

European Self Sovereign identity framework



Daniel Du Seuil
Program manager Blockchain, Information Flanders
Convenor ESSIF in EBSI
daniel.duseuil@kb.vlaanderen.be

‘We cannot build services for the post-industrial age using the identity infrastructure of the industrial age. We need a new digital identity infrastructure.’

- David Birch





When we think of digital identity we therefore need to see it not as a single thing. It is rather the sum total of all the attributes that exist about us in the digital realm, a constantly growing and evolving collection of data points.

Definition digital identity

EU blockchain observatory report on digital identity and blockchain

https://www.eublockchainforum.eu/sites/default/files/report_identity_v0.9.4.pdf



Challenges (digital) identity?

Authenticity diploma?





Identity refugees?

Getting a loan or subsidy?



ENTER

Checking your age?

I'M OVER 18

GO BACK

PROFILES | GROUPS | PHOTOS | VIDEOS | LIVE | MORE



Customer experience?

A kaart

Goesting in 't stad

A kaart

Goesting in 't stad

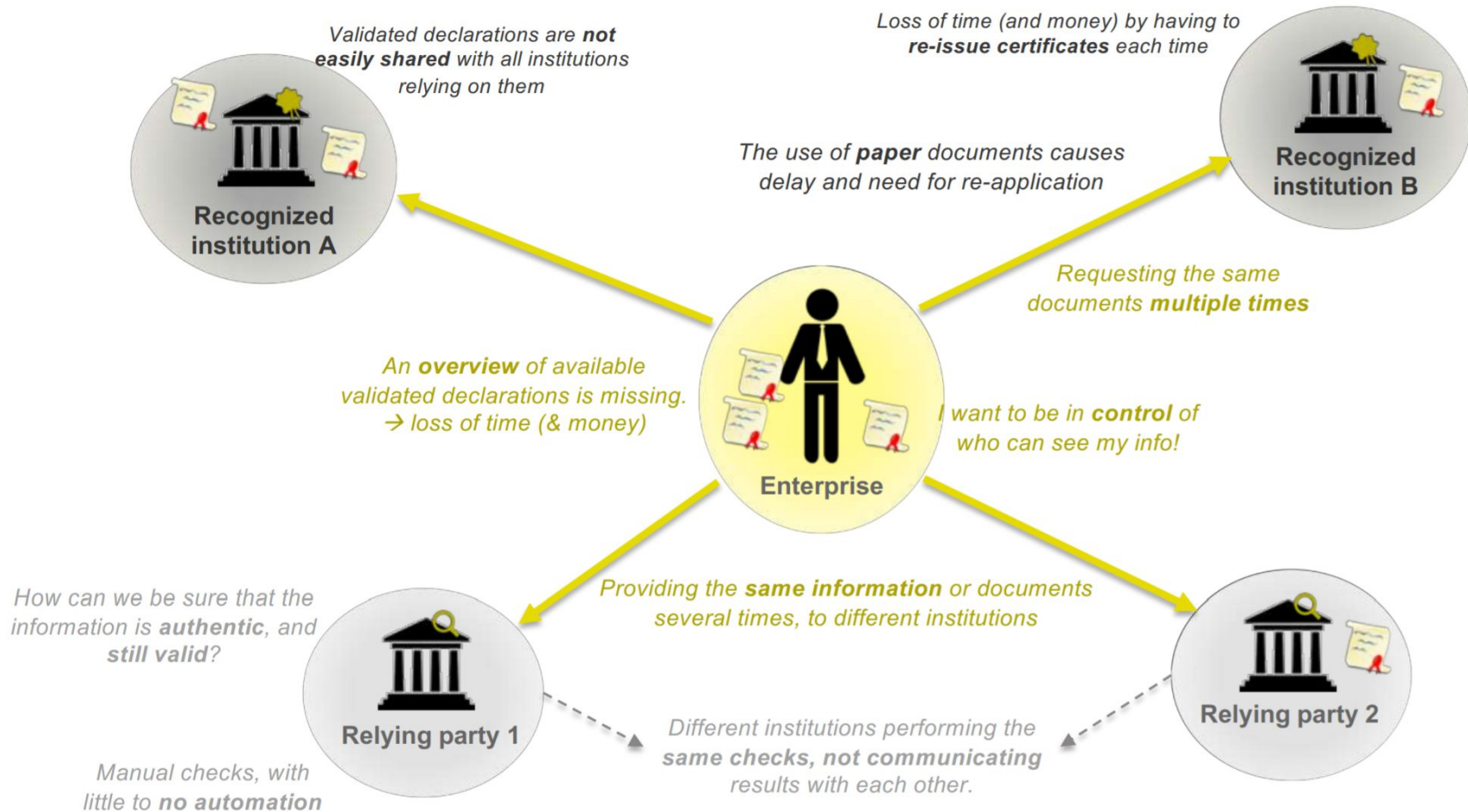


Local identity?



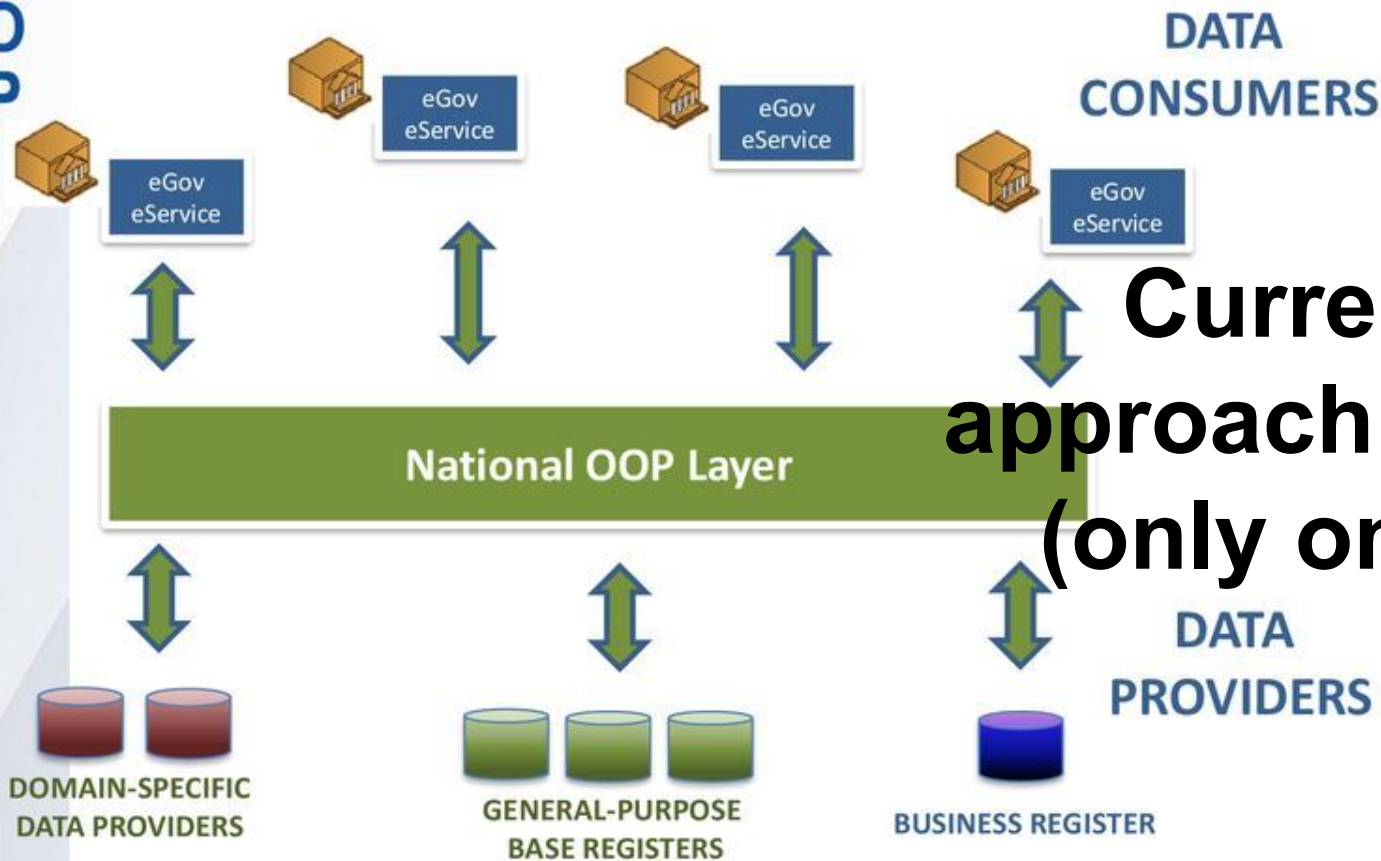


Current approach in EU (public/private)






The Once-Only Layer at a national level



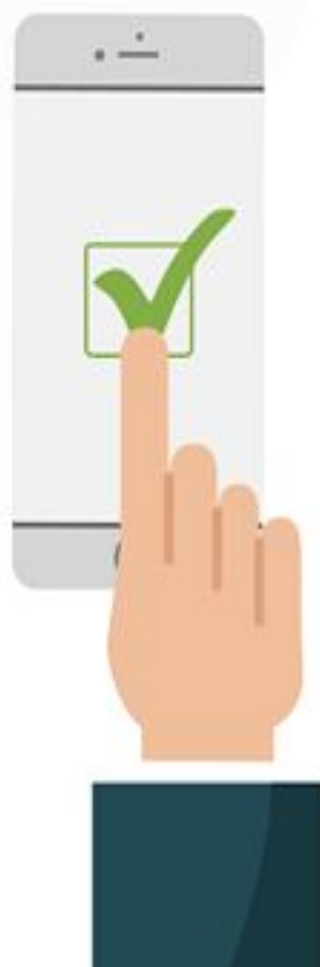
**Current
approach in EU
(only once)**



**Linking authentic
public/private sources?**



Explicit consent in the new **General Data Protection Regulation**



A photograph of Mark Zuckerberg and other individuals seated at a long table during a formal hearing. Mark Zuckerberg is in the foreground, wearing a dark suit and a blue tie, looking towards the right. To his left, a woman with blonde hair in a black jacket and green top is also looking right. Behind them, another man in a grey suit and light tie is visible. The setting appears to be a congressional hearing room with microphones and water bottles on the table.

a global identity approach ...



and another global identity approach ...



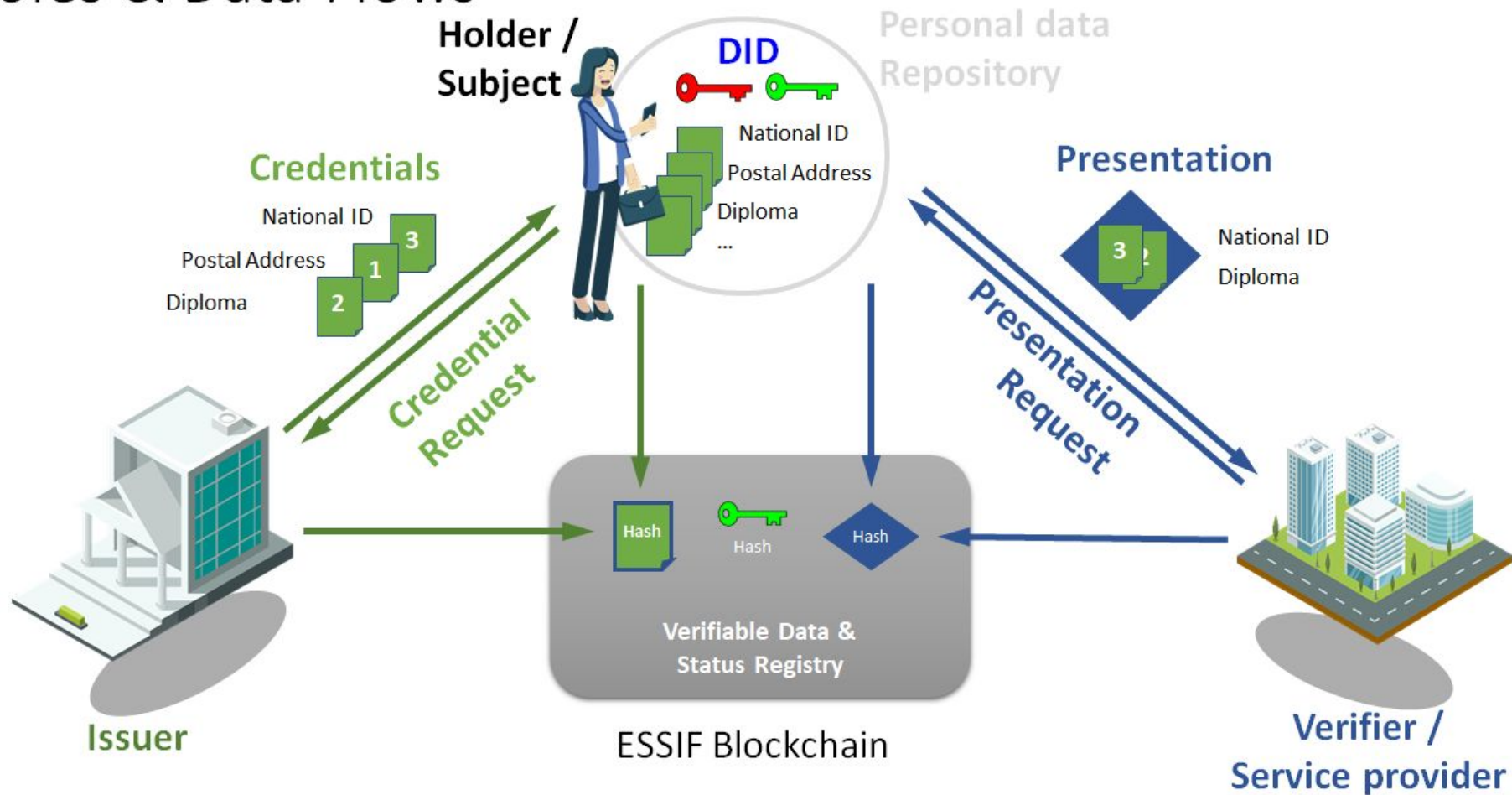
Self sovereign identity



‘Self-Sovereign Identity is the next step beyond user-centric identity and that means it begins at the same place: the user must be central to the administration of identity.’

— Christopher Allen

Roles & Data Flows



A man in a dark suit, white shirt, and striped tie is shown from the chest up. He is wearing a dark fedora hat. His head is missing, and the text "European Self sovereign identity framework" is superimposed over the empty space where his head would be. The background is a cloudy sky with a warm, golden light on the left side.

European Self sovereign identity framework

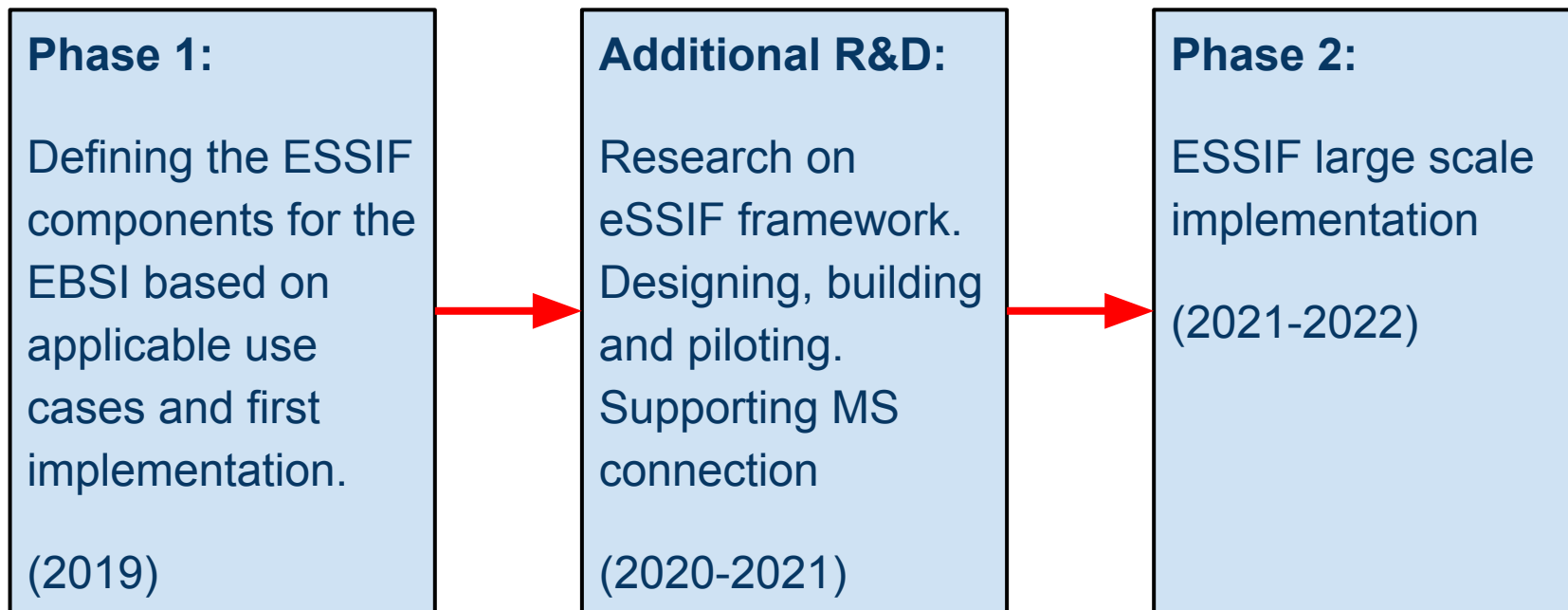
ESSIF

- In European Blockchain Partnership NL-GER-BE started a initiative on European Self Sovereign Identity framework (eSSIF).
 - How to facilitate cross-border interaction with SSI.
 - How to make/keep national SSI projects interoperable.
 - How to integrate/align existing building blocks such as eIDAS, e-delivery, once-only with SSI.
 - How to conceptualize and build an identity layer in the new European Blockchain Services Infrastructure.
 - How to preserve European/democratic values in the implementation of Self Sovereign identity.

ESSIF

- CEF-project (Connecting Europe facilities - march 2019-feb 2020) research on eSSIF and first steps toward building, integration and implementation. (diploma traject in separate CEF-traject)
- H2020-project on eSSIF en TOOP (once only) with 15 different member states (BE, NL, GER, POL, IT, SP, LUX, EST, POR, GR, etc) and their academic and private partners. Focus on research, implementation eSSIF building block and large scale pilots. (under H2020 evaluation).

The roadmap and project landscape ESSIF



ESSIF as a new 'once only' principle/approach



Thank you for your attention!

