beziehungen

Arbeitsvorrat Suche

Suche

Geschäftspartner

nach

Nummer

GeschPartner

1000000016

Start

Geschäftspartner

1000000016

Edelfried Klier D-38489 Ahlum

Anzeigen in GP-Rolle

GPartner allgemein

Gültigkeitszeitraum

01.01.0001 - 31.12.9999

Anschrift

Adressübersicht

Identifikation

Steuerung

Zahlungsverkehr

Status

Verwendungsnachweis

Ohne Titel

Bankverbindungen

ID	Land	Bankschlüssel	Bankkonto	Kontrollschlüssel	IBAN	IBAN
0001	DE	67292200	00001917156666			DE86672922001917156666

GeschPartner

Beschreibung

1000000016

Edelfried Klier D-38489

Person anzeigen: 1000000016

Person Organisation Gruppe Allgemeine Daten Beziehungen

Arbeitsvorrat Suche

Suche

Geschäftspartner

nach

Nummer

GeschPartner

1000000016

Start

Geschäftspartner

1000000016

Wiegand Gaus D-95188 Issigau

Anzeigen in GP-Rolle

GPartner allgemein

Gültigkeitszeitraum

01.01.0001 - 31.12.9999

Anschrift

Adressübersicht

Identifikation

Steuerung

Zahlungsverkehr

Status

Verwendungsnachweis

Ohne Titel

Bankverbindungen

ID	Land	Bankschlüssel	Bankkonto	Kontrollschlüssel	IBAN	IBAN	Referenzangab
0001	DE	30056600	9395992050			DE88300566009395992050	

GeschPartner

Beschreibung

1000000016

Wiegand Gaus D-95188 Issigau

Synthesized Sample Data

Transaction BP

Nativion

Debitor anzeigen: Allgemeine Daten

Anderer Debitor
 Zusatzdaten Leergut
 Zusatzdaten DSD
 Vertriebsbereichsdaten DSD
 Zusatz Rechnu

Debitor: 261 Andrew Williams ALBUQUERQUE

Adresse

Steuerungsdaten

Zahlungsverkehr

Marketing

Exportdaten

Vorschau

Name			
Anrede	Herr		
Name	Andrew Williams		
Suchbegriffe			
Suchbegriff 1/2	B2C WILLIAMS		
Straßenadresse			
Straße/Hausnummer	1030 Rio Grande Boulevard	1030	
Ortsteil	BERNALILLO		
Postleitzahl/Ort	87104	ALBUQUERQUE	
Land	US	USA	Region NM New
		Steuerstandort	320010201
Transportzone	0000000003	Inland	
Postfachadresse			
Postfach	1030		
Postleitzahl			
Kommunikation			
Sprache	Englisch		Weitere I
Telefon	505-843-9577	Nebenstelle	
Fax		Nebenstelle	

Debitor

Anderer Debitor
 Zusatzdaten Leergut
 Zusatzdaten DSD
 Vertriebsbereichsdaten DSD
 Zusatz Rechnu

Debitor: 261 Andrew Williams ALBUQUERQUE

Adresse

Steuerungsdaten

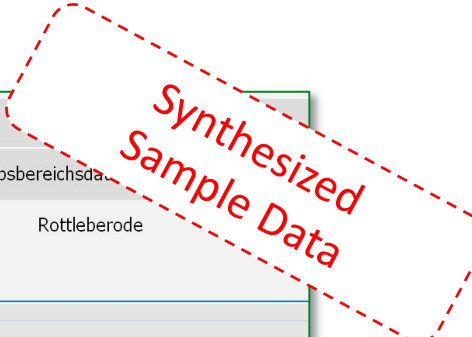
Zahlungsverkehr

Marketing

Exportdaten

Vorschau

Name			
Anrede	Herr		
Name	Andrew Williams		
Suchbegriffe			
Suchbegriff 1/2	B2C WILLIAMS		
Straßenadresse			
Straße/Hausnummer	1030 Rio Grande Boulevard	1030	
Ortsteil	BERNALILLO		
Postleitzahl/Ort	87104	ALBUQUERQUE	
Land	US	USA	Region NM New
		Steuerstandort	320010201
Transportzone	0000000003	Inland	
Postfachadresse			
Postfach	1030		
Postleitzahl			
Kommunikation			
Sprache	Englisch		Weitere I
Telefon	505-843-9577	Nebenstelle	
Fax		Nebenstelle	



Synthesized
Sample Data



Debitor anzeigen: Allgemeine Daten

Anderer Debitor

Debitor

2

Wilhelm

Prenzlau

Adresse

Steuerdaten

Zahlungsverkehr

Marketing

Bankverbindungen

Land	Bankschlüssel	Bankkonto	Kontoinhaber	K...	I...	IBAN Wert
DE	10000000	9520775670	Karlgeorg Reil			DE13600577009520775670

<

>

...

Bankdaten...

Za

Debitor anzeigen: Allgemeine Daten

Anderer Debitor

Synthesized
Sample Data

Demonstration of a de-personalization of an employee

Before and after view (Address)

Display Personal Data

Find by

Person

Collective search help

Search Term

Free search

Pers. No.

1528

Pers.No.

1528

EE group

1

Active

EE subgroup

DN

Monthly wage earner

Start

23.11.1958

To

31.12.9999

Chng

31.05.1995

LIMPERT

Pers.Assgn

00001528 Skilled Worker Maintenance I G.

Age

59

Pers.area

1300

Frankfurt

Cost Center

4100

Technical Service I

Name

Title

Mrs

Last name

Dereser

First name

Svantje

Name prefix

Formatting

Svantje Dereser

Birth data

Birth Name

Name Prefix

Birthdate

22.11.1958

Language

German

Nationality

Swedish

Marital status/religion

Mar.Status

Single

Since

No. child.

0

Display Personal Data

Find by

Person

Collective search help

Search Term

Free search

Pers. No.

1528

Pers.No.

1528

EE group

1

Active

EE subgroup

DN

Monthly wage earner

Start

23.11.1958

To

31.12.9999

Chng

14.05.2018

IANDRIOAIE

Pers.Assgn

00001528 Electronic Engineer Active

Age

48

Pers.area

1300

Frankfurt

Cost Center

4100

Technical Service I

Name

Title

Mr.

Last name

Harnisch

First name

Henning

Name prefix

Formatting

Henning Harnisch

Spec.format

00

Birth data

Birth Name

Name Prefix

Birthdate

01.01.1970

Language

German

Nationality

German

Other title

Birthplace

Ctry o.birth

Germany

Other nat.

Synthesized Sample Data

Keys can be completely anonymized

Demonstration of the de-personalization of an employee

Display Bank Details

Find by

Person

Collective search help

Search Term

Free search

Pers. No.

1528

Pers.No.

1528

EE group

1

Active

EE subgroup

DN

Monthly wage earner

Start

01.01.2002

to

31.12.9999

Chng

09.06.1995

LIMPERT

Pers.Assgn

00001528 Skilled Worker Maintenance I G.

Name

Svantje Dereser

Pers.area

1300

Frankfurt

Cost Center

4100

Technical Service I

Bank details

Bank details type

Main bank

Payee

Svantje Dereser

Postal Code/City

69576

Frankfurt

Bank Country

Germany

Bank Key

10050000

Bank Account

51354132

IBAN

Payment method

U

Überweisung

Purpose

Payment currency

EUR

Euro (EMU currency as of 01/01/1999)

Display Bank Details

Find by

Person

Collective search help

Search Term

Free search

Pers. No.

1528

Pers.No.

1528

EE group

1

Active

EE subgroup

DN

Monthly wage earner

Start

01.01.2002

to

31.12.9999

Chng

09.06.1995

LIMPERT

Pers.Assgn

00001528 Electronic Engineer Active

Name

Henning Harnisch

Pers.area

1300

Frankfurt

Cost Center

4100

Technical Service I

Bank details

Bank details type

Main bank

Payee

Henning Harnisch

Postal Code/City

70111

Stuttgart

Bank Country

Germany

Bank Key

60052100

Synthetische Bank Südwest

FGHIDE02

Bank Account

9464517930

IBAN

Payment method

U

Überweisung

Purpose

Payment currency

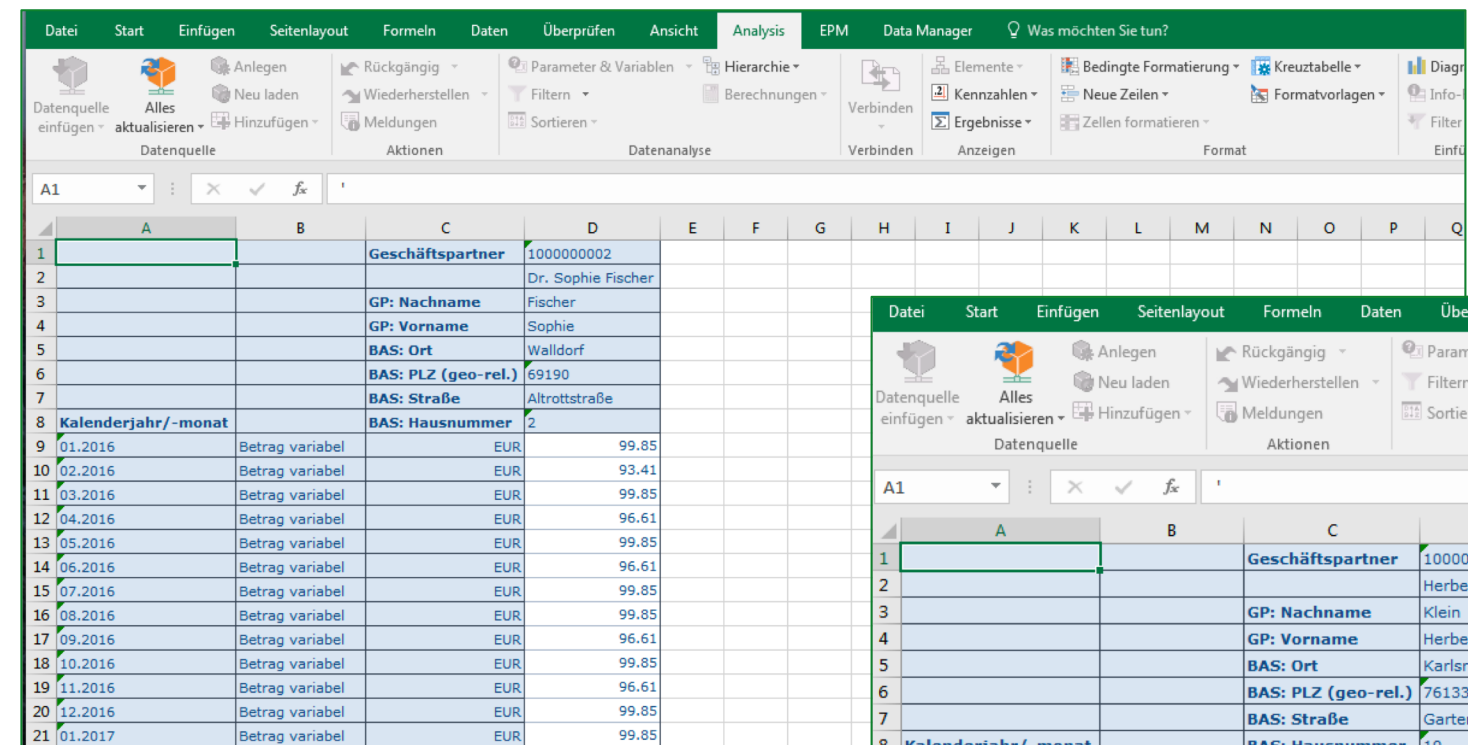
EUR

Euro (EMU currency as of 01/01/1999)

Synthesized Sample Data

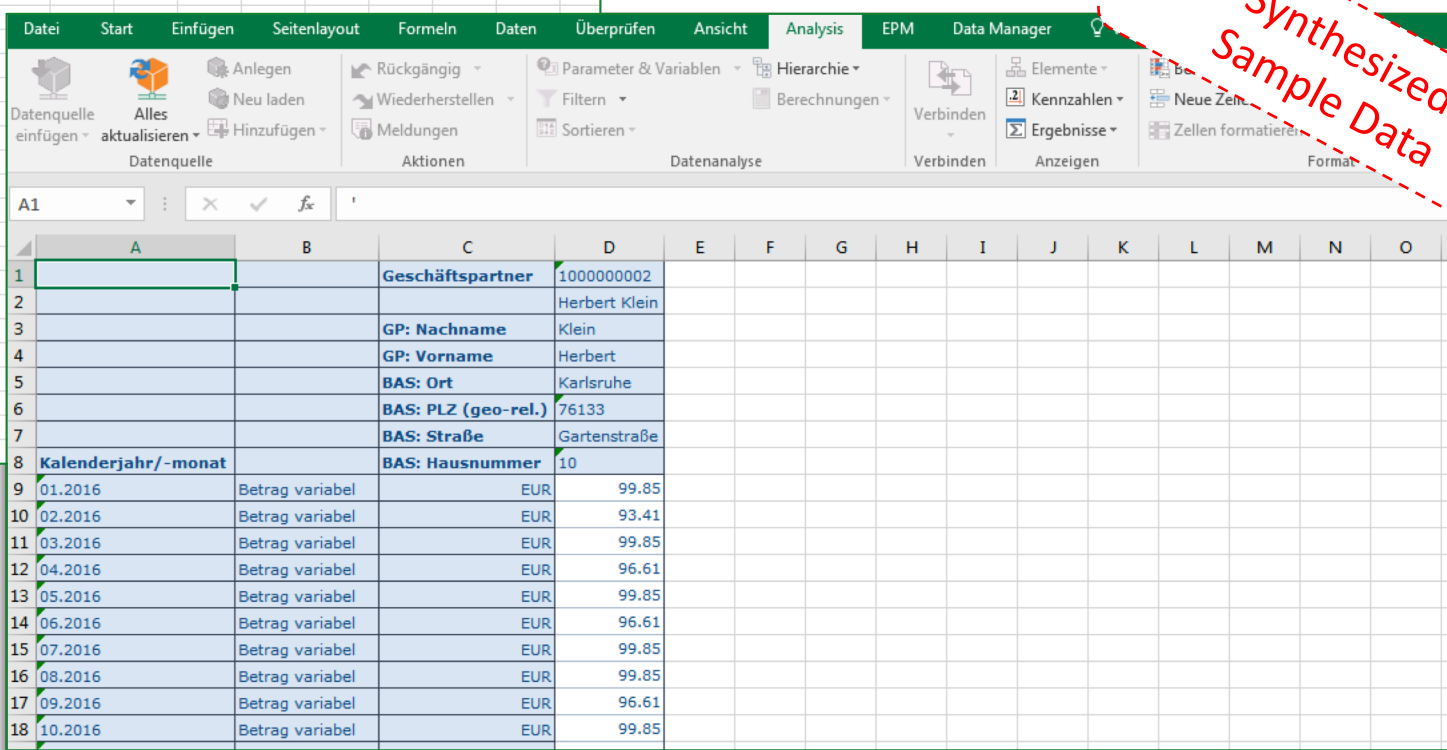
Before and after view (payment transactions)

Demonstration of the de-personalization of a business partner in Business Warehouse



The screenshot shows a SAP BW report before de-personalization. The report displays data for a specific business partner (GP: 1000000002, Dr. Sophie Fischer) across various months from 01.2016 to 01.2017. The data is organized into columns for month, amount, currency, and value.

Kalenderjahr/-monat	Betrag variabel	EUR	
01.2016	Betrag variabel	EUR	99.85
02.2016	Betrag variabel	EUR	93.41
03.2016	Betrag variabel	EUR	99.85
04.2016	Betrag variabel	EUR	96.61
05.2016	Betrag variabel	EUR	99.85
06.2016	Betrag variabel	EUR	96.61
07.2016	Betrag variabel	EUR	99.85
08.2016	Betrag variabel	EUR	99.85
09.2016	Betrag variabel	EUR	96.61
10.2016	Betrag variabel	EUR	99.85
11.2016	Betrag variabel	EUR	96.61
12.2016	Betrag variabel	EUR	99.85
01.2017	Betrag variabel	EUR	99.85



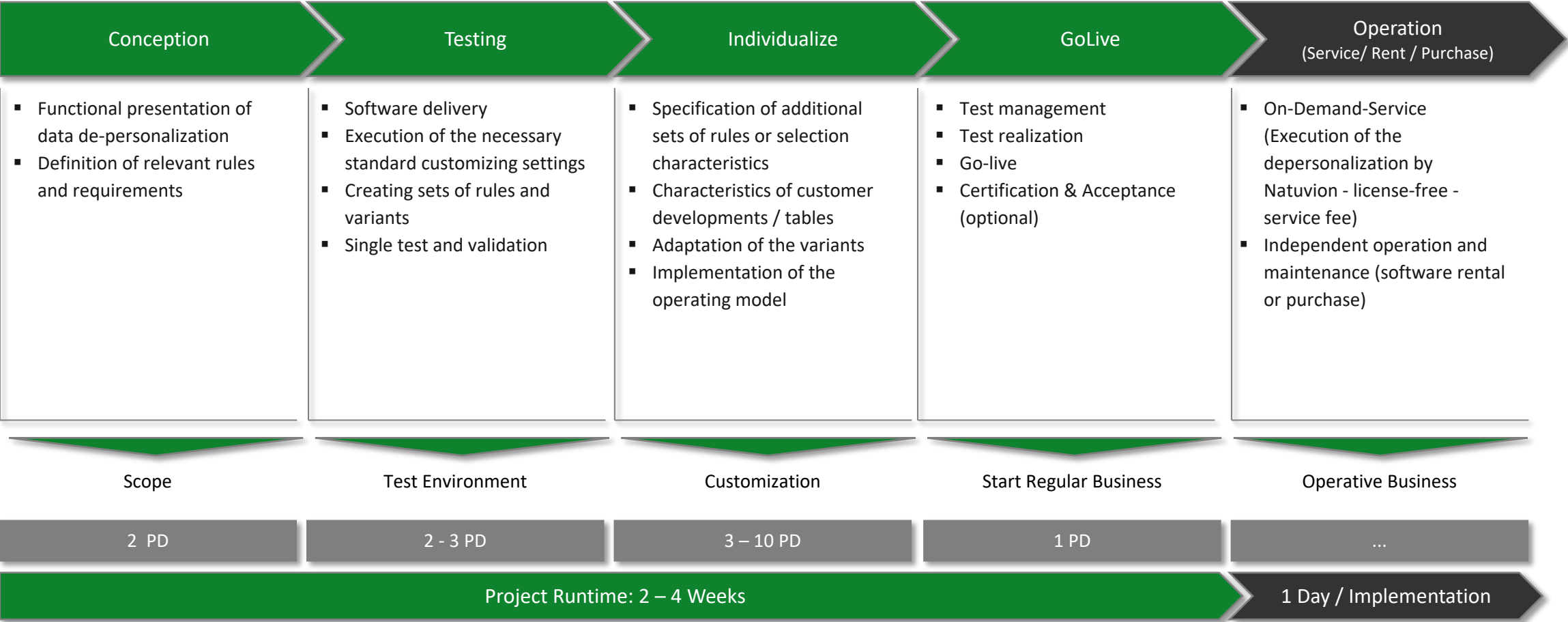
The screenshot shows the same SAP BW report after de-personalization. The data is now synthesized and represents a sample business partner (GP: 1000000002, Herbert Klein) across the same months. A red dashed box highlights the text "Synthesized Sample Data".

Kalenderjahr/-monat	Betrag variabel	EUR	
01.2016	Betrag variabel	EUR	99.85
02.2016	Betrag variabel	EUR	93.41
03.2016	Betrag variabel	EUR	99.85
04.2016	Betrag variabel	EUR	96.61
05.2016	Betrag variabel	EUR	99.85
06.2016	Betrag variabel	EUR	96.61
07.2016	Betrag variabel	EUR	99.85
08.2016	Betrag variabel	EUR	99.85
09.2016	Betrag variabel	EUR	96.61
10.2016	Betrag variabel	EUR	99.85

Before and after view (invoice reporting)

Introduction of De-Personalization

The solution can be implemented within a short and manageable project framework



1. **GDPR compliance by de-personalization of data in test, training and quality systems.**
2. **De-personalization of productive reporting and big data systems.**

Overview of Functionalities

- De-personalization of SAP and non-SAP systems (anonymization & pseudonymization)
- De-personalization of Business Warehouse Systems
- Integration (Trigger) with SAP ILM - Blocking and Erasing for SAP BW
- Restricted use also in productive systems
- Designed for extremely large data volumes (BW systems, mass data systems, big data)
- Data conversion across system boundaries - Synchronous data determination and pseudonymization
- Economically & legally certified solution
- Automatic determination of data with personal reference

Templates and Availability

- Compatible with NW 7.0 or later systems
- Runs on all SAP Business Suite Systems
- Predefined data models for SAP ERP
- Predefined data models for SAP IS-U / IS-H / IS-R / IS-T / Banking
- Predefined data models for SAP FI-CA
- Predefined data models for SAP SRM / SCM
- Predefined data models for SAP CRM
- Predefined data models for SAP HCM
- Predefined data models for SAP BW
- Training material in EN/ DE
- Over 100 productive installations

Contact us for more info on how we could carry out a test installation or a proof-of-concept for you!

S O P H I A supports you in identifying data with a personal reference and offers a wide range of processing options

Find 99% of personal data in your SAP systems

Overview of Functionality

- Covers all SAP system landscapes
- Covers all data / fields with personal reference (customer tables, table field enhancements,...)
- Combination of DDIC-based structure search and semantic/content-based search
- Data scan: finds all table fields that contain "suspicious" data (direct and indirect personal reference)
- Content scan: finds table fields with direct personal reference, based on the content
- High performance parallelization

Why do you need Sophia?

- Sophia drastically reduces the effort involved in introducing a de-personalization strategy
- Sophia provides the basis for the introduction of a data life cycle strategy
- Sophia helps you to identify the scope of the information
- Sophia helps to prioritize the topics of her GDPR / Data Privacy Strategy
- Sophia delivers substantiated results within the framework of compliance audits and controls

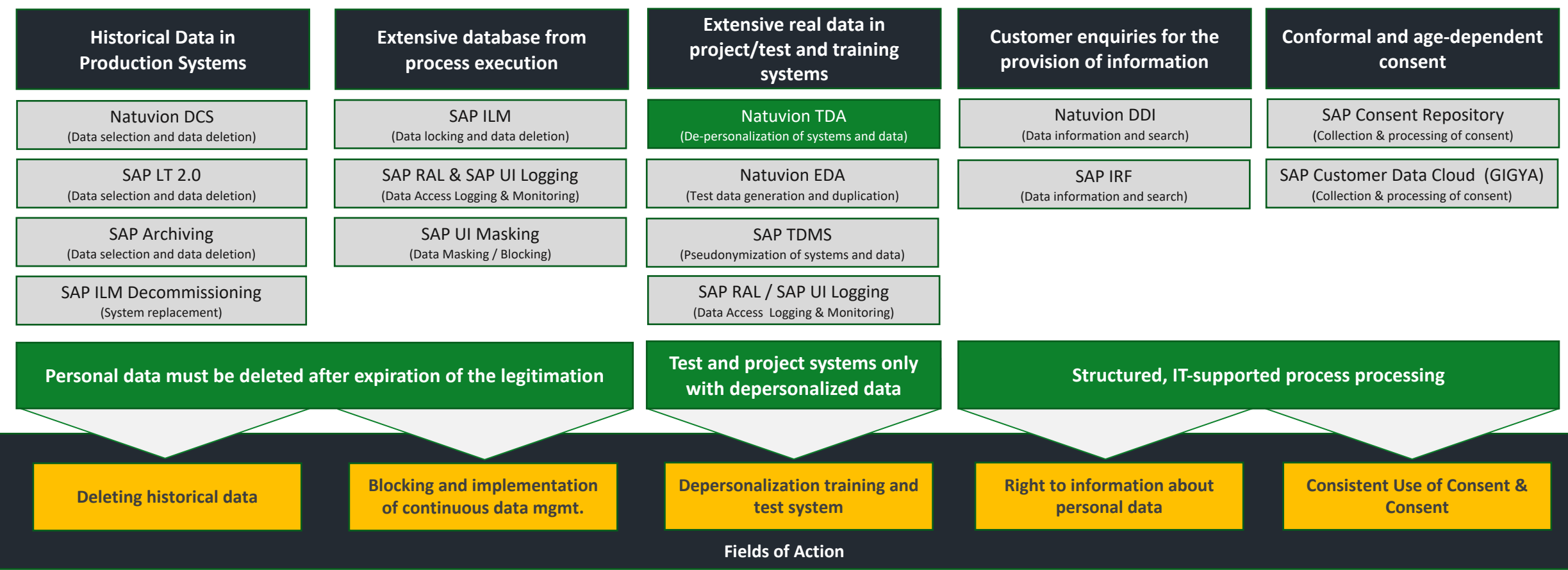
keine Lizenzkosten

Sophia drastically reduces manual effort in data protection projects by analyzing and automatically identifying all personal data in a system / system landscape

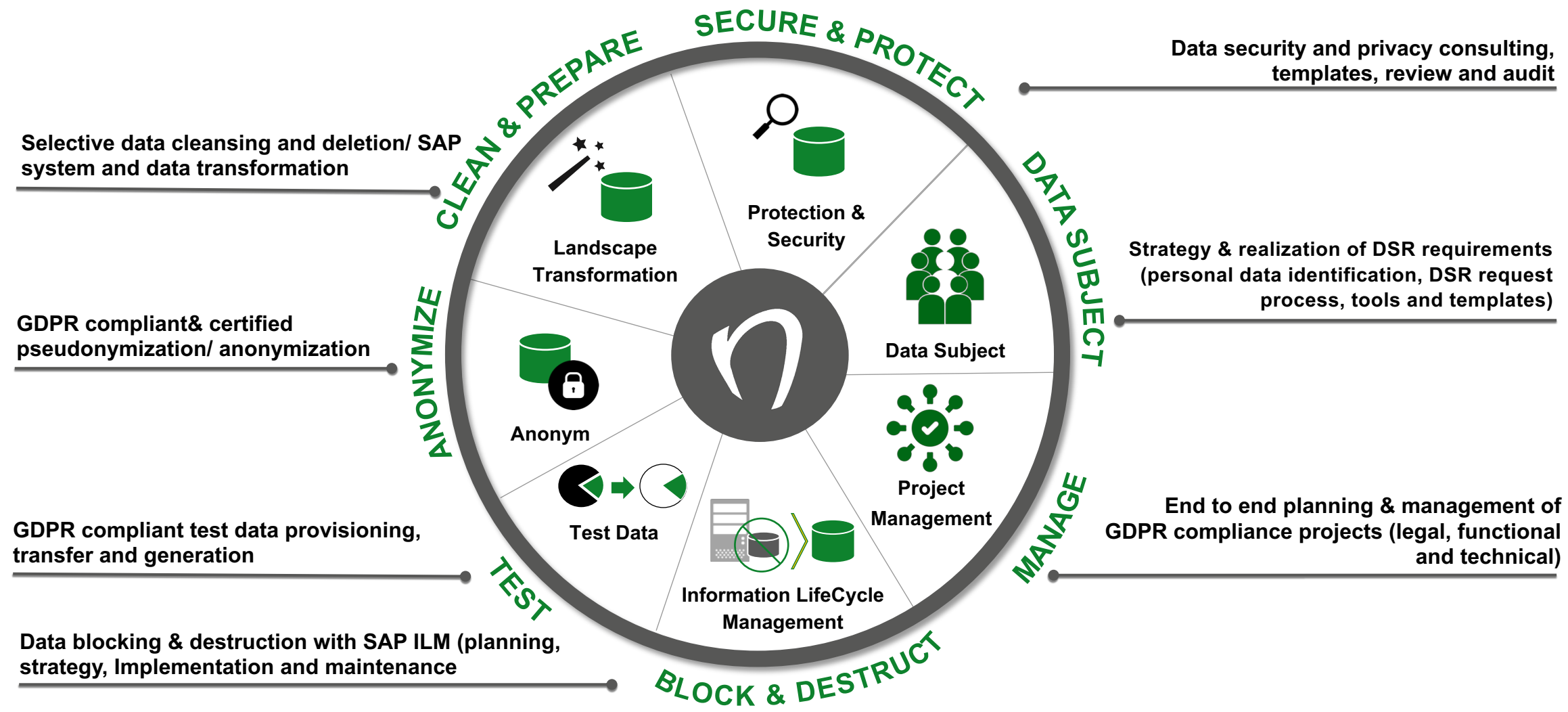
SAP & Natuvion's Solutions offer an Effective Data Governance Model Solution Roadmap



There are 99 articles, about 80 new requirements and many technical solutions. The following Natuvion Solution Roadmap sheds light and helps you to select the right solutions.



Natuvion's GDPR Portfolio for S/4 HANA, SAP Business Suite, SAP Human Capital Management and SAP Cloud Based Solution Portfolio



We support you with our profound and certified expertise in the area of
Data Privacy, Protection & Governance



1 Contact



Contact us



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