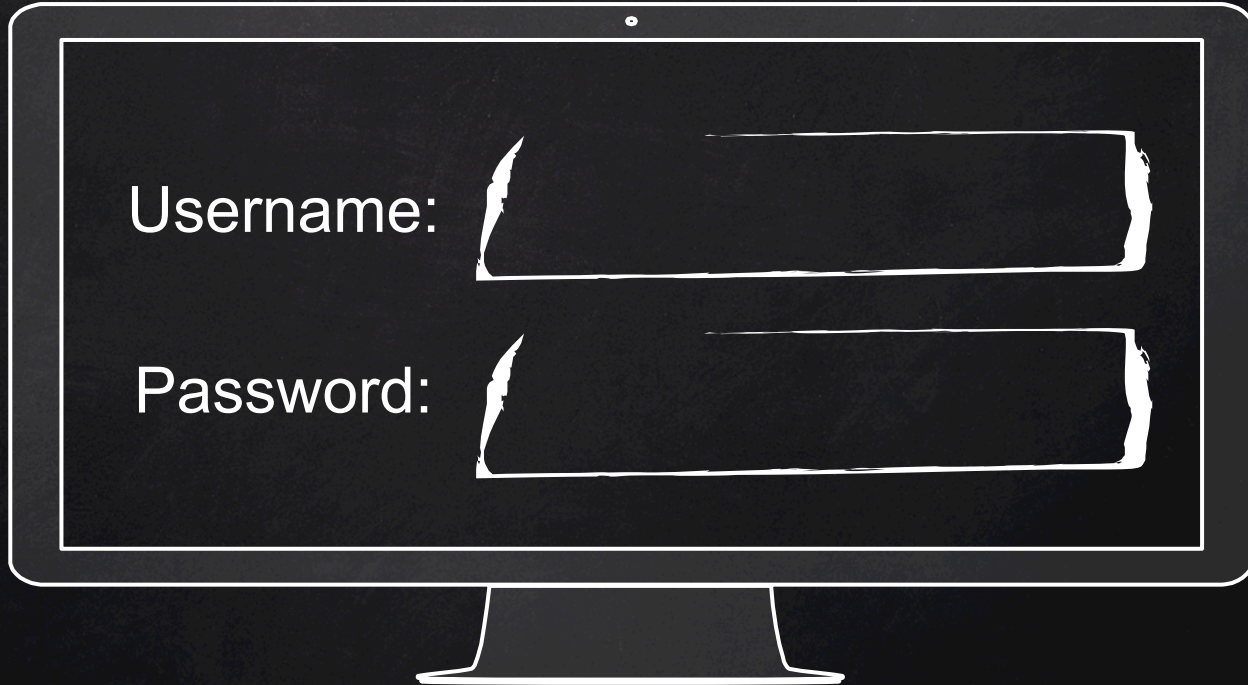


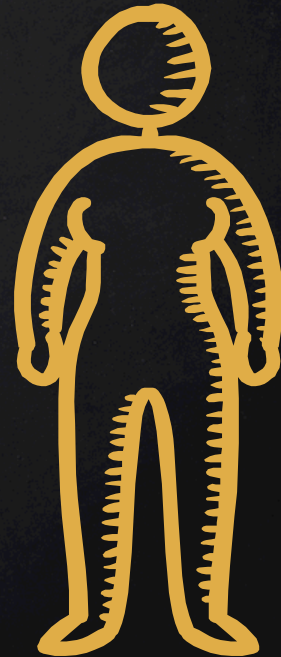
Can I see your ID?





Identity

```
<person>  
  <name>Jane Smith</name>  
  <title>Dr</title>  
  <birth place>UK</birth place>  
  <shoe size>39</shoe size>  
  <job>Electrician</job>  
  <salary>$100,000</salary>  
  <passport>26391393</passport>  
</person>
```





Traditional Online Identity

- ✘ Bits of identity scattered through the web
- ✘ Very different idea of “me”
- ✘ 100s of username and password pairs





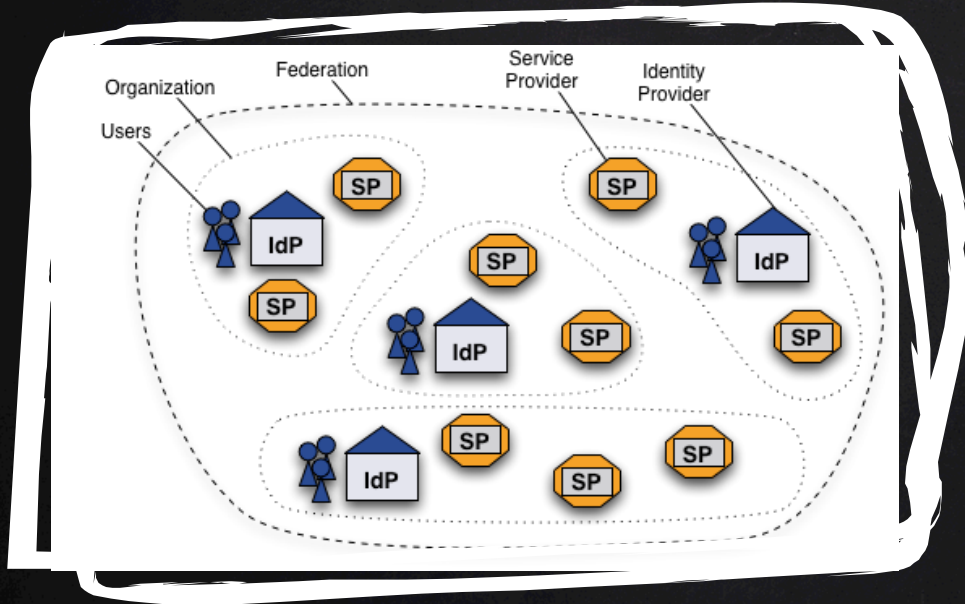
Social Identity

- ✗ Credibility is key!
- ✗ Increasing ability to unify accounts, e.g. create a tripadvisor account from your Gmail

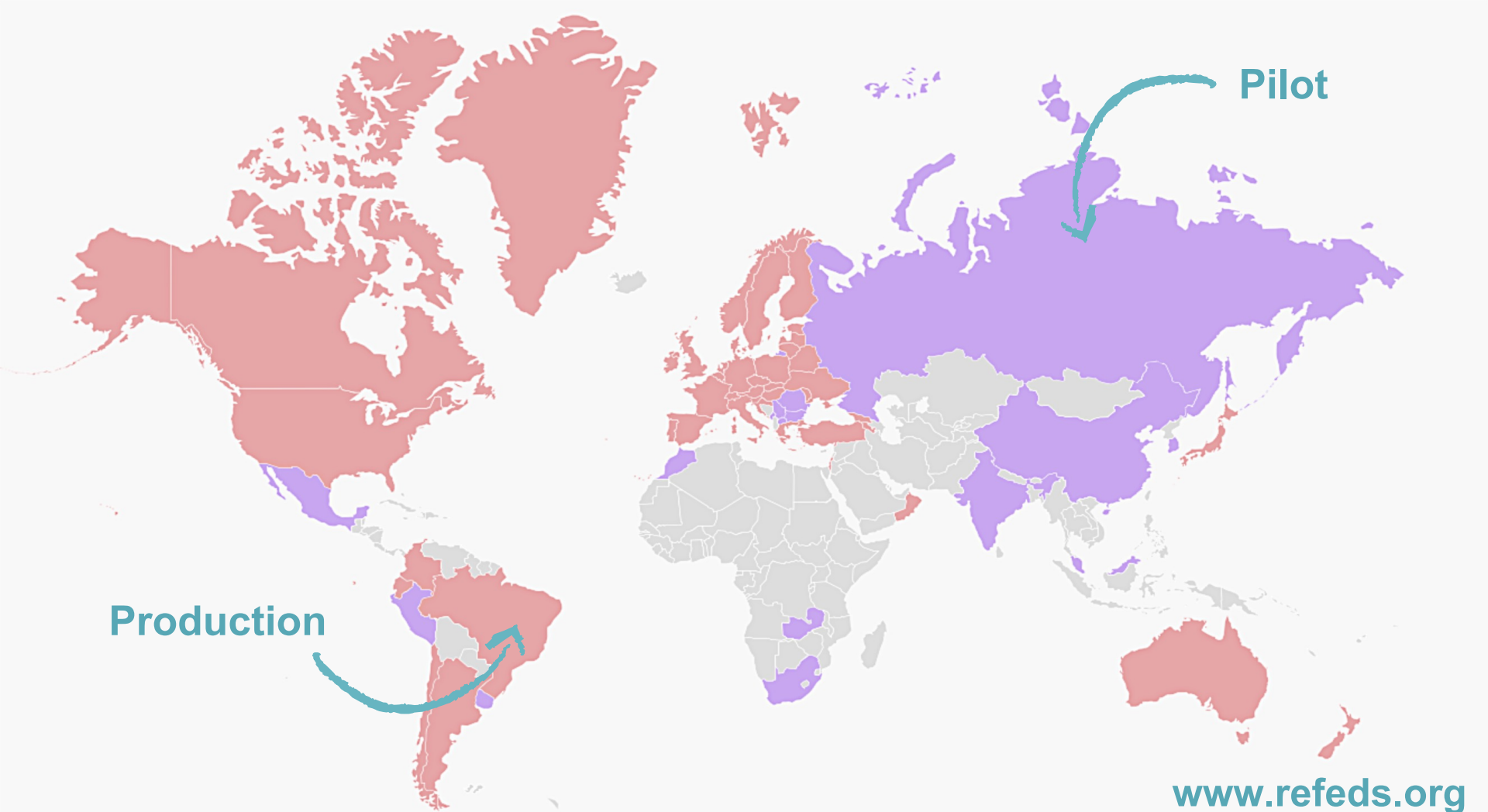




R&E Federated Identity



- ✗ Your research identity is evolving
- ✗ Home Organisation “knows you best”, they provide the credibility
- ✗ Leveraging trusted relationships to form national federations



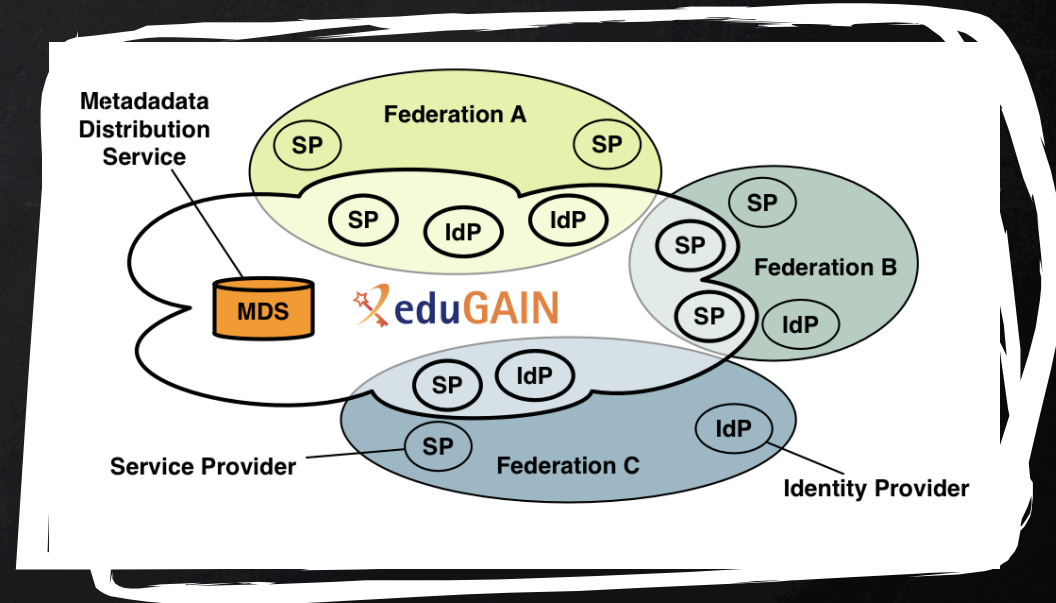
Pilot

Production



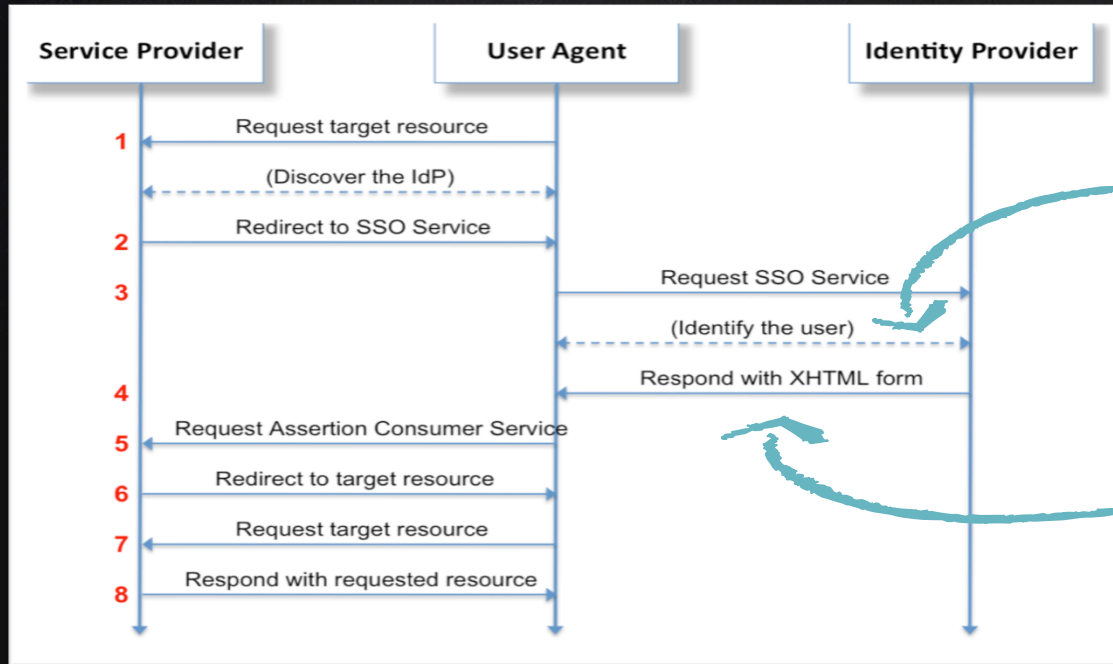
And then...

- ✗ Open access worldwide!
- ✗ eduGAIN acts as a broker to distribute participant metadata and facilitate secure authentication





How does it work?



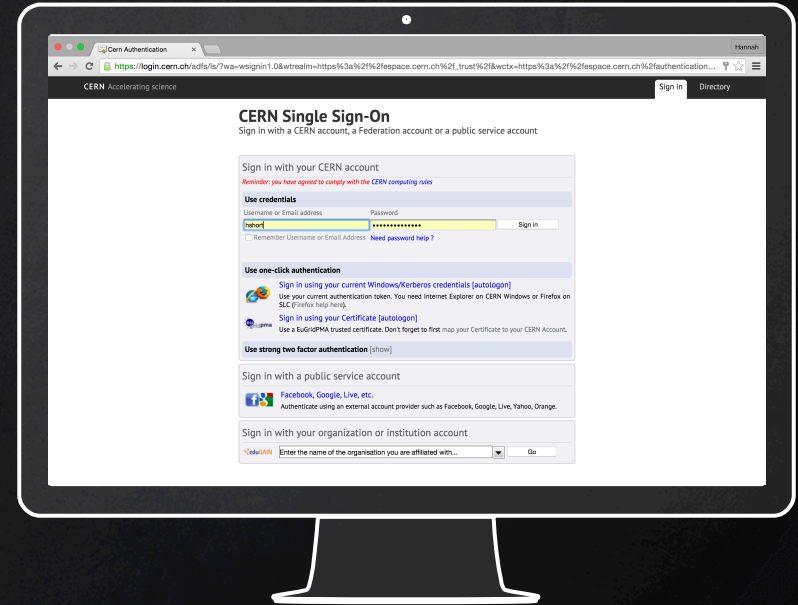
You only give your password to your home organisation!

XML packets are signed by IdP



What are we doing at CERN?

- ✗ Part of the Swiss Federation & eduGAIN
- ✗ Can log in to CERN SSO from an external university
- ✗ Can use your CERN account to log in to R&E services worldwide





Want to play?

What can I do with my CERN account?

- ✘ Try Foodl, the “Federated Doodle” to organise your next meeting
<https://foodl.org>

Learn more!

- ✘ https://www.switch.ch/aai/support/presentations/crash-course-2013/InterFed_eduGAIN.pdf

Your Apps

- ✘ Enable SSO
- ✘ <https://espace.cern.ch/authentication/default.aspx>

Where is CERN involved?

- ✘ REFEDS
- ✘ FIM4R
- ✘ EU Projects (AARC, HNSciCloud)



thanks!

Any questions?

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Credits

Special thanks to all the people who made and released these awesome resources for free:

✘ Presentation template by [SlidesCarnival](#)