



Privacy in IoT

The unique opportunity to learn and discuss where the Internet of Things meets GDPR, and where Hyperconnectivity meets Privacy & Security. Who wouldn't be totally confused!? In our Open Webinars, Arthur's Legal will address the Pains & Gains of the GDPR, X By Design & Resilience.



Arthur
van der Wees



Dimitra
Stefanatou



Janneke
Breeuwsma

Arthur's Legal organizes seven (7) webinars on Privacy in IoT with the focus on GDPR, supported by AIOTI and Create-IoT

Go to arthurslegal.com/iot/ for more information and subscription for the webinars.



Privacy in IoT

Open Webinars by Arthur's Legal, supported by:
AIOTI WG3 Privacy-in-IoT Taskforce, and
H2020 CSA CREATE-IoT & LSPs AG Trust in IoT

Arthur van der Wees

Managing Director Arthur's Legal, the global tech-by-design law firm & strategic knowledge partner

Expert Advisor to the European Commission (Cloud, IoT, Data Value Chain, Cybersecurity, Privacy & Accountability)

Project Leader H2020 IoT LSPs & CSAs Activity Group on Trust, Security, Privacy, Accountability & Liability

Founding Member, EC's Alliance for IoT Innovation (AIOTI)

Task Force Leader AIOTI Security in IoT & Privacy in IoT



Privacy in IoT Open Webinar Series

Webinar 1: GDPR: Processing, Protection, Security & Strategies

Webinar 2: X-by-Design: Upstream & Downstream Resilience

Webinar 3: State of the Art Privacy Principles & Requirements

**Webinar 4: Consent Management & Engagement in IoT
Right Now!**

**Webinar 5: Compliance, Accountability, Assurance & Penalties
Wednesday 9 May 2018, 10.00 - 11.00 CET**

**Webinar 6: IoT Ecosystems, Pre-Procurement & Collaboration
Wednesday 16 May 2018, 10.00 - 11.00 CET**

**Webinar 7: Data Subject Rights & Data Management in IoT
Wednesday 23 May 2018, 10.00 - 11.00 CET**



Please subscribe to the Privacy in IoT Mailing List at: www.arthurslegal.com/IoT, in which we will keep you up to date with dates, login details and the latest news on the GDPR, Privacy in IoT and related topics.



AIOTI
ALLIANCE FOR INTERNET OF THINGS INNOVATION



European
Large-Scale Pilots
Programme

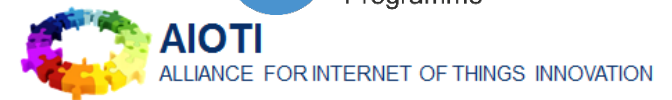


Privacy in IoT

Webinar Nr. 4

Opting-In on IoT

Consent Management & Engagement in IoT



Smart Everything



Hyperconnected, accountable Value Chain towards the Customer: B2x, G2x, C2x

Verticals

Digital Services

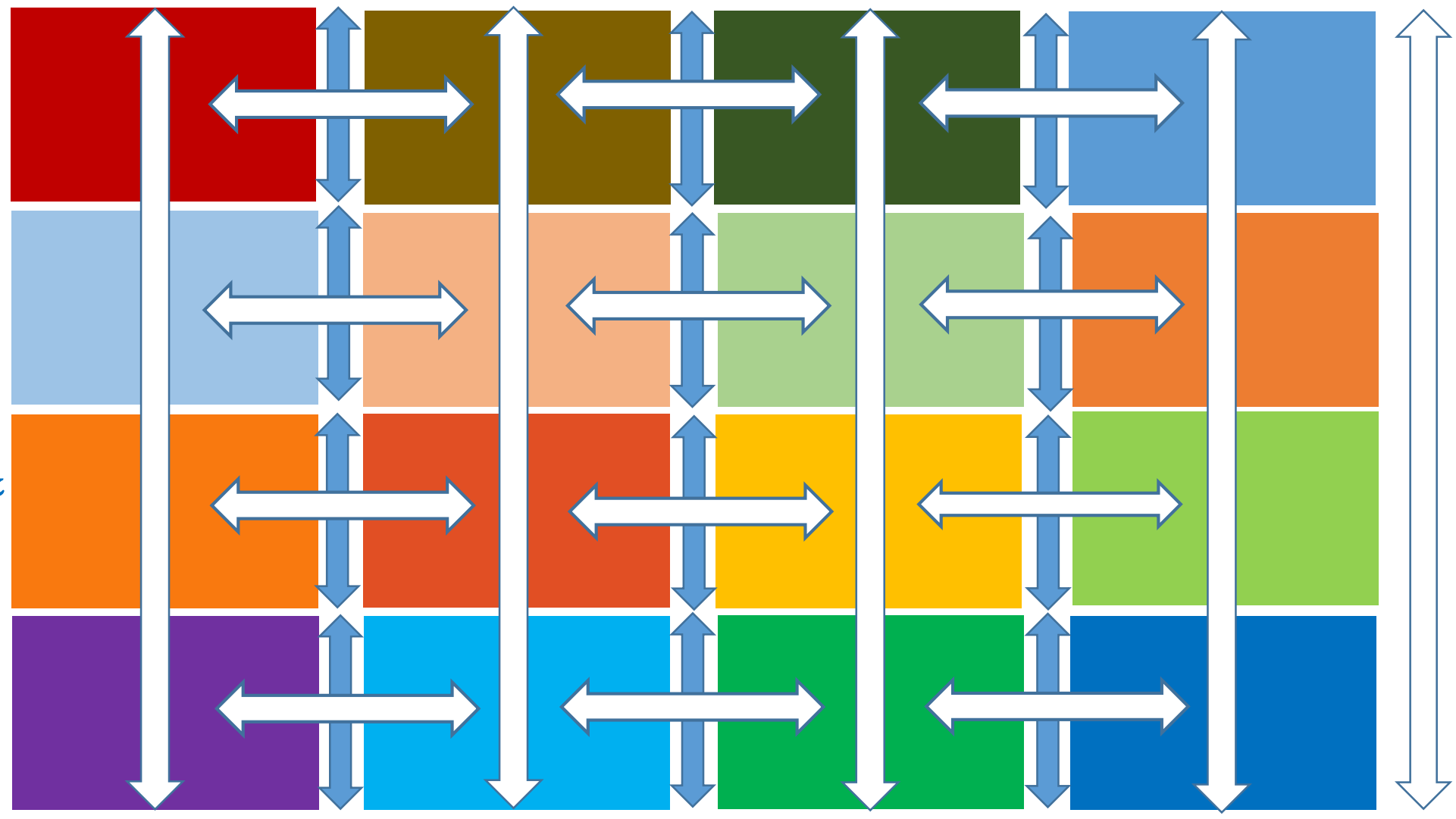
Data

Devices & Software

Infra & Networks

Horizontals

Vertical & Horizontal Value Chains



1. Transparency
2. Trust
3. Engagement

Priority: Transparency First

1. Demystifying Policy, Legal & Compliance
#TransparencyFirst #Visualize

2. Structure & Make Understandable, Ground Up
#Back to Basics #SamePage #BuildTrust #Systemize

3. Deploy & Iterate on Workable, Multi-Layered Frameworks
#Recognize #byDesign #Durable #Sustainable #User-Centric

From 2018, Digital & Data become Highly Regulated Domains

PSD2: 13 January 2018

NIS: 9 May 2018

Identifying operators of 'Essential Services'
9 November 2018

GDPR: 25 May 2018

Trade Secrets Directive 9 June 2018

e-Privacy Regulation (draft)

Free Flow of Data Regulation (draft)

Cyber Security Act & Certification Scheme (draft)

Public Services Information Directive (revision)

1 January 2018

All rights reserved, Arthur's Legal B.V.

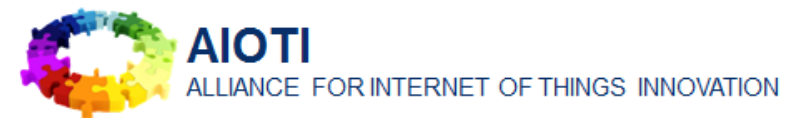
GDPR = GPDPMPS Regulation

Personal Data Collecting & Other Processing
Personal Data Protection & Security
Personal Data Management

23 Days

to Effective Date GDPR

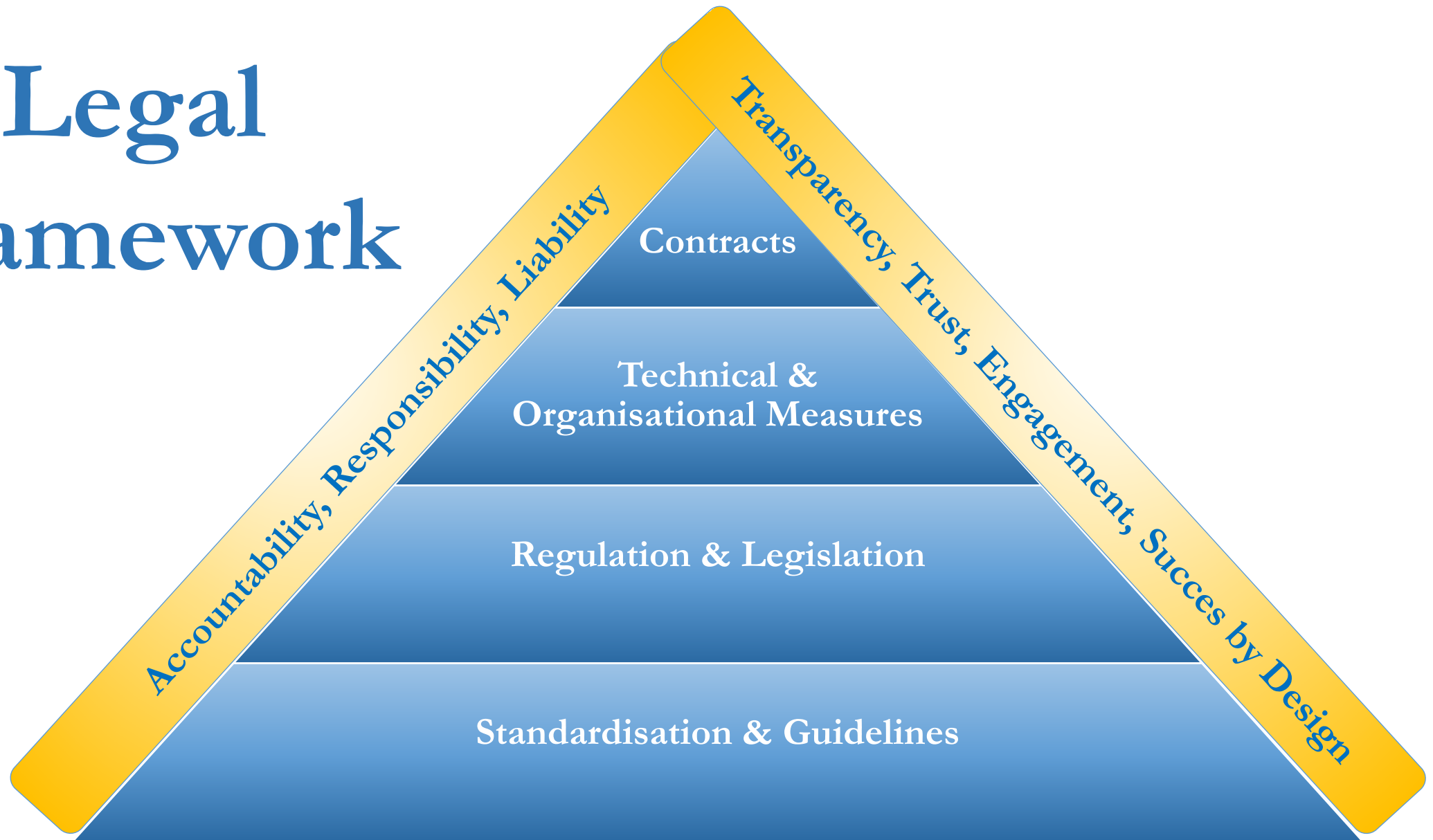
25 May 2018



Engagement



Legal Framework



**Customer, the Data Subject,
entrusts its Personal Data
to the Data Controller,
as its Custodian**

Data Control

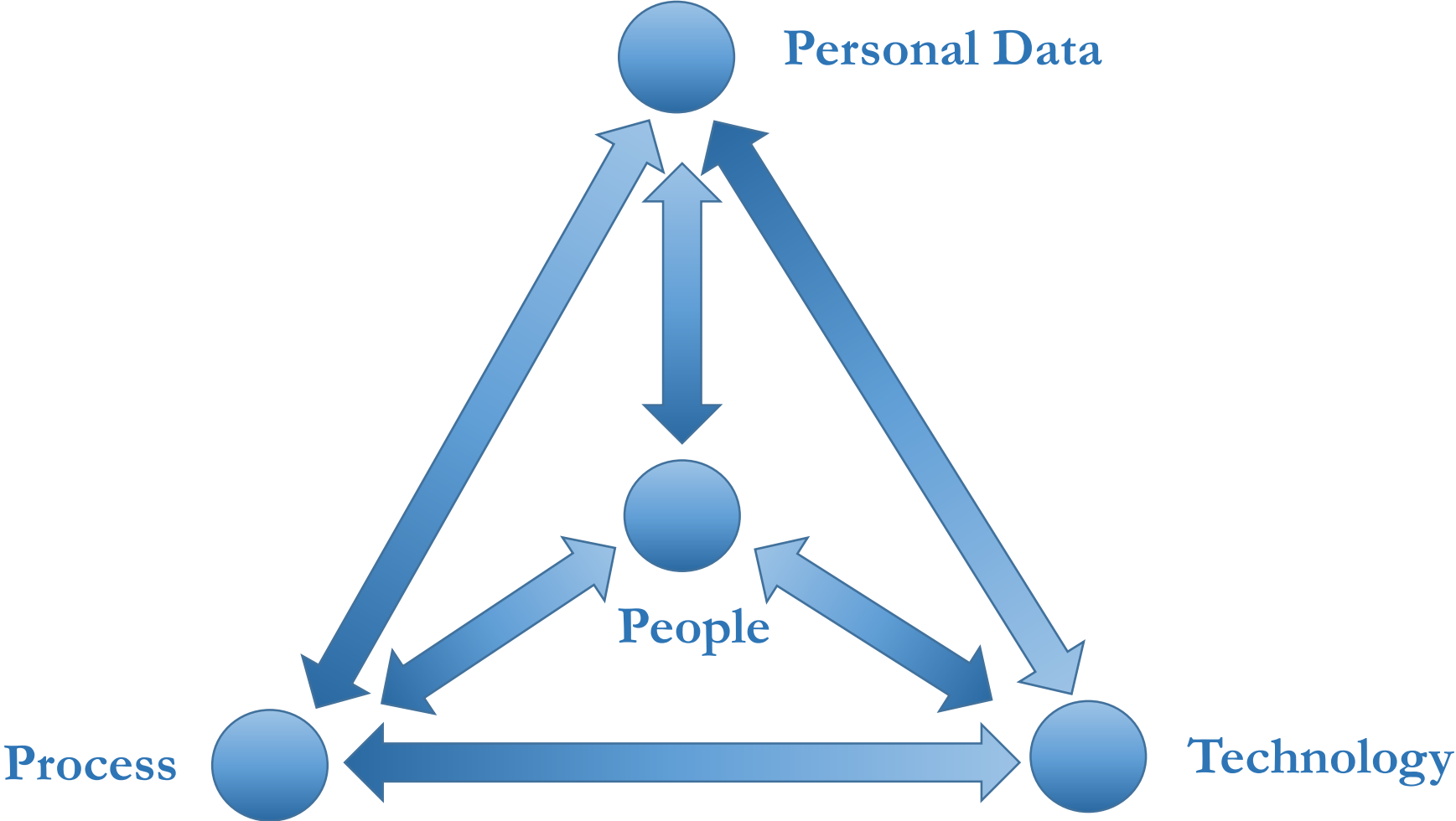
A data subject should at all times be able to have control over its personal data.

Data Access

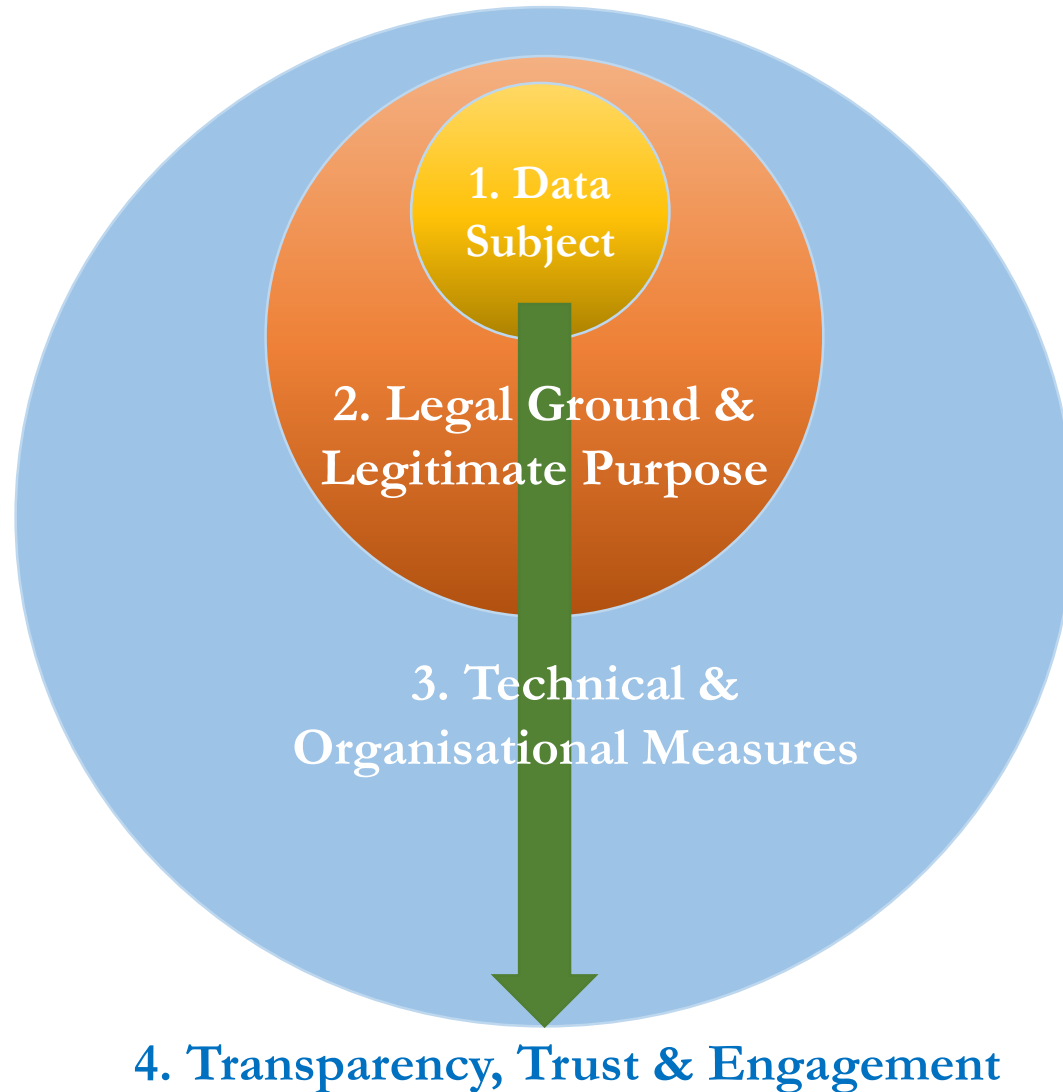
Use & DRM

People, Process, Technology & Personal Data

Human-Centric Organisations & Systems



Engagement within GDPR



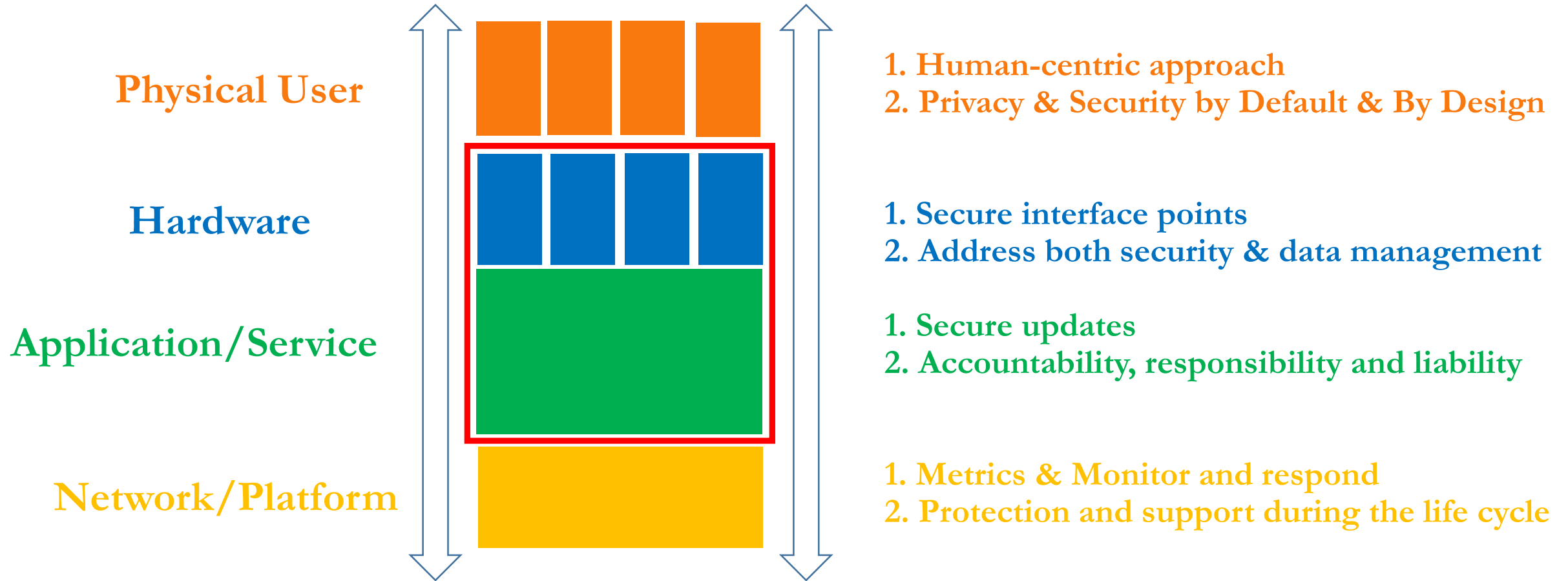
Data Strategy

Data Segmentation

Data Classification

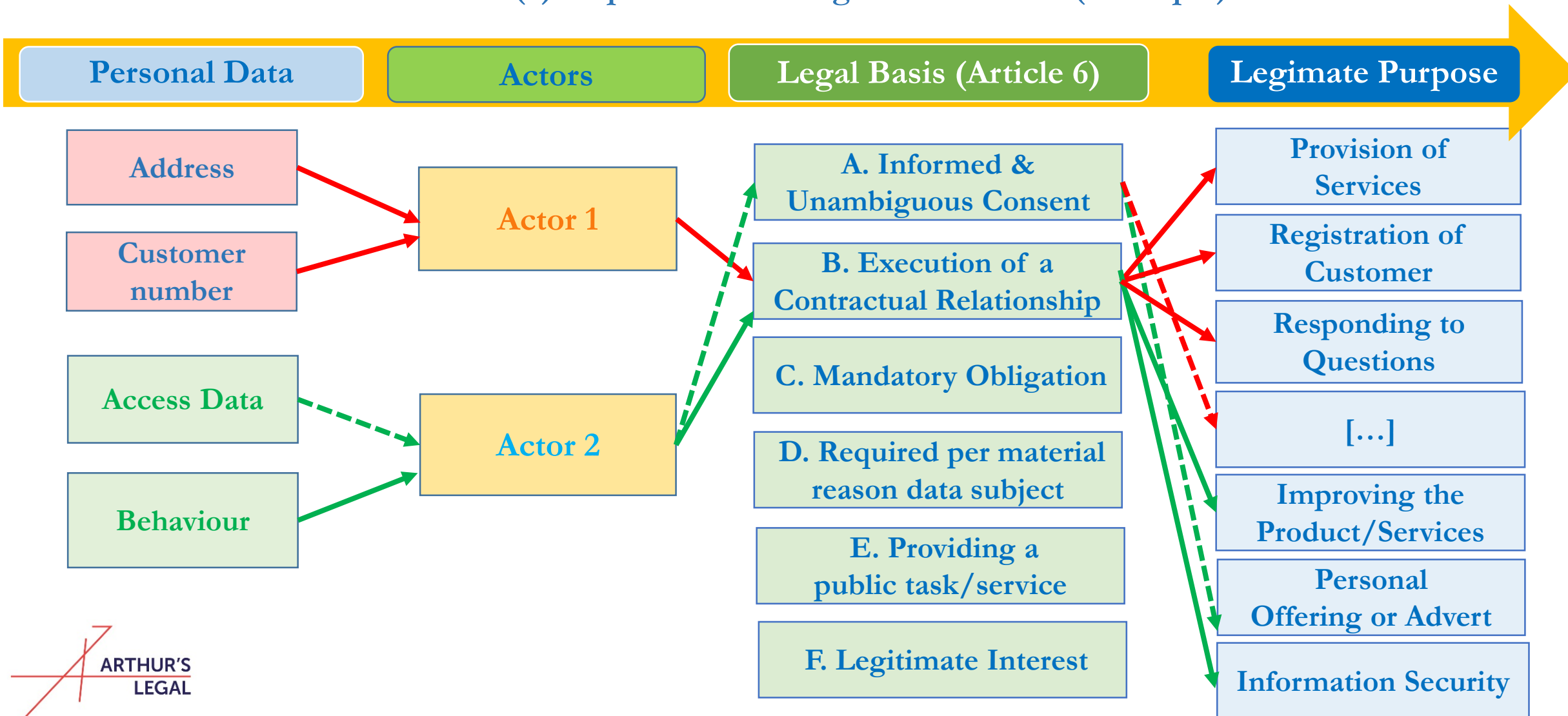
Human-Centric Data Architecture

Hyper-compliant, Accountable Data/ Hyperconnected Service Robot (Example)



Example of Data Relation Flows between Personal Data, Actors, Legal Grounds & Purpose

First four (4) Steps of Processing Personal Data (Example)



Justification Grounds = The Sole Window

1. **Unambiguous Consent:** Freely given specific and informed
2. **Performance of a contract:** Necessary for the performance of an Agreement with the data subject in question
3. **Legal Obligation:** Comply with a legal obligation
4. **Protecting vital interests of the data subject**
5. **Performance of a public law duty:** By an administrative body
6. **Legitimate Interest:** The legitimate interest of the controller or recipients of the personal data , only when the fundamental rights and freedom of the data subject would not prevail.

Data Subject Unambiguous Consent

Consent

Any freely given, specific, informed and unambiguous indication of the data subject's wishes by which he or she, by a statement or by a clear affirmative action, signifies agreement to the processing of personal data relating to him or her.

Data Subject Unambiguous Consent

The consent should be:

1. **Freely given, AND;**
2. **Specific, AND;**
3. **Informed, AND;**
4. **Explicit:** A clear and unambiguous indication of a data subject's wishes.

Conditions for Consent

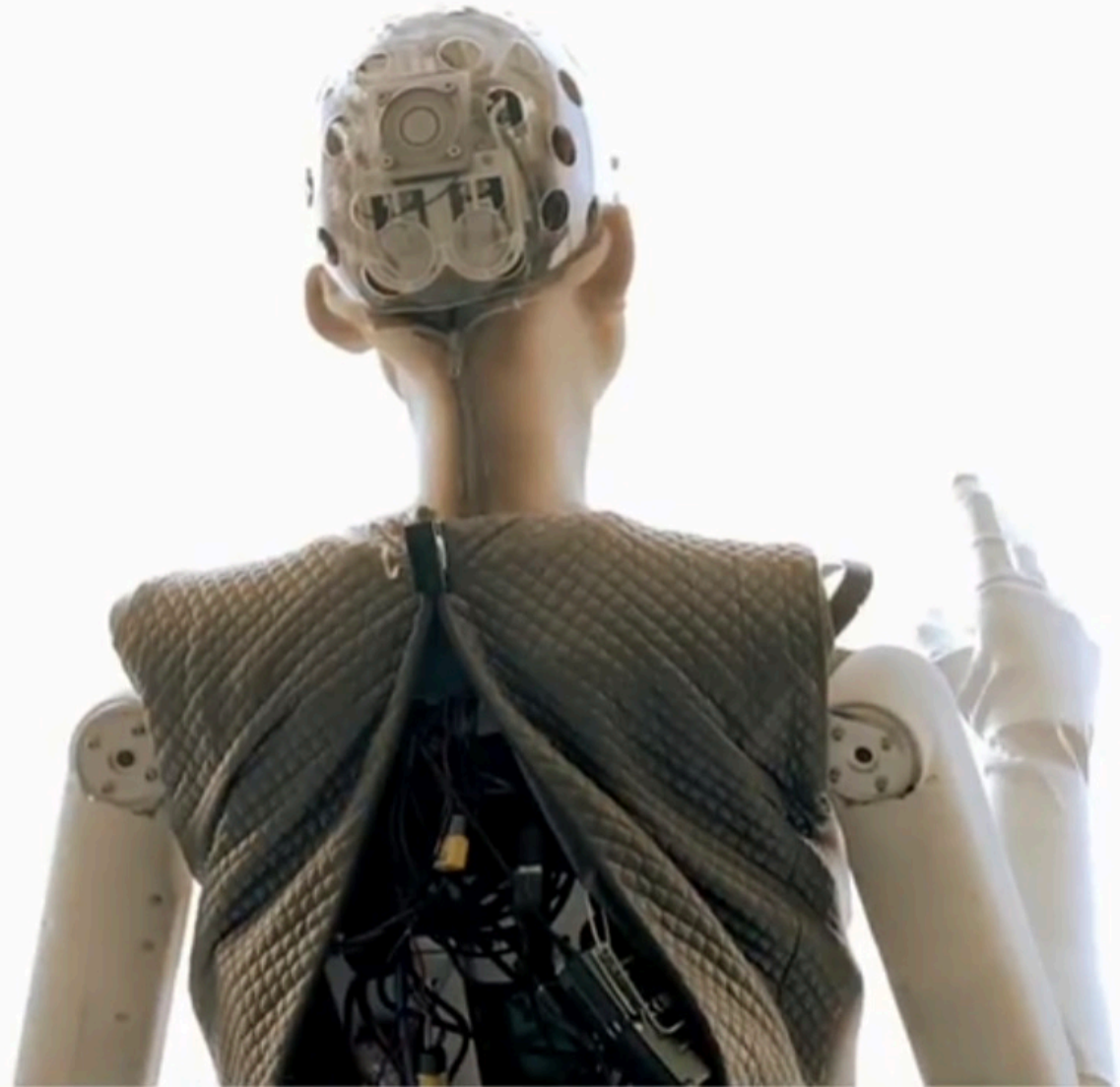
1. Controller to **demonstrate** that data subject consented.
2. Request for consent **clearly distinguishable** from the other matters, in an intelligible and easily accessible form, using clear and plain language.
3. **Withdrawal of consent at any time.** Easy to withdraw as to give.

Cognitive Conversational Humanoid who Cares, by Default & By Design

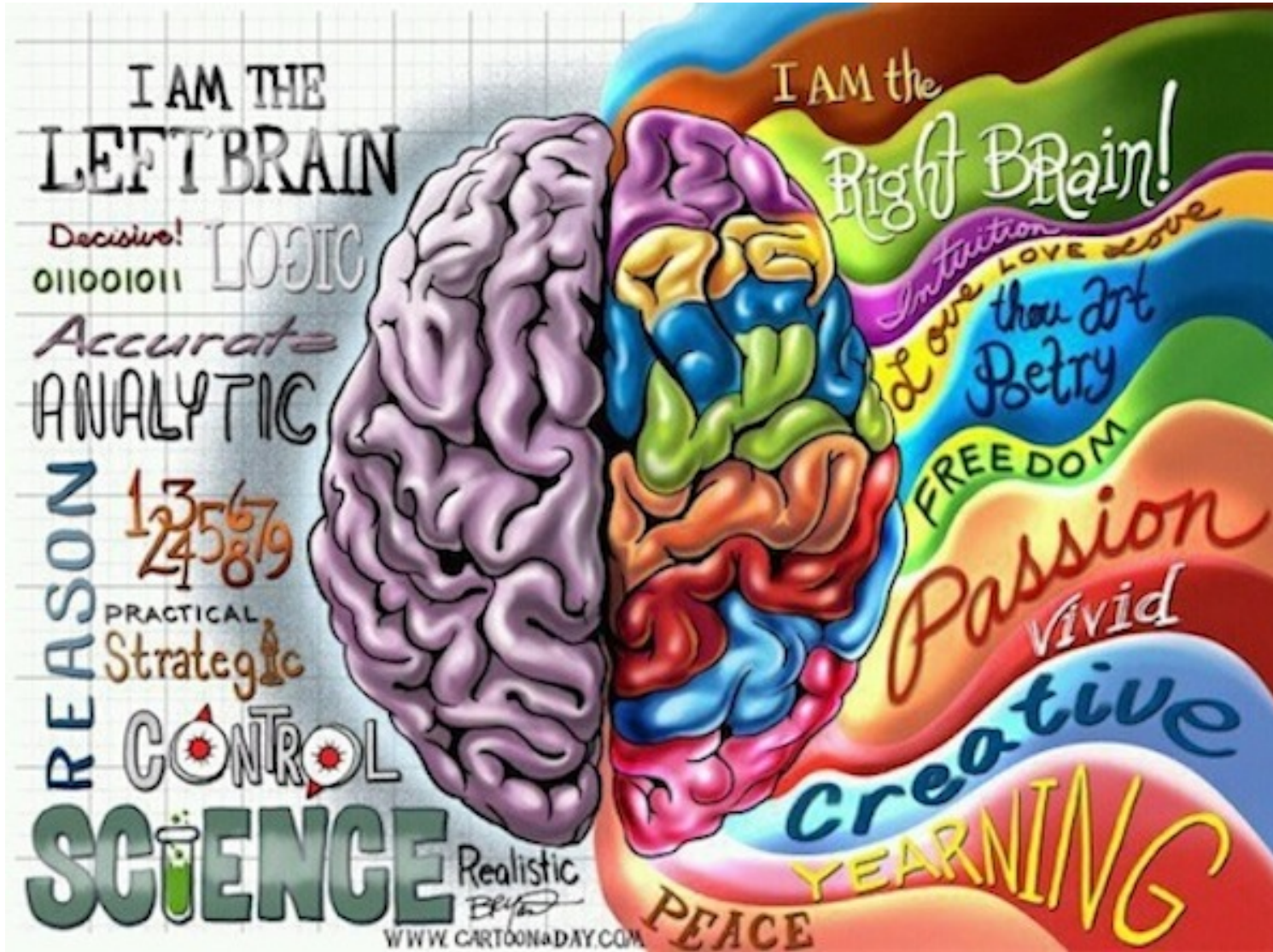
How can an Accountable
Service Robot Obtain an
Unambiguous Consent?

#AlwaysOn

And how can it
demonstrate that?



Man & Technology Symbiosis: Hyperconnectivity!



Q&A:
Anything
Goes!

vanderwees@arthurslegal.com

Arthurslegal.com
[@Arthurslegal](https://www.instagram.com/Arthurslegal)

Arthur's Strategic Services & Systems } Global Tech & Strategies by Design. Est. 2001

Arthur's Legal: Arthur's Legal a global tech and strategic x-by-design law firm. Arthur's Legal is founded in 2001 and since its incorporation provides integrated full services, and mainly focuses on local and global private and public organizations that are active as customer, user, vendor, integrator, consultant, legislator or policy maker in the fields of IT, licensing, cloud computing, internet of things, data analytics, cybersecurity, robotics, distributed ledger (block chain) technology and artificial intelligence. Arthur's Legal is also a leading deal making expert; it has already structured and negotiated out more than 5.000 major technology and related deals with and for global Fortune companies as well as other major organizations in the public and private sector worldwide.

Arthur's Global Digital Strategies: The counsels of Arthur's Legal are legal experts, strategists, technologists, standardization specialists and frequent speakers worldwide, with in-depth experience and are well-connected in the world of technology, combinatoric innovation, data, digital, cybersecurity, (personal) data protection, standardization, risk management & global business. On these topics, its managing director Arthur van der Wees LLM is expert advisor to the European Commission, Dutch government as well as other public and private sector organizations and institutes worldwide.

Trust, Digital Data, Cybersecurity, Algorithms, AI, Robotics & Internet of Things: Arthur's Legal is Founding Member of European Commission's (EC) Alliance of IoT Innovation (AIOTI), Co-Chair of AIOTI WG4 (Policy), Project Leader of both the AIOTI Security in IoT and Privacy in IoT taskforces, co-author of EC's Cloud SLA Standardisation Guidelines, co-author of Cloud Security Alliance's Privacy Level Agreement (PLA) 2.0, co-contributor to ISO standards such as ISO/IEC 19086 (Cloud Computing), co-author of the IERC Handbooks 2016 (Strategic & Legal Challenges in IoT) and 2017 (Security & Privacy in IoT), member of ESCO and co-author of the Dutch National Smart Cities Strategy. Arthur's Legal is co-founder of CloudQuadrants on the maturity of cloud offerings, the Cyberchess Institute that landscapes the real-life cybersecurity arena, the Cyber Trust Institute that sets trust trajectories and orbital requirements and parameters for technology-as-a-service, the Institute for Next Generation Compliance that promotes the restructuring and automation of compliance and related procurement, and the Institute for Data and Evidence Based Trust that aims to build and enhance trust and data protection in open, decentralized digital, cyber-physical and virtual ecosystems. Furthermore, Arthur's Legal is EC H2020 project IoT CREATE consortium partner and activity group leader on trust, security, safety, privacy, legal and compliance topics in IoT in five EU large scale pilots on smart healthcare, smart cities, wearables, smart farming, food safety and autonomous vehicles with EUR 250M of accrued EC and other funding. Together with IDC Arthur's Legal is also doing research and policy making for the Commission on data portability & application portability. One can build it's own AI with Zapplied.

Connected & Hyper-connected: Arthur's Legal has an unique interdisciplinary 3D-angle & x-by-design approach, connecting vital topics such as usability, security, data management, (personal) data protection, compliance with technology, infrastructure, architecture and global standardization thereof, with the capability and ability to connect those components in hyper-connected ecosystems much earlier (read: pro-active, preventative) than the traditional policy-making, legal and compliance practice does. For upcoming events, key notes and other activities, please check out website, stay up to date via its social media channels, or contact us.



www.arthurslegal.com | vanderwees@arthurslegal.com





Trustworthy Internet of Everything & Everybody for the Wellbeing of People and Planet

Legal Notices

All rights reserved, Arthur's Legal. The content of this document is provided 'as-is' and for general information purposes only; it does not constitute strategic, legal or any other professional advice. The content or parts thereof may not be complete, accurate or up to date. Notwithstanding anything contained in this document, Arthur's Legal disclaims responsibility (including where Arthur's Legal or any of its officers, employees or contractors have been negligent) for any direct or indirect loss, damage, claim, or liability any person, company, organisation or other entity or body may incur as a result, this to the maximum extent permitted by law.