Trust & Identity Incubator
Distributed Identity Revisited

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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 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!
Sad truth!

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
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 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!