

**Welcome to the  
2014 Groningen Declaration Meeting  
3rd Digital Student Data Depositories Worldwide Seminar**



I'm a protocol enforcer



in the *systems* I run





in real life



I'm a protocol breaker



: - )





So...





let's turn some things around







Thank you







to you all for being here



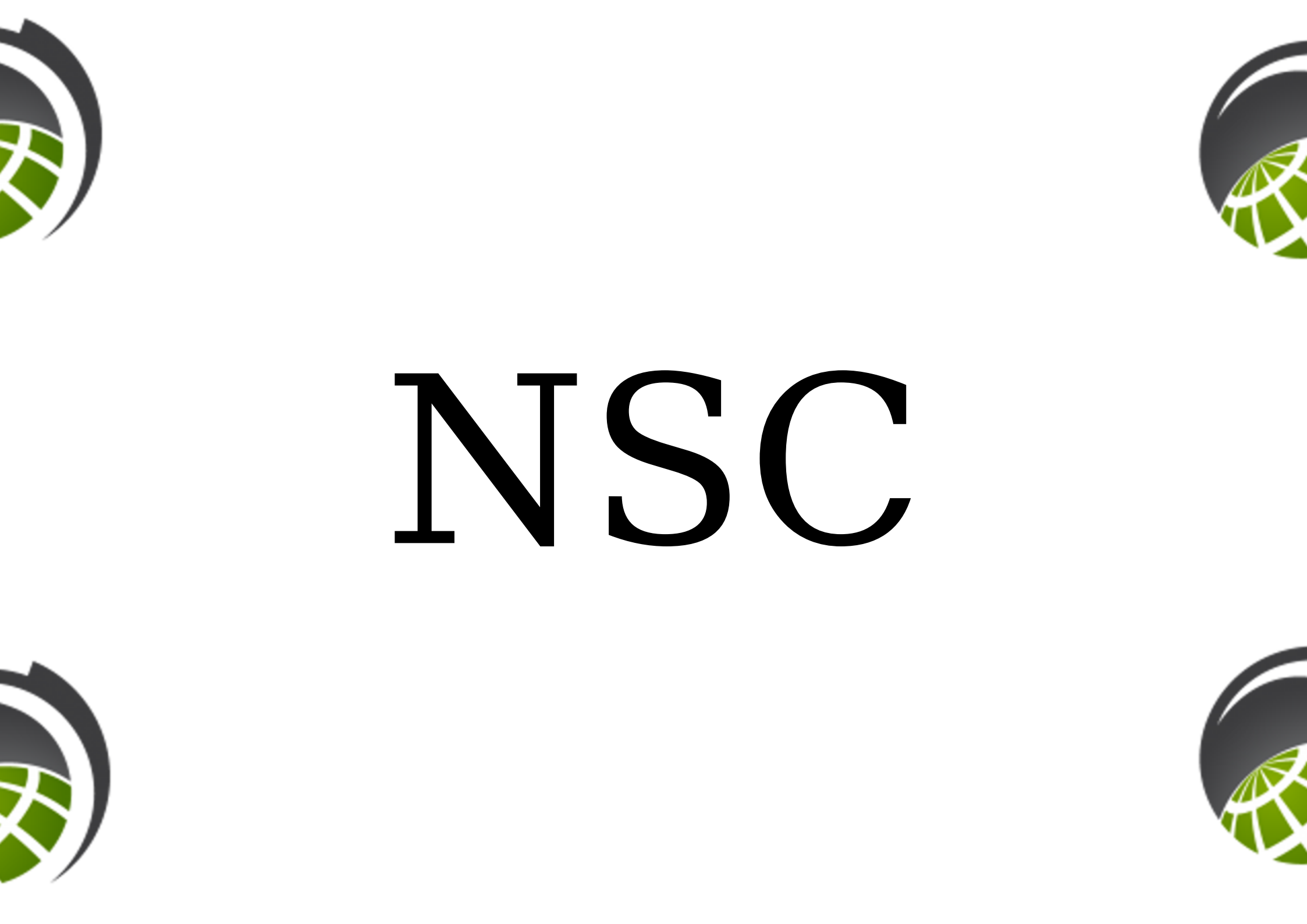
to the organizers



AACRAO



DUO



**NSC**






to our sponsors



# Paver family foundation







Stanford University



**CINNECA**



Georgetown University



**WES**



# Australian Embassy






but specially to ...





Janie Barnett



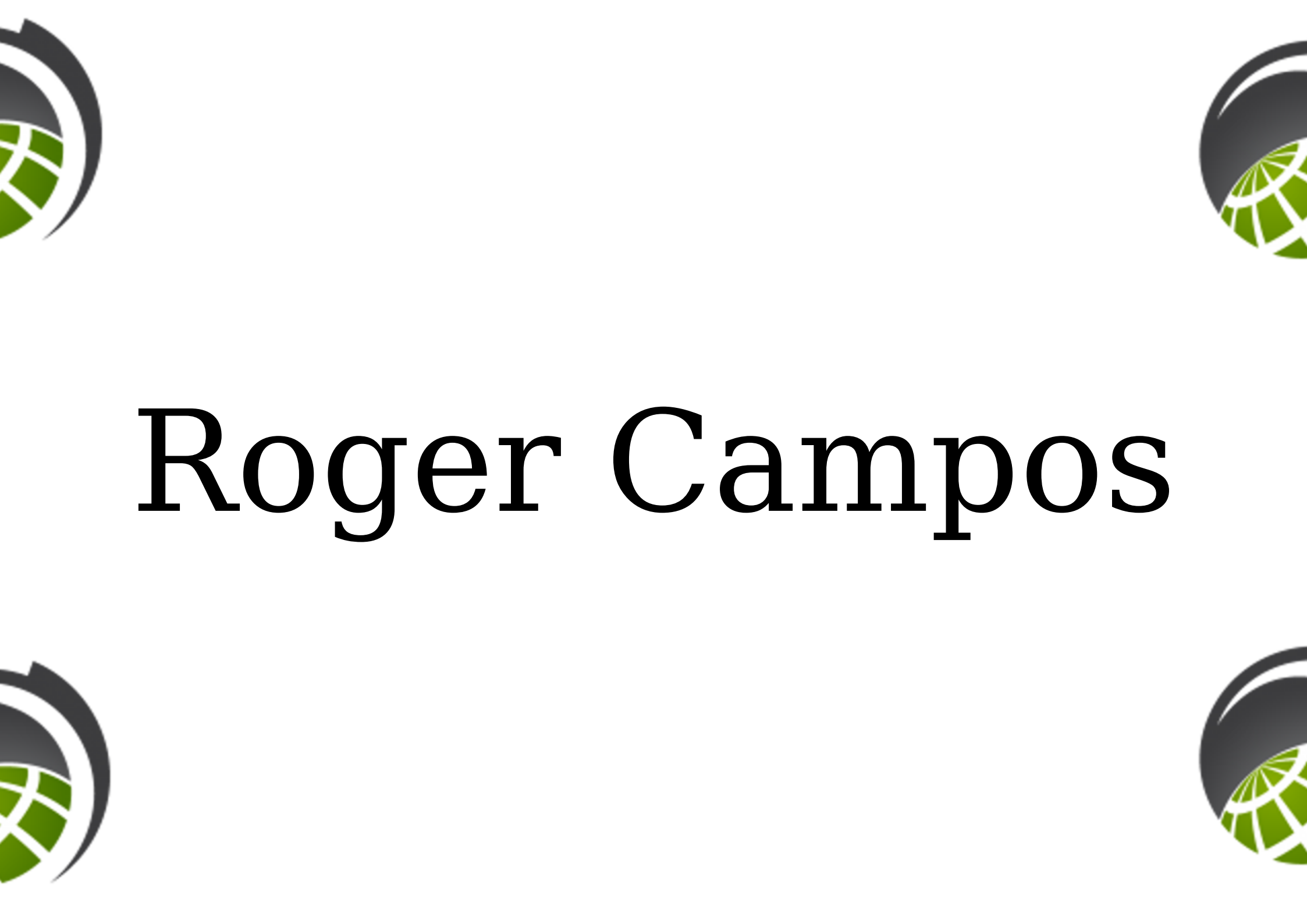


Christi Liongson









Tim Rager



Roger Campos



Melissa Ficek



Natalia Jimenez



Erika Watts





Michael Sisson





Russell Gordon



They all have worked very hard  
so we all could be here today





Now, please





let me lead you to a world premiere









The new Groningen Declaration web site



actually there is a second world premiere



# The Groningen Declaration video



Let us go back to the normal business  
of delivering a keynote



# The future of student data portability

A white toy SUV is shown from a side profile, with its driver-side door open. Inside the vehicle, a small figure of a person wearing an orange shirt is seated in the driver's seat. The SUV has a black roof rack and several red cylindrical objects are visible on the back. The background is a dark blue gradient with out-of-focus light spots (bokeh). The text "is now" is overlaid in white on a semi-transparent dark grey rectangular background.

is now





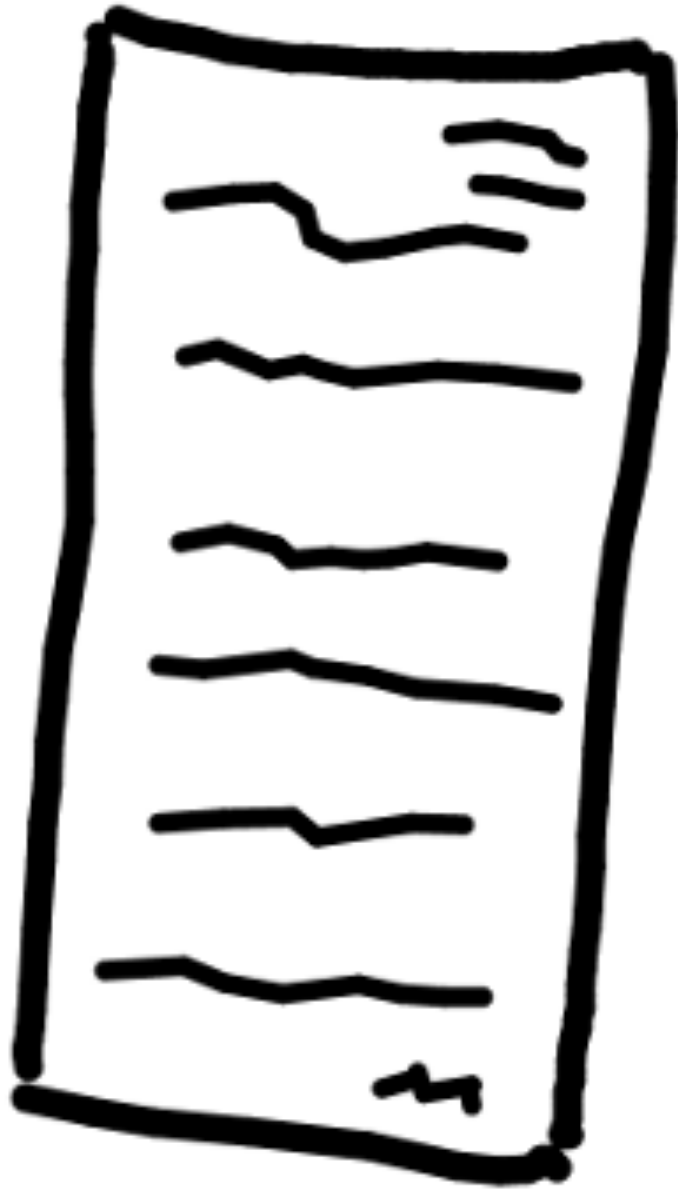


# **The Groningen Declaration**



Meet the user





and his academic record



her many academic records

A LEGO Technic robot built with red and grey pieces. It has a red body with a grey top section featuring a red star emblem. The robot has four legs, with the front legs being grey and the back legs being red. It has a grey head with two eyes and a grey antenna. The robot is standing on a white surface.

# Ideas & Inventions



a first approach

The image shows the rear of a Mitsubishi i-MiEV, a small blue and white electric car. The car features a blue upper body and a white lower body. A large, semi-transparent dark grey rectangle is overlaid across the center of the image, containing the text 'borrow & evolve' in white, lowercase, sans-serif font. The car's rear window has a wiper and a silver Mitsubishi logo. Below the window is a California license plate with the number '5WFG210' and the text '100% ELECTRIC'. To the right of the license plate is a 'MIEV' badge. On the left side of the rear bumper, the word 'MITSUBISHI' is visible. On the right side of the rear bumper, there is a 'CLEAN AIR VEHICLE' badge with 'ACCESS OK' and 'ELECTRIC' text. The car is parked outdoors on a paved surface, with green foliage and a building visible in the background.

borrow & evolve

When I hatch -  
I want to be a Tesla

ACCESS OK  
CLEAN AIR VEHICLE  
ELECTRIC






improve

OCT California  
GT3 63277 PA

ROADSTER







disrupt



**What? Where?**



Can we borrow?



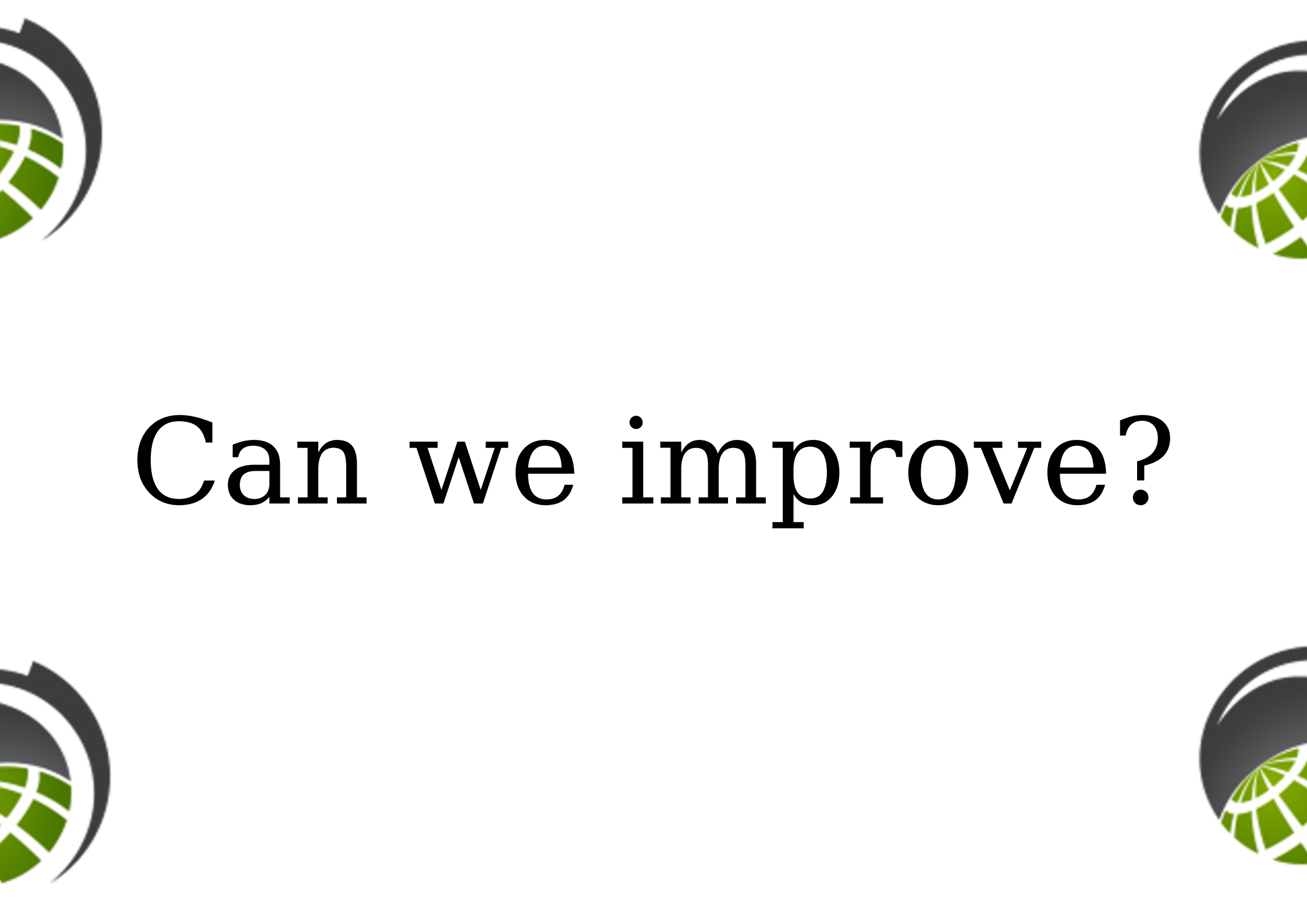
**What? Where?**



Can we learn?



How?



Can we improve?





How?




Can we disrupt?





We live in the times of  
the most disruptive technology  
known to date



# The Internet



How is it ~~improving~~ disrupting  
other realms



Two use cases and industries  
we can map



Airtravel

=

Student mobility



# Travel & fare finder

herramientas

33 de 195 vuelos [Ver todos](#)

Ordenar

Precio - Menor

de tarifas  
de aerolíneas

1233 €



Varias aerolíneas

AGP 14:00 ▶ POZ 23:50 9h 50m 2 stops  
POZ 12:55 ▶ AGP 18:50 5h 55m 1 stop

Elegir

Airline-direct 1233 €

Detalles

Tarifas

1665 €



Varias aerolíneas /  
Lufthansa

AGP 15:20 ▶ POZ 23:50 8h 30m 2 stops  
POZ 5:55 ▶ AGP 12:25 6h 30m 1 stop

Elegir

lastminute.co... 1665 €

Detalles

Tarifas

1677 €



Varias aerolíneas

AGP 10:25 ▶ POZ 23:00 12h 35m 2 stops  
POZ 12:55 ▶ AGP 18:50 5h 55m 1 stop

Elegir

Budgetair 1677 €

Detalles

Tarifas

1691 €



Varias aerolíneas /  
Lufthansa

AGP 10:45 ▶ POZ 23:00 12h 15m 2 stops  
POZ 5:55 ▶ AGP 12:25 6h 30m 1 stop

as  
ecto  
- escalas 1233 €

ios  
do Málaga  
- 15:30

do Poznan  
- 21:00

horarios de aterrizaje

irista 1233 €

egocios 2473 €

x 1665 €



herramientas ▾

de tarifas

de aerolíneas

as

ecto

escalas

1233 €

ios

do Málaga

0 - 15:30

do Poznan

0 - 21:00

horarios de aterrizaje

rista

negocios

x

1233 €

2473 €

1665 €

33 de 195 vuelos [Ver todos](#)

Ordenar

Precio - Menor

1233 €



Varias aerolíneas

AGP 14:00 ▶ POZ 23:50 9h 50m 2 stops

POZ 12:55 ▶ AGP 18:50 5h 55m 1 stop

Elegir

Airline-direct 1233 €

Detalles

Tarifas

1665 €



Varias aerolíneas /  
Lufthansa

AGP 15:20 ▶ POZ 23:50 8h 30m 2 stops

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herramientas ▾

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rista

negocios

x

33 de 195 vuelos [Ver todos](#)

Ordenar

Precio - Menor

1233 €



Varias aerolíneas

AGP 14:00 ▶ POZ 23:50 9h 50m 2 stops

POZ 12:55 ▶ AGP 18:50 5h 55m 1 stop

Elegir

Airline-direct 1233 €

Detalles

Tarifas

1665 €



Varias aerolíneas /  
Lufthansa

AGP 15:20 ▶ POZ 23:50 8h 30m 2 stops

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POZ 12:55 ▶ AGP 18:50 5h 55m 1 stop

Elegir

Budgetair 1677 €

Detalles

Tarifas

Course aggregators

1233 €

2473 €

1665 €

1691 €



Varias aerolíneas /  
Lufthansa

AGP 10:45 ▶ POZ 23:00 1h 15m 2 stops

POZ 5:55 ▶ AGP 12:25 6h 30m 1 stop

# Buy ticket

Book ▾

Fly ▾

Frequent Flyer ▾

Business Essentials ▾

About Qantas

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flight searches ▾

> Help?

> Multi-City

> Round the World

London (Heathrow) ▾

May 2013 ▾

Fri 17 ▾

May 2013 ▾

Fri 17 ▾

Flexible with dates

[Children:](#) (2-11)

[Infants:](#) (<2)

See the best of Australia

From London (Heathrow)<sup>+</sup> ▾

<b>Perth</b>	<b>£765<sup>+</sup></b> return
<b>Sydney</b>	<b>£877<sup>+</sup></b> return
<b>Cairns</b>	<b>£903<sup>+</sup></b> return

\*Prices in GBP from.

Mem

Last

PIN

Rem

Log

✈

📱

Book ▾

Fly ▾

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<b>Sydney</b>	<b>£877<sup>^</sup></b> return
<b>Cairns</b>	<b>£903<sup>^</sup></b> return

<sup>^</sup>Prices in GBP from.

✉

Mem

Last

PIN

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Log

✈

📱

Europe/Middle East [\(Change\)](#)

flight searches ▾

> Help?

> Multi-City

> Round the World

London (Heathrow) ▾

May 2013 ▾

Fri 17 ▾

May 2013 ▾

Fri 17 ▾

Flexible with dates

[Children:](#) (2-11)

[Infants:](#) (<2)



Course enrolment

Member

Last

PIN

Remember me

Log in

Qantas

Qantas

**AMERICAN AIRLINES, INC.**  
ON PASSENGER TICKETS  
NOT VALID FOR

**PASSENGER TICKET AND BAGGAGE CHECK**

**015**

# Travel document

**3**

**3**

**AGE**

ORIGIN	FORM & SERIAL NO.	PLACE	DATE	AGENTS NUMBER	CODE	
TICKET DESIGNATOR		TOUR CODE				
		17 DL 42 UT 02				
FARE BASIS	CARRIER	FLIGHT/CLASS	DATE	TIME	STATUS	ALLOW
	TW	890	APR 15	150	2K	LO
	TW	891	MAY 3	600	2K	LO
<hr/>						
BAGGAGE CHECKED UNCHECKED	PCS.	UNCK. WT.	PCS.	UNCK. WT.	PCS.	UNCK. WT.
		WT.		WT.		WT.
FORM OF PAYMENT						
CPN		TICKET NUMBER			CR	



<b>RLINES, INC.</b> ON PASSENGER'S COUPON		<b>PASSENGER TICKET AND BAGGAGE CHECK</b>		ORIGIN		DESTINATION		
NOT TRANSFERABLE		CONNECTION FROM TICKETS		PASSENGER'S COUPON		TRAVEL	CARRIER	FARE CALCULATION
CHESI		ISSUED IN EXCHANGE FOR		DATE OF ISSUE				
ORIGINAL ISSUE CARRIER	FORM & SERIAL NO.	PLACE	DATE	AGENTS NUMBER CODE				
3								
TICKET DESIGNATOR		TOUR CODE						
3		17 JULY 2 UT 52						
AGE	FARE BASIS	CARRIER	FLIGHT/CLASS	DATE	TIME	STATUS	ALLOW	
		TW	890	AFA 15	150	2K	LO	
		TW	891	MAT 3	600	2K	LO	
<hr/>								
BAGGAGE CHECKED UNCHECKED		PCS. WT.	UNCK. WT.	PCS. WT.	UNCK. WT.	PCS. WT.	UNCK. WT.	FORM OF PAYMENT
CPH	TICKET NUMBER						CR	

015


Forms & transcripts





ACIP, 15:15



Ticket disrupted!



Money & Banking

=

Diplomas & Deposits





Idea shamelessly stolen from

ROD  DAC

---

REGISTRO NACIONAL DE EMISIÓN,  
VALIDACIÓN E INSCRIPCIÓN DE  
DOCUMENTOS ACADÉMICOS



©2009 JJP



# Diplomas & certificates

A detailed LEGO Star Wars diorama of an office. In the foreground, a large, grey, textured Wookiee head is positioned on the left. To its right, a Twi'lek character with orange skin and large, curved ears is seated at a desk, wearing a black suit and tie. The desk is cluttered with various items: a computer monitor on a stand, a keyboard, a mouse, and a control panel with several buttons and dials. A small, clear plastic bottle with a white skull design is on the desk to the right. In the background, a red and white droid is visible, along with a green plant in a pot. The scene is lit with warm, indoor lighting, creating a realistic office atmosphere.

Deposit



Save



Sparkasse  
Oldenburg

VISA

MasterCard

Money evolved

Maestro

Ma  
e  
electronic cash

- TARJETAS
- FINANCIACIÓN
- AHORRO
- ARCHIVOS
- INTERNACIONAL
- SEGUROS
- UTILIDADES

- Cuentas
- Transferencias
- Pagos
- Ingresos
- Contratación

- ...os
- ...erencias
- ... periódicas
- ...nsferencias
- ...ión transf.
- ... internacio.
- ... urgentes
- ...n cuentas
- ...hal cash
- ...ta transfs.
- ... solidarias

### Orden de transferencia



[Usar orden guardada en la Agenda](#)

### Introduzca los datos de origen

Cuenta:

[Saldo disponible](#) [Límite](#)

# Money improved

### Introduzca los datos del destinatario

Cuenta IBAN:  [CCC](#)

Beneficiario:

Importe:  eur.

Concepto:

[Introducir datos opcionales](#)





Seguridad




Money disrupted



eduCoin?







We can improve







We will see running pilots





We will hear about  
Erasmus Without Papers



but...






Can we disrupt?



We certainly can

A museum display case containing four ancient wooden wheels of varying sizes and colors, each with a central hole. The wheels are arranged in a cluster, with one large, dark, heavily worn wheel on the left, a smaller, reddish-brown wheel at the top center, and two other wheels on the right and bottom center. The background is a dark, textured wall.

please  
no wheel reinvention



Let's go the open source way



standing on the shoulders of giants



**MOOCs**





# Degreed



noziilla



# OpenBadges





CHEF SCHOOL

JOB TRAINING

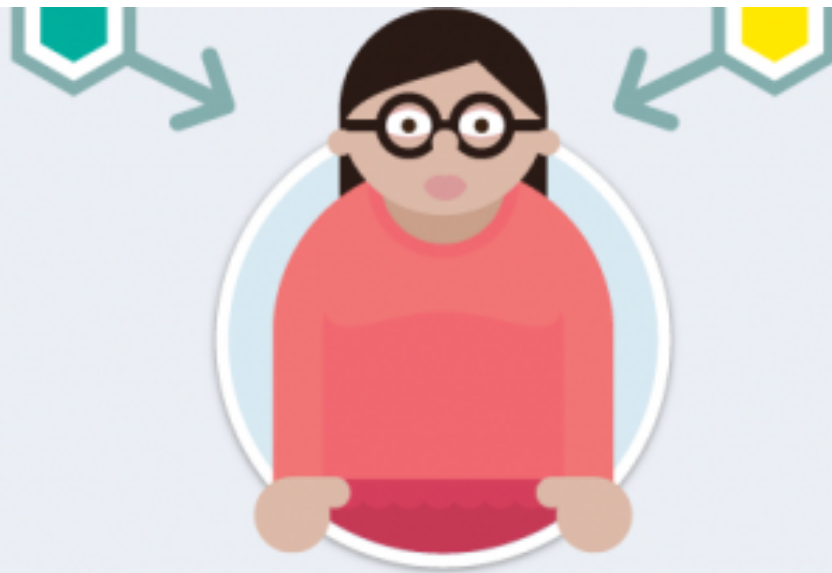
How to Cook

ONLINE LEARNING

COMMUNITY FARM

VOLUNTEER PROGRAM

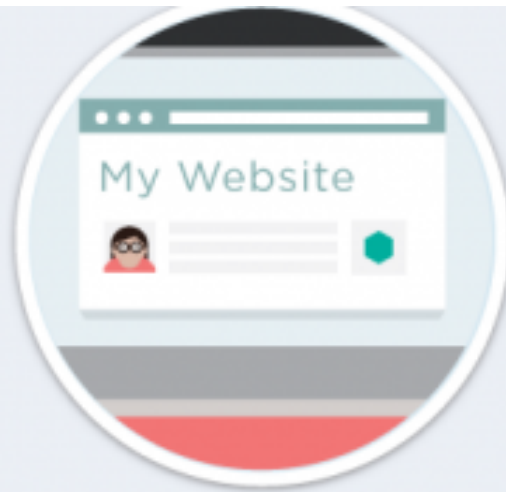
LEARNER



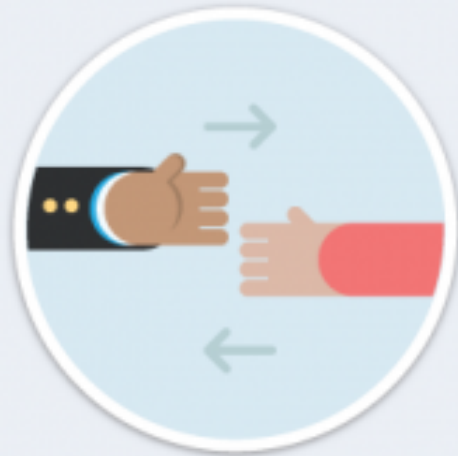
LEARNER

Badge Backpack

A white rounded rectangular box titled "Badge Backpack". Inside, there are four items in a row: a small profile icon of the learner, followed by three badge icons (teal, red, and yellow). Each item has three horizontal lines below it, representing text or details.



PERSONAL NETWORKS, SITES & MORE



JOB OPPORTUNITIES



LIFELONG LEARNING



UNLOCK NEW POSSIBILITIES



There are concepts we should keep in sight



ЗДРАВІЕ ЖЕ И СПАСЕНІЕ . И ВО ВСЕЛѢ  
БЛГОЕ ПОСПЕШЕНІЕ . НА ВРАГИ ЖЕ  
ПОВЕДА И УДОЛЕНІЕ : И СОХРАНИ  
Ю НА МНОГА ЛѢТА .

И ПОЮТЪ ПСВНІИ : МНОГА ЛѢТА Э ТРИ .

СЛѢДОВА  
ГОДА  
МѢСЯЦА  
ВЪ КЪ ДНИ



# С Л О Ж Б А

БЛАГОДАТЕЛСТВЕННАА,  
БГѢ КЪ ТУЦѢ СТОИ СЛАВНОМЪ .  
СЪ ВЕЛИКОИ БГОМЪ ДАРОВАНОИ ПОВЕДА  
НАД ГОНЯЩИМЪ КОРОЛЕМЪ КАРЛОМЪ ІІ  
И СОНИЧЕВОМЪ БГЮ .

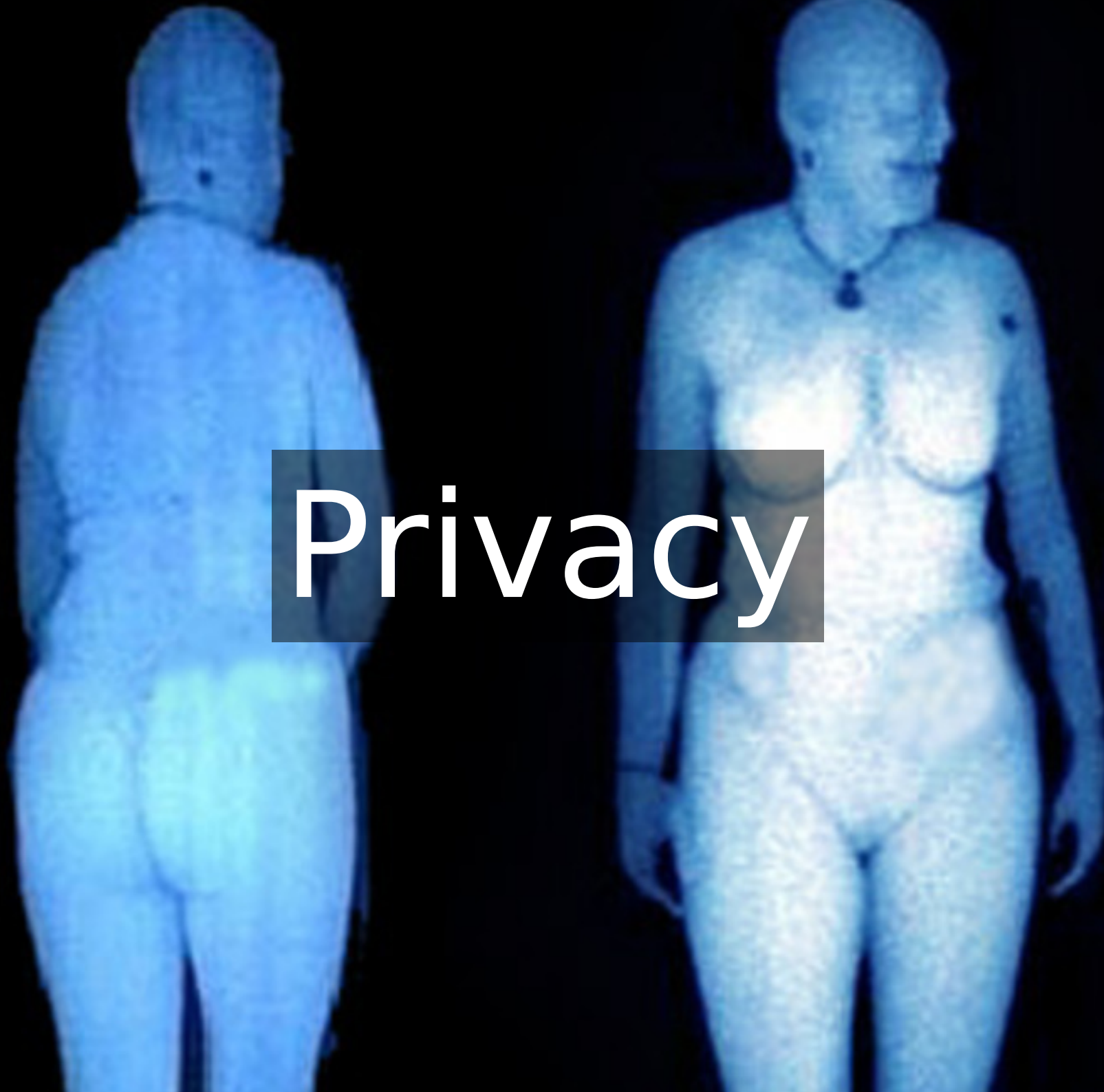
Солонской полкѣ . Вѣсто мѣста  
Мѣста Іоаннѣ въ мѣста .

И МАЛЫИ ВРЕМЯ СТОИТИ . ТРИ  
СЛѢДОВА БГЮ И НЕПРІЯТНИКО  
НАША И ВОССТАИ И СЛАВНО  
ТРИСТО ПЪСНІА ПОВЕДАТЪ БГЮ . БЪСНЫМИ  
И КЪСНЫМИ СЪСЪ БОЛЪЩИХЪ : СЪСЪ БГЮ  
ГРѢШНИКО ПОМИЛОВАНЪ : СЪСЪ КЪСНІИ  
ВИДНЫХЪ ГОРДЫИ СОКЪСНЫИ : СЪСЪ ВЪЗ  
СМЪРТНЫИ . БРАТЪ НАШИ СЪСЪСНЫИ .

Д

Слѣд

Preservation



Privacy

A person wearing a white hooded robe (cofrades) is shown at night, holding a long wooden staff. The person's face is partially visible through the hood, and they are covering their mouth with their hand. The background is dark with some blurred lights and buildings. The text "from anonymity" is overlaid in white on a dark horizontal band across the center of the image.

from anonymity






through full disclosure



with pseudonymity in the middle



# Identity

A scenic view of a tropical beach with turquoise water and a blue sky with white clouds, framed by a rusty metal structure. The water is a vibrant greenish-blue, and the sky is a deep blue with scattered white clouds. The foreground shows the weathered, rusted metal of a structure, possibly a boat or a pier, framing the view. In the distance, a line of lush green trees marks the edge of the beach.

our theme for these days is  
*"defining the digital student data ecosystem"*

41.318	60	4.39	1.0
7.119	60	33.60	0.3
126.499	60	2.81	1.0
1.145.671	60	-21.66	0.1
9.910.418	60	-31.65	1.0
51.751	60	-23.64	1.0
1.621	33	-5.33	0.8
2.077.616	60	-13.32	0.5
13.041	60	-11.01	0.2
32.835.108	60	-9.80	0.7
7.507.380	60	2.95	0.5
4.165.902	60	-13.64	0.7
552	60	-5.11	0.6
800	56	-5.88	1.2
2.636.888	60	-9.86	0.1
42.960	60	-0.94	1.0
645.133	60	-10.13	0.2
863.392	60	-12.75	0.1
200	60	-25.06	2.0
22.385	60	3.52	0.5
17.388	60	5.32	0.2
1.578.852	60	27.38	0.1

the attribute ecosystem

2,24	2,24	2,24	2,24	41.318	60	4,39	1,0
2,24	2,24	2,24	2,24	7.119	60	33,60	0,3
22,24	2,24	22,24	22,24	126.499	60	2,81	1,0
2,24	2,24	2,24	2,24	1.145.671	60	-21,66	0,1
10,24	2,24	10,24	10,17	9.910.418	60	-31,65	1,0
4,20	2,19	4,20	4,05	51.751	60	-23,64	1,0
1,60	2,56	1,60	1,60	1.621	33	-5,33	0,8
10,87	-1,11	11,20	10,61	2.077.616	60	-13,32	0,5
4,95	-1,00	5,00	4,90	13.041	60	-11,01	0,2
5,63	-2,26	5,77	5,56	32.835.108	60	-9,80	0,7
3,14	-2,18	3,23	3,14	7.507.380	60	2,95	0,5
1,71	1,18	1,71	1,71	4.165.902	60	-13,64	0,7
8,68				552	60	-6,11	0,6
2,40				800	56	-5,88	1,2
		1,81		2.636.888	60	-9,86	0,1
		1,05		42.960	60	-0,94	1,0
		14,12		645.133	60	-10,13	0,2
		0,13		263.392	60	-12,75	0,1
		16,00		200	60	-25,00	2,0
		2,34		22.325	60	3,52	0,5
		3,91		17.388	60	5,32	0,7
		0,22		1.578.852	60	27,30	0,4

could very well become

11,20	10,61	2,077.616	60	-13,32	0,50
5,00	4,90	13.041	60	-11,01	0,25
5,77	5,56	32.835.108	60	-9,80	0,75
3,23		7.507.380	60	2,95	0,50
4.165.902			60	-13,64	0,75
800			56	-5,88	1,20
1,81		2.636.888	60	-9,86	0,15
1,05		42.960	60	-0,94	1,00
14,12		645.133	60	-10,13	0,20
0,13		863.302	60	-12,75	0,10
16,00		200	60	-25,00	2,00
2,34		22.385	60	-3,52	0,50
3,91		17.388	60	5,32	0,20
1.578.852			60	27,30	0,20

an ecosystem for attribute values





Privacy: two faces of the same coin  
very clearly in education







Thank you



I hope I've generated enough questions in you  
to spice up the rest of our seminar





# The Consent Game