

ATTRIBUTE DATA SHARING

How & why get identified without sharing too much data

MARTA FYDRYCH-GĄSOWSKA

TOO MUCH DATA

In many cases, it is sufficient to get evidence that a data subject meets specific criteria or has a specific property rather than sharing her identity properties and then calculating whether these properties are being met or not.



EXAMPLE: ONLINE AGE CHECKING



First, let's make sure you're of a legal drinking age in your location.

DD MM YYYY

YOUR LOCATION

I agree that by entering this website, delicious cookies may be stored on my device for certain functionality to work as originally intended.



Attribute-based
credentials
because
everything
is personal data

ATTRIBUTES & CREDENTIALS

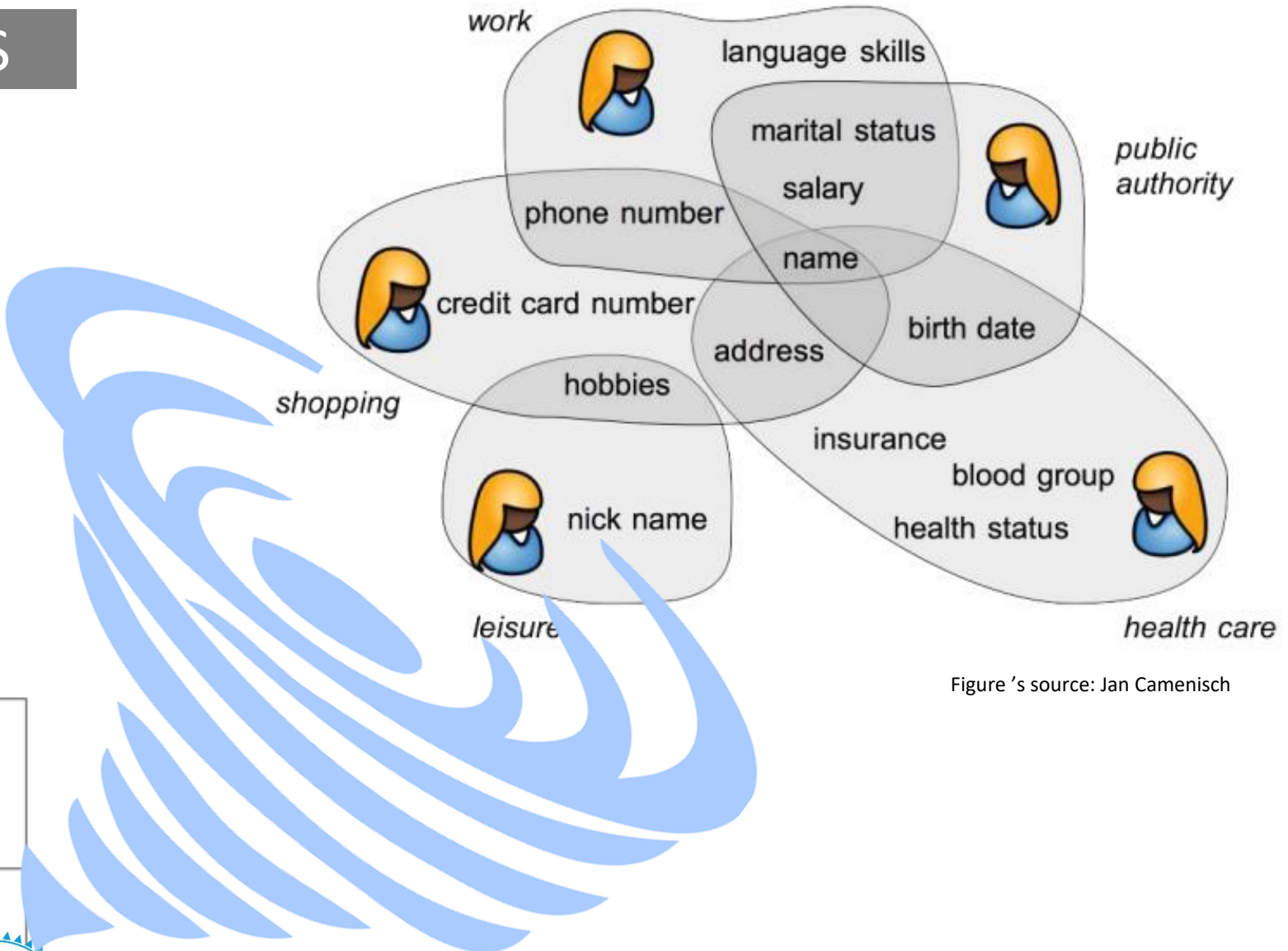
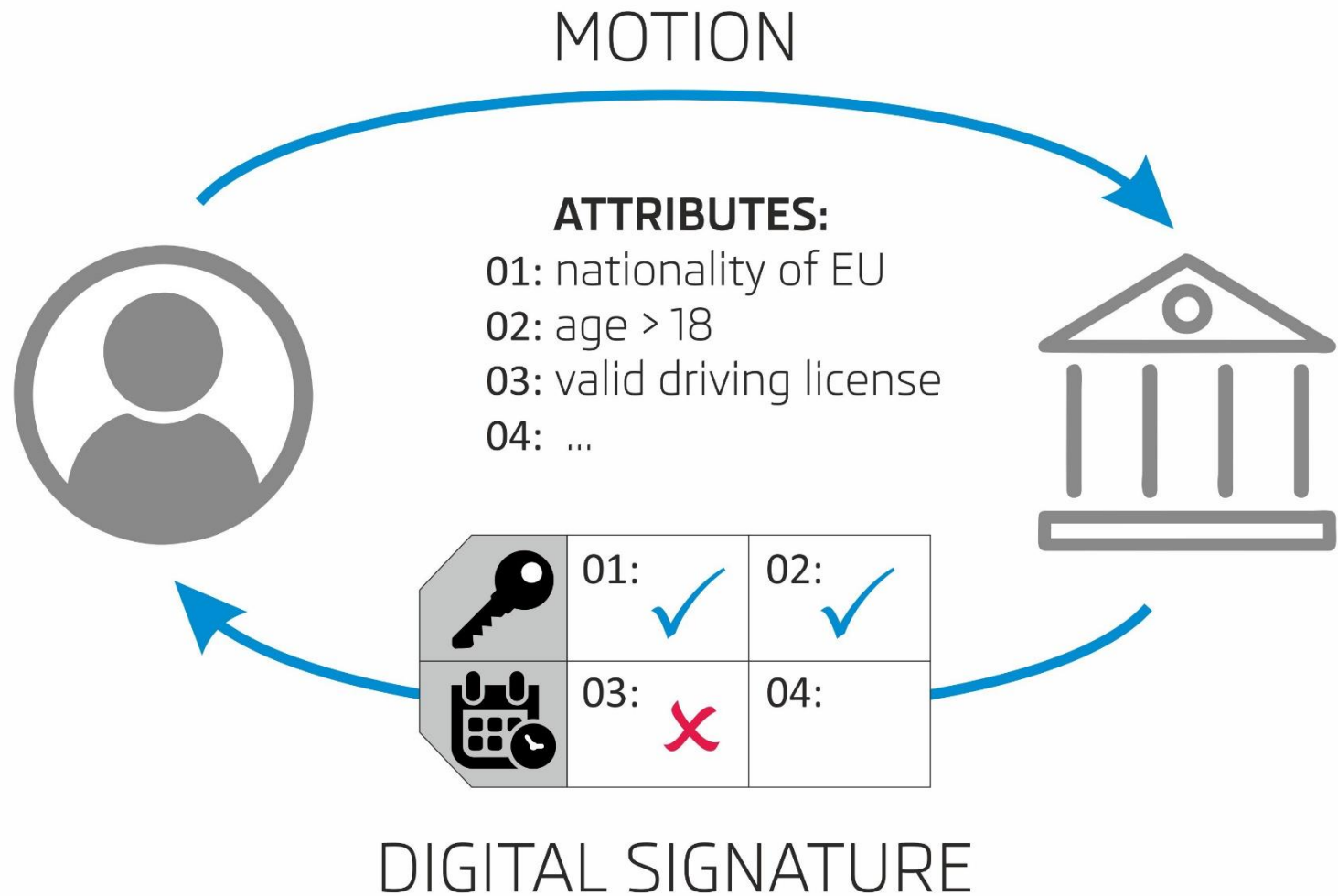


Figure 's source: Jan Camenisch

	01: ✓	02: ✓
	03: ✗	04:

HOW ABCs ARE ISSUED?

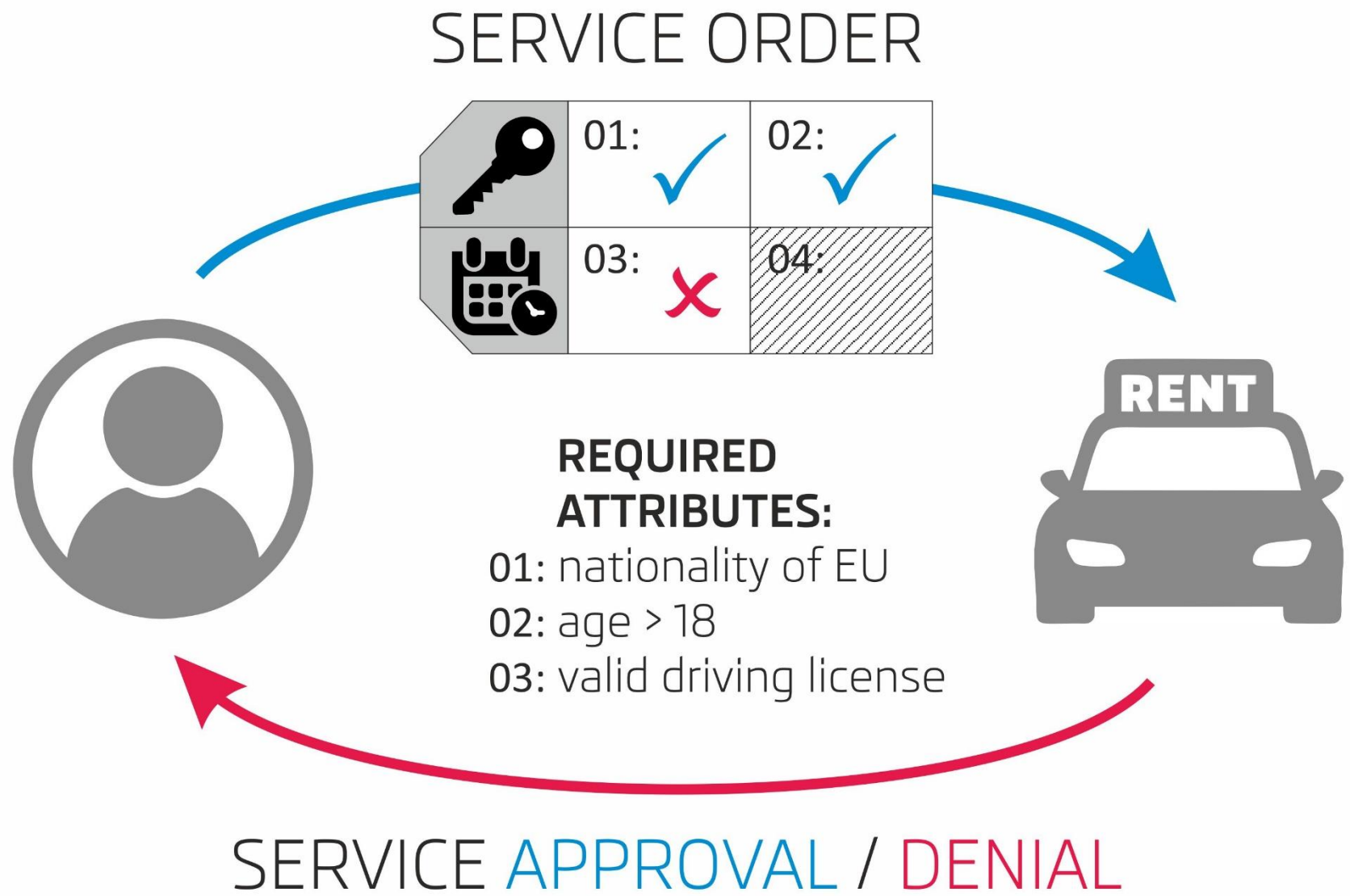


EXAMPLE: CAR RENT

Only few attributes are needed to verify client



HOW DOES IT WORK?



POSSIBLE USES

Limiting online cybersecurity learnings only for citizens of countries that are not officially regarded as a terrorist states.

Public services, e.g. services only for habitants of specified area, province, etc.

Cookie preferences encoded on the ABCs – websites read settings encoded on the smart card and adjust cookies to them.

Account creating in social media using ABCs as the only way to sign in and authenticate your identity at this level.

THANK YOU!

 [HTTPS://WWW.LINKEDIN.COM/IN/MARTA-FYDRYCH-GASOWSKA](https://www.linkedin.com/in/marta-fydrych-gasowska)