

On Information Freedom and Information Jails

allowing students move around with their data

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Movers & Shakers

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Dublin

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The big tree killer

bad for the environment



CEEDIC Programme Partner



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Information Freedom

EUNIS's RS³G

The big tree killer

bad for the environment



Information caught in the paper jail

as soon as it gets printed



SECLEUC Programme Partner



Printed Information

freedom lost in the paper jail



Printed Information

freedom lost in the paper jail



- Difficult to transport



Printed Information

freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve



Printed Information

freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve
- Difficult to retrieve



Printed Information

freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve
- Difficult to retrieve
- Too easy to create



Printed Information

freedom lost in the paper jail



- Difficult to transport
- Difficult to preserve
- Difficult to retrieve
- Too easy to create
- Bad for the environment



Jail demolition in medical practice



Use case

Jail demolition in medical practice

Introducing some characters



Patient

a.k.a. *you or me*



Hi! I'm the patient



Patient

a.k.a. *you or me*



i.e. *you*



Practitioner

a.k.a. *The Doctor*

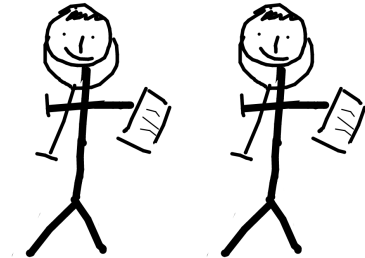


Hi! I'm your doctor



Practitioner

a.k.a. *The Doctor*



Hi! I'm also your doctor



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Practitioner

a.k.a. *The Doctor*

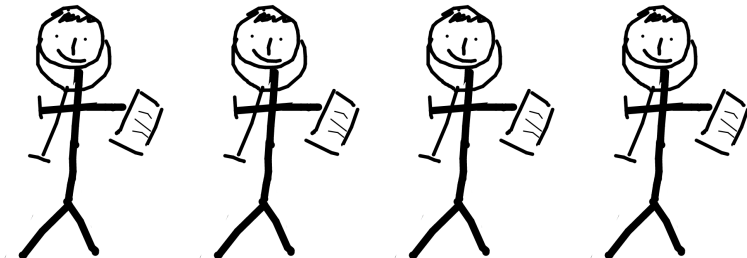


Me too!



Practitioner

a.k.a. *The Doctor*

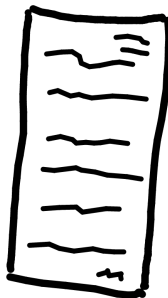


we all are your doctors



Health Record

a.k.a. *lots of data about me*



Hi! I'm your Health Record

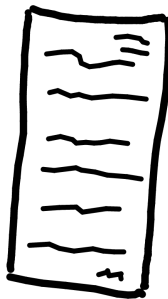


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Health Record

a.k.a. *lots of data about me*

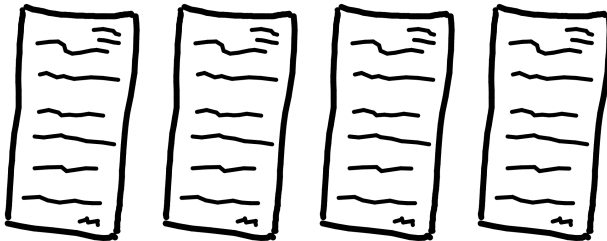


Only me?



Health Record

a.k.a. *lots of data about me*

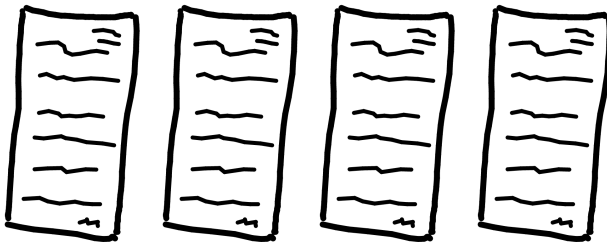


Or us?



Health Record

a.k.a. *lots of data about me*

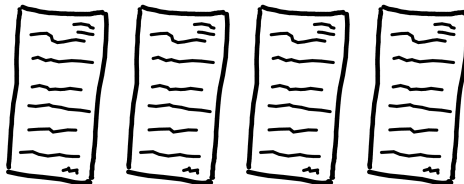


Really yours?



Health Record

a.k.a. *lots of data about me*



Or theirs?

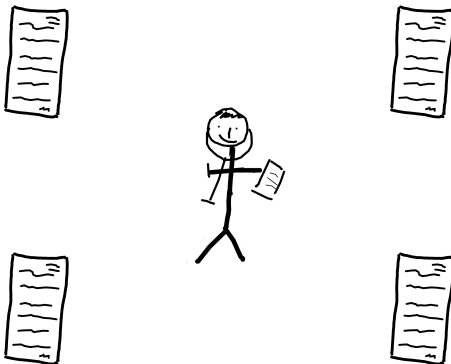


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Present situation

someone controls *my* data

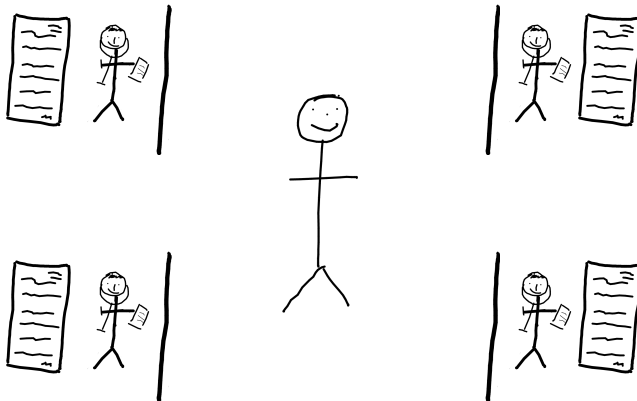


Someone owns *my* HRs



Present situation

someone controls *my* data

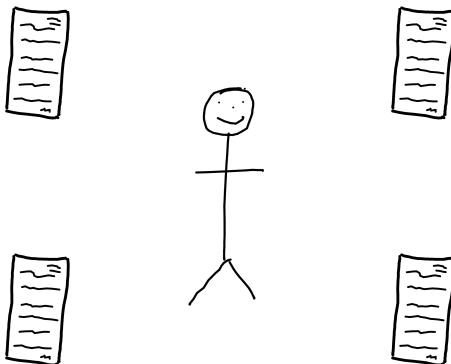


my HRs are in silos



Proposed situation

I control my data



I own my Health Records

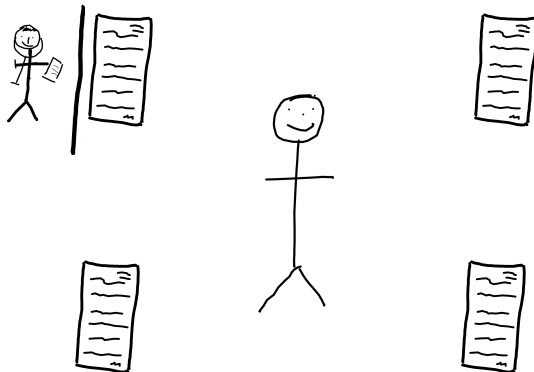


GDCEHC Programme Partner



Proposed situation

I control my data

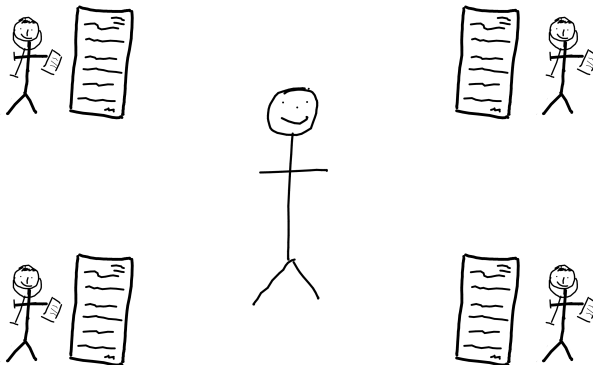


I control access to my HRs



Proposed situation

I control my data



*I know **who** is using my HRs*



Steps in the right direction



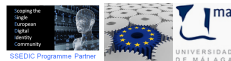
<<http://www.va.gov/bluebutton/>>

<<http://www.whitehouse.gov/blog/2011/11/21/empowering-customers-green-button>>

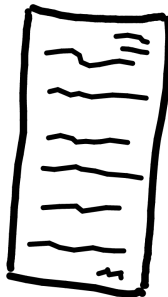


Steps in the right direction

Tarvi Martens’ “Inimitable identity”



Educational sector



HR = Educational achievements



Challenges

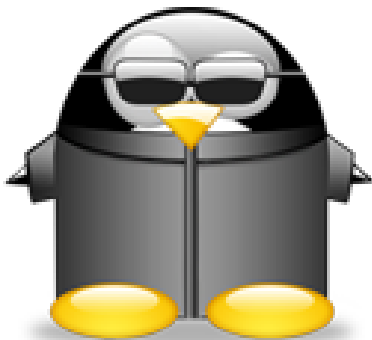


Urbanidades #51 by Nana Sousa Dias <http://photo.net/photodb/photo?photo_id=4169934>



Identity and privacy

Challenges



Standards

Challenges



Privacy

there are many ways to look at privacy in education



Privacy

with increased knowledge of the subject



Full anonymity



Privacy

with increased knowledge of the subject

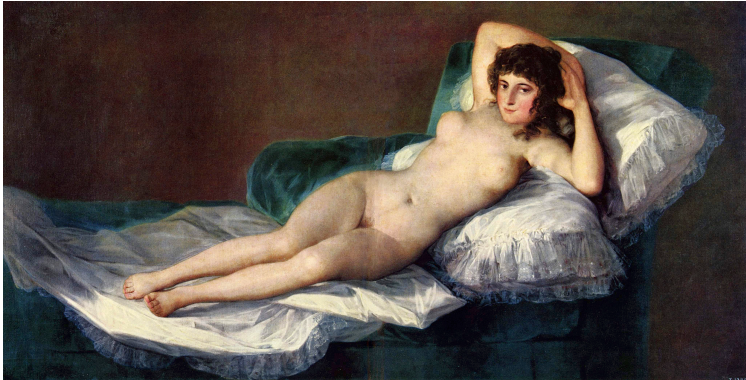


Pseudonymous identity



Privacy

with increased knowledge of the subject



Full disclosure

Goya's Nude Maja <http://commons.wikimedia.org/wiki/File:Goya_Maja_naga2.jpg>



CEC/DC Programme Partner



Standards

Challenges



There are never enough



Standards

Challenges



Standards

Challenges



- SAML



Standards

Challenges



- SAML
- OAuth



Standards

Challenges



- SAML
- OAuth
- eduPerson



Standards

Challenges



- SAML
- OAuth
- eduPerson
- SCHAC



Standards

Challenges



- SAML
- OAuth
- eduPerson
- SCHAC
- MLO



Standards

Challenges



- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM



Standards

Challenges



- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM
- Europass



Standards

Challenges



- SAML
- OAuth
- eduPerson
- SCHAC
- MLO
- ELM
- Europass
- ...



Security

Challenges



Security

Challenges



Security

Challenges



- TCS



Security

Challenges



- TCS
- STORK2



Security

Challenges



- TCS
- STORK2
- TF-CSIRT



SGEHC Programme Partner



Security

Challenges



- TCS
- STORK2
- TF-CSIRT
- Trusted Introducer



SGEHC Programme Partner



Security

Challenges



- TCS
- STORK2
- TF-CSIRT
- Trusted Introducer
- ...



Storage

Challenges



Storage

Challenges



Storage

Challenges



Storage

Challenges



- Grids



Storage

Challenges



- Grids
- Geánt3+



Storage

Challenges



- Grids
- Geánt3+
- TF-Storage



Storage

Challenges



- Grids
- Geánt3+
- TF-Storage
- TF-EMC²



Storage

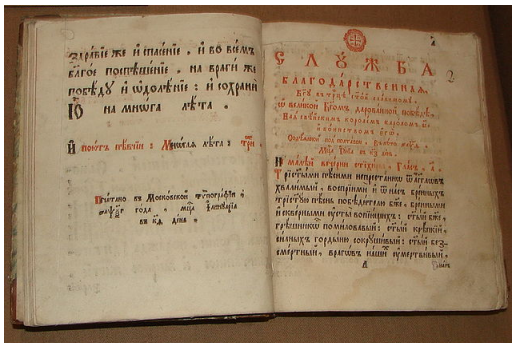
Challenges



- Grids
- Geánt3+
- TF-Storage
- TF-EMC²
- ...



Storage Challenges



CC-BY-SA Sergeev Pavel <http://commons.wikimedia.org/wiki/File:Slugebnik_93.jpg>



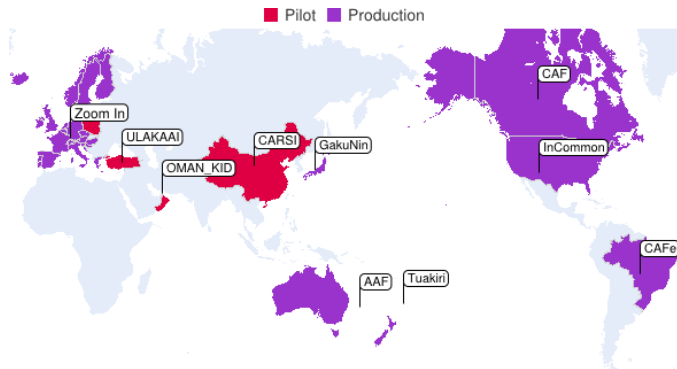
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Information Freedom

EUNIS's RS³G

HiEd Federations

spanning the globe

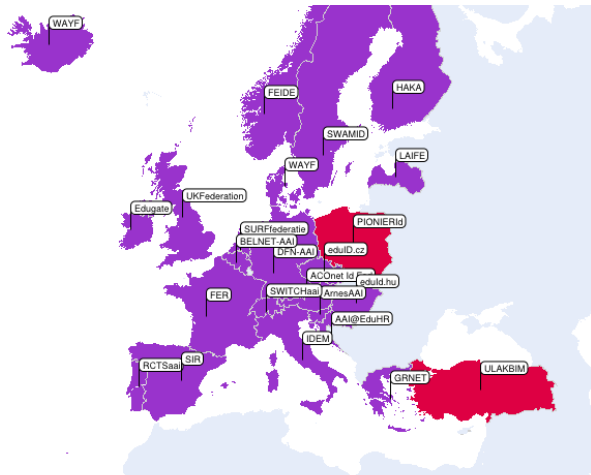


existing intereoperable identity infrastructure



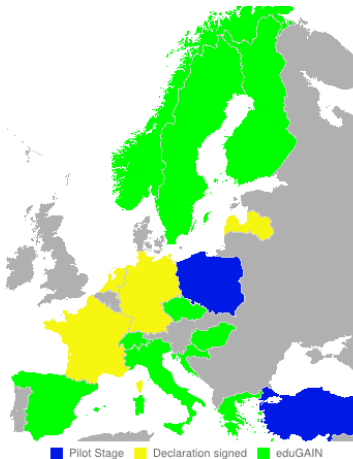
HiEd Federations

covering Europe



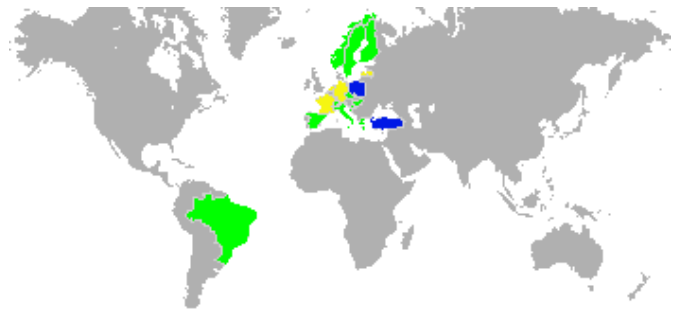
Interfederation

edugain: started in Europe



Interfederation

edugain: reaching out for the globe



■ Pilot Stage ■ Declaration signed ■ eduGAIN



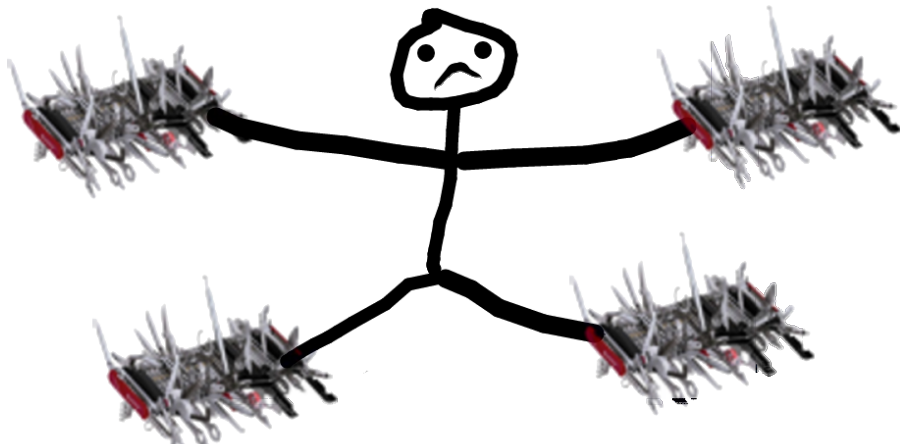
The greedy application

a monster that wants to all to everyone



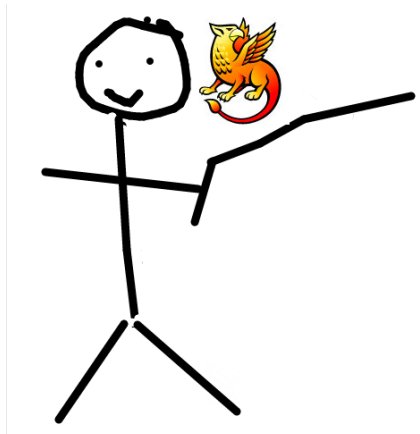
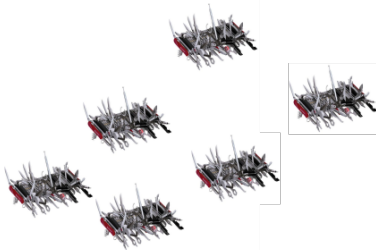
The greedy application

a monster that wants to all to everyone



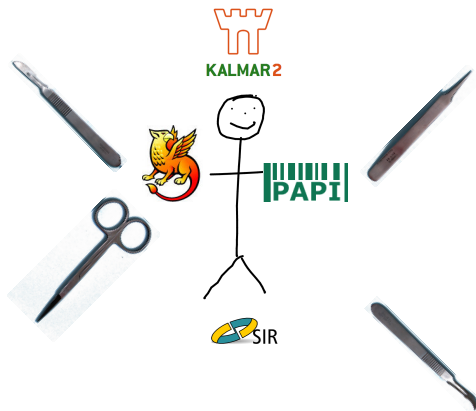
Put applications on a slimming diet

the process of domesticating applications with the help of IdM



Put applications in a slimming diet

real slimming only happens with the help of surgery



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Once slimmed

slicing is easy and ready to use and combine

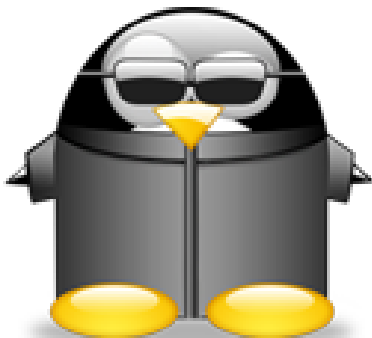


GNU FDL <http://commons.wikimedia.org/wiki/File:Prosciutto_di_Parma.jpg>



Identity

finishing touch for the our dish



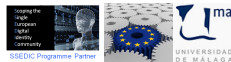
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Show off time

let's try the live demos



Dank u!



UJEDIC Programme Partner



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Dank u!

Questions?

answers not assured



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