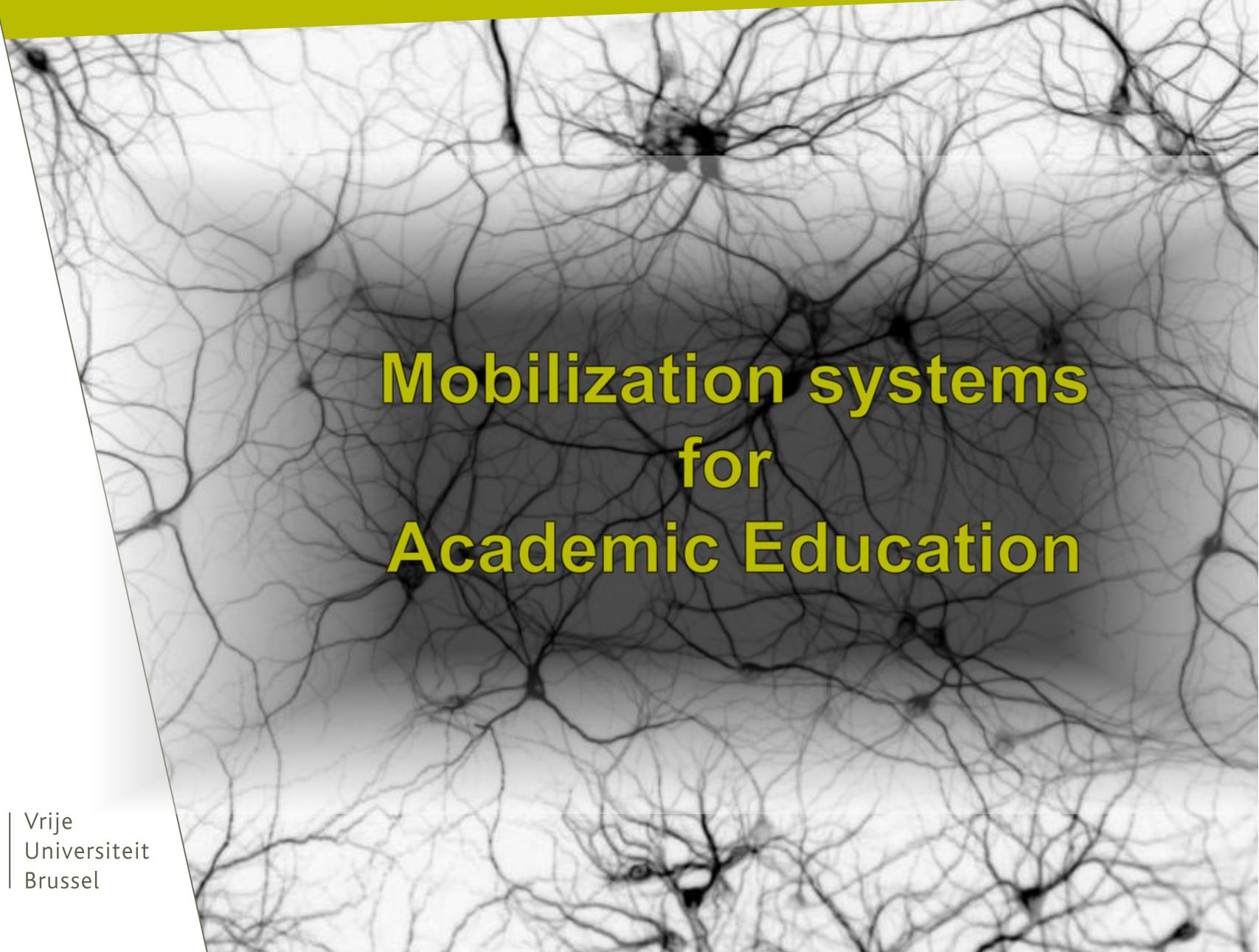


The Global Brain Institute



Mobilization systems for Academic Education



Vrije
Universiteit
Brussel

Mobilization systems

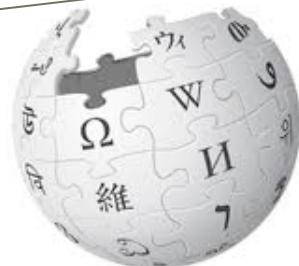
Principle

→ Intelligent crowdsourcing
→ Stigmergic IT-support
→ A socio-technological organization that motivates and coordinates people to work towards a common objective

Examples



Vrije
Universiteit
Brussel



→ avaaz.org
→ stackoverflow.com
→ khanacademy.org

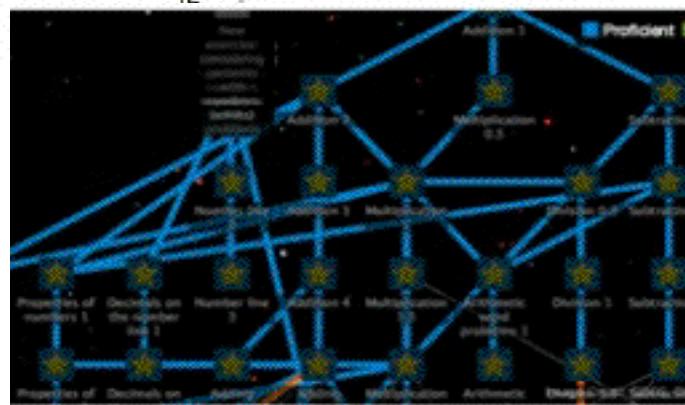
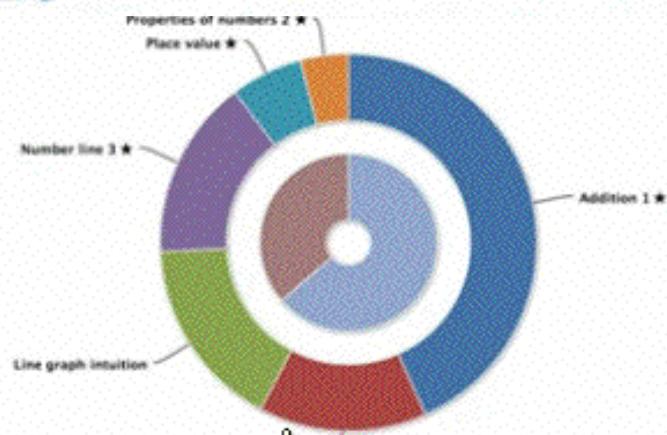
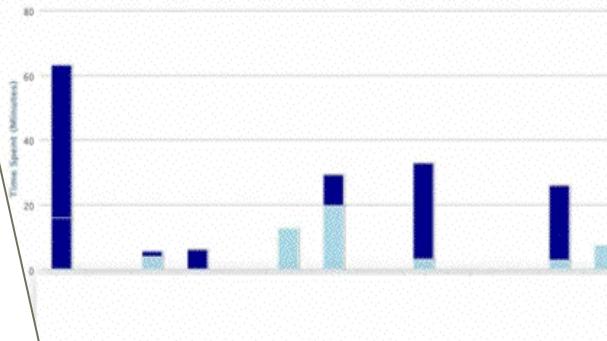
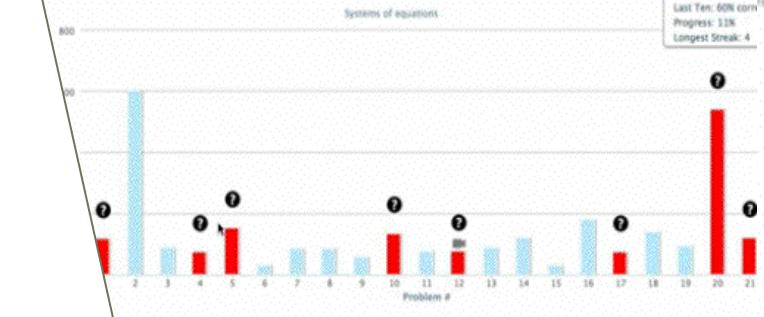


Khan Academy



Vrije
Universiteit
Brussel

Div no 10	Add dec 0.5	Mult 3	Div 2	Place value	Divisibility	Counting 1	Div line	Add. Dec.	Dec 4	Arith. Ch.	Div 1.0	Arith 0.99	# Probs 2
Div 3	→ Neg. Ar.	Prime Ar.	Abs. Value	Sig fig 1	Tell time	Rid whole #	Counting 2	I Neg. Ar.	D place val	Sub dec 0.5	Mult 4	Sub. Dec.	
Mult 0.99	Rid dec 0.5	Rec Fractions	↓ dec 0.99	Tell time 2	Unit mix dec.	Order Ops.	GCD	Eqv. Frac.	Economic 1	Preval. Ch.	Round	Ch. place val	
↑ Prof	King 100	Practicing know.	Exponents 1	Rid mixed 2	Div dec 1	Rid prob 1	LCM	Units	Properties 1	Converg.	Comp. Frac.	Geo Prof	
Angles	Order Neg #	Div bar ch 1	Div dec 2	Asia symmet.	LCM GCD 1	Prob 2	Fr 4 line 1	Mem. Log.	M. Frac. 0.5	O. Frac. 0.5	Graph Prof	Exp. Prof	
Div. Prof.	Div. Dec.	Exponents 2	Simple. Rad.	Geometry 1	Angle Types	↓ Fract.	Ordering 2	Sub. Fract.	Rid line 1	Divide 0.5	Expl. mean		
Angles 1	→ Pract.	Ordering 4	Divided	M/M/M	Deg → Rad	Cone Ang.	Sold geo	Comp. Fract 1	Exponents 4	Rotations 4	Dec to Pract.		
Graph Prof 2	→ Practic.	→ Mix 0.5	Fr 4 line 2	Anal. Fr. 0.5	Exp. Expr.	60 NM 0.5	Lin. Eq. 1	Angles 2	Log 1	Sci. Notat.	Trig. Chas.		
Graph Prof	Plot → Data	Comparing 2	Ratios 0.99	Prob 4 line	Mid. Ineq. 1	Dots to Prob	→ Mix 0.5	Fractions 1	* radians	Take 0.5	Trig. Prof		
Equ. with	Fr 4 line 3	Div. Prof 0.5	Variance	Lin. Eq. 2	Functions 1	Pythag 3	Dot. Form.	Ap. Chas.	Def. Prof.	Write Expr	Rad ↔ Deg	Expl. Statist.	
Graph	Ystep func	RateProf 0.5	Ded to %	Prob to dec.	Unit circle	Prob 4 to 1.5	Tell eqs	Comp. Fract 8	Mult. mat 1	Old dec.	Expl. Data		
Matrices	MatProf 0.5	Pythag 2	Functions 2	Yip 1	Midpoint 2	New Coll. 1	Rad Eq 1	Rate Prof 1	Write Expr	→ Vectors	Comp. Mat.		



University dilemma

Problem

- Funding mostly for research
- Social mobilization (more students)
- Devaluating education (less background)
- Old school, new worlds (has to leapfrog)

Solution/experiments

- Shift from knowledge transfer to knowledge creation (disruptive innovation)
- Micro-entrepreneurship (disrupting R&D)
- Mobilization systems (disrupting education)



Buildup of momentum

Academic Partners

- Managing radical innovation (my PhD)
- Living Labs (IBBT-SMIT)
- Stigmergic prototyping (IDC-HoWest)
- Life Long Learning (VUB consortium)
- Scaled entrepreneurship[?] (EU consortium)

Coordination Challenge

- Leverage to accelerate?
- Strategy plan vice-rector education?
- GBI second pillar?



GBI workshop 26 April 2012

Questions?

info@mixel.be



Vrije
Universiteit
Brussel