



# Trust & Identity Incubator Distributed Identity Revisited

Sprint Demo, 22-02-2022

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## Distributed Identity Revisited

- ✓ Switch and UniBW January and february conversations
- ✓ SURF workshop and conversation
- ✓ Microsoft SSI meeting
- 😊 Meeting with SWITCH planned for January
- 😊 There is a clear trend towards DI
- 😊 Distributed Identity for NRENs report is growing
- ➖ Distributed Identity for NRENs report is ... hard



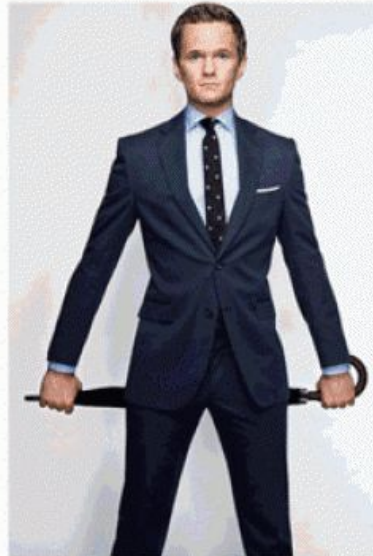
## Distributed Identity Revisited

- We already gained some DI exposure and practice by working with IRMA
- We now want to help GEANT and NRENs in deciding whether to engage with DI/SSI and how
- More business, attitude and trends analysis than a technical one
- SWITCH and UniBW papers were used as a seed
- They also helped us with their perspective and target use cases
- None of us has ever done anything like this before, but we hope geeks can do it better than suits!



# WHEN YOU BUY A SUIT

WHAT YOU  
THINK YOU  
LOOK LIKE



WHAT YOU  
ACTUALLY  
LOOK LIKE



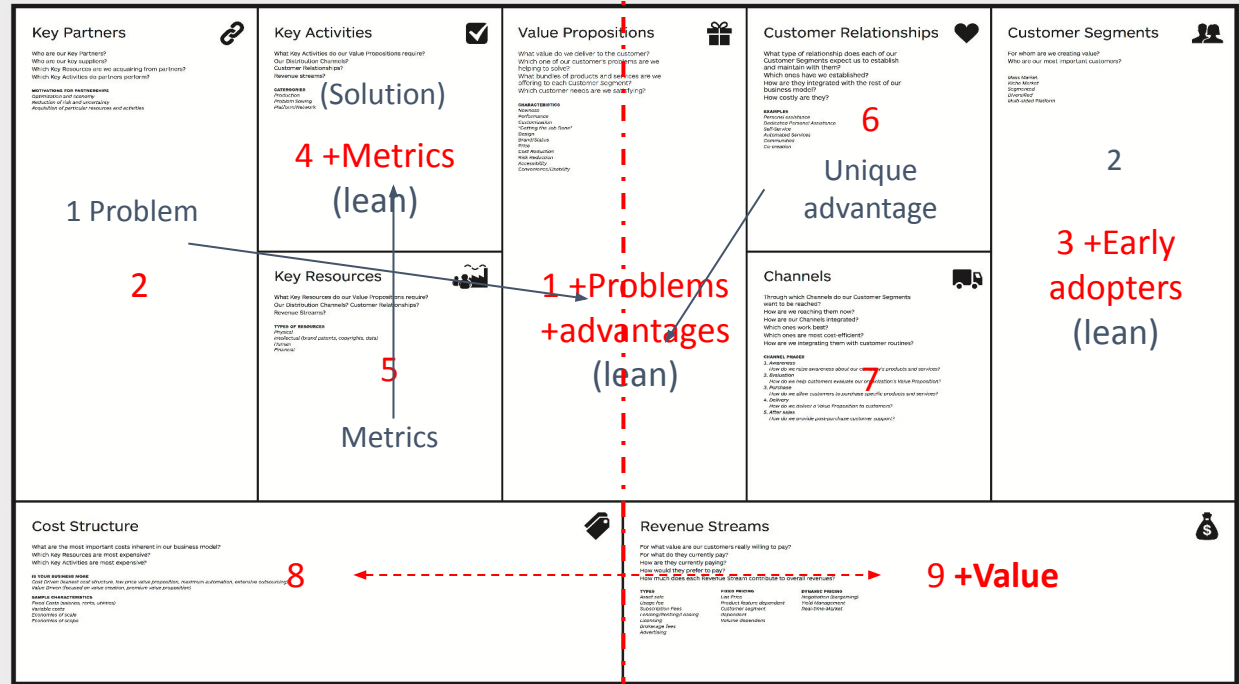


# Distributed Identity Revisited goes Business Model Canvas

- In sequential order
- With sample content/ instructions
- Some elements from Lean Canvas
- Dispersed text from initial brainstorming over SWITCH paper

## The Business Model Canvas

Designed for: \_\_\_\_\_ Designed by: \_\_\_\_\_ Date: \_\_\_\_\_ Version: \_\_\_\_\_





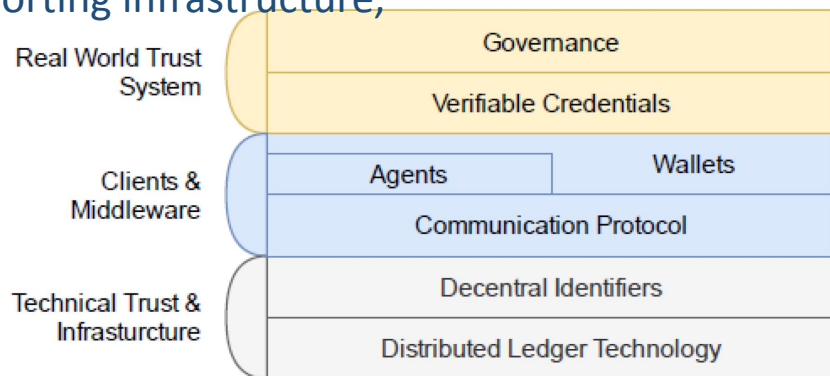
## Distributed Identity Revisited

- The canvas-based work document has helped us to refine the perspective
  - Benefits, problems solved
  - Why are GEANT and NRENs uniquely positioned to implement DI?
  - Stakeholders and their activities of various stakeholders
  - *“The sordid topic of coin, I’m afraid, is not so simple. The cost, you see, it’s different for everyone.”*
  - Instead of *revenue*, we looking at the *VALUE*
- Also considered and included
  - Contributing factors: societal, political, technological, economic
  - Lessons learnt and recommendations from the existing solutions and DI projects



## Elements of (verifier's) trust (our breakdown)

1. Claim means what is supposed to
2. Claim is provided by the intended issuer
3. Issuer properly vets the holder's identity
  - Issuer checks that the right person is getting the claim (VC)
4. Issuer properly vets the the truthfulness of the claim
5. Issuer keeps his stuff in order (systems, procedures, security)
6. Wallet is owned and only used by the holder
  - Wallet and its content are safe  
(from peeking, loss, steal, content corruption...)
7. Verifier (RP) trusts the intervening and supporting infrastructure, algorithms and assertions





## Backtracking: Use Cases Rule

- “SSI” is more mainstream than “DI”, terminological adaptations are also needed -
- Both Germans and Swiss had nationwide turmoils with e-IDs
- NRENs and organisations seek clear scenarios they can relate to!
- They need simple and realistic applications for their users; selected use cases:
  - **eduID**
  - **Diplomas and micro-credentials**
  - **Researcher identification and authorization**
- Currently retooling our canvas for these use cases
- Early adopters: There is still no killer app!