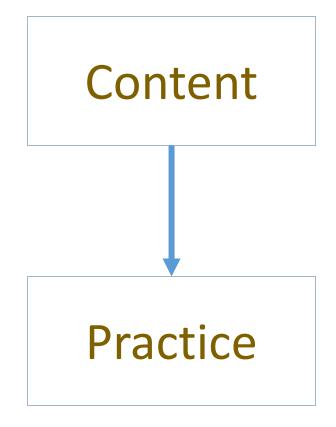
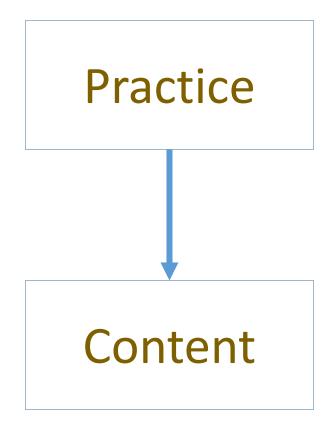
Stephen Downes
13 October 2015

MOOCs, cLearning and cLearning

Two Approaches...





Two Approaches...

Defines an ideal state Content Practice TES₁ Person tests you

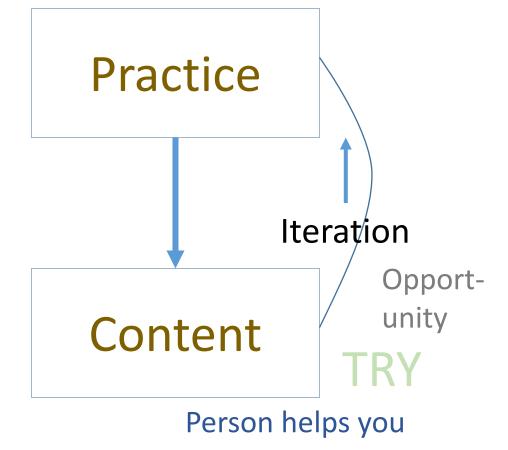
Defines a desired state



Two Approaches...

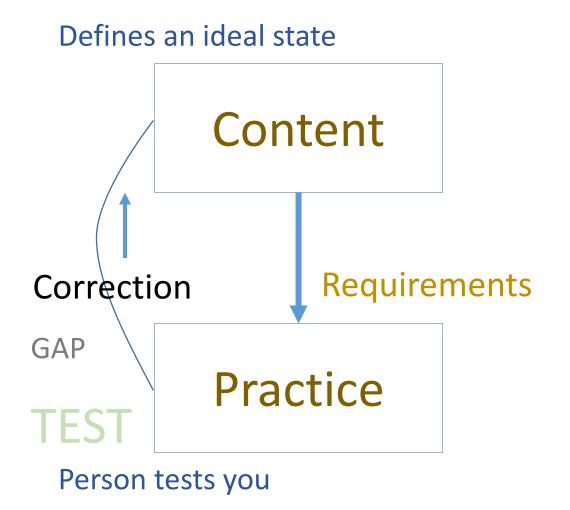
Defines an ideal state Content Correction **GAP** Practice Person tests you

Defines a desired state



Library

Environment

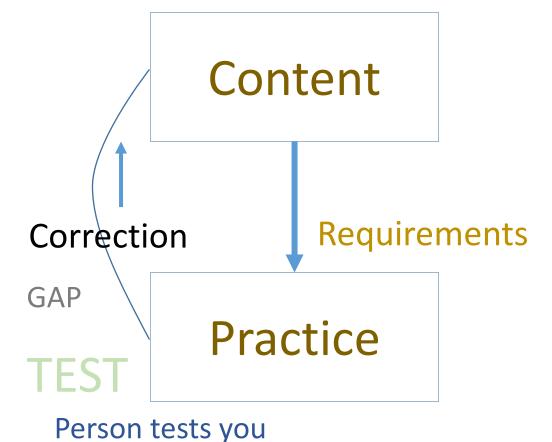


Defines a desired state Practice Affordances **Iteration** Opportunity Content Person helps you

Personalized

We do for you

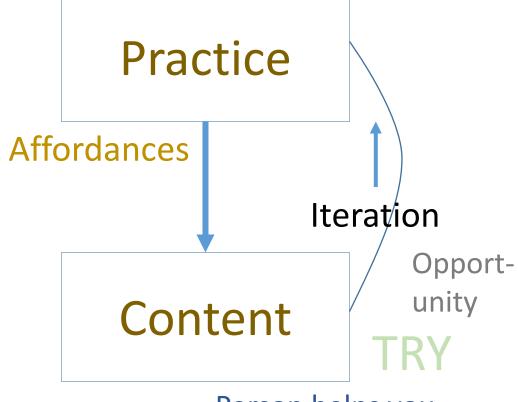
Defines an ideal state



Personal

You do for yourself

Defines a desired state



Person helps you

xLearning vs cLearning



contents

engagement

networks

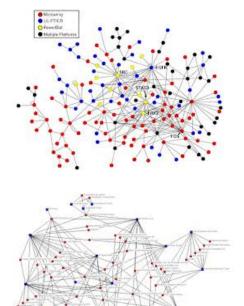


http://www.corestandards.org/



http://www.magnet.edu/

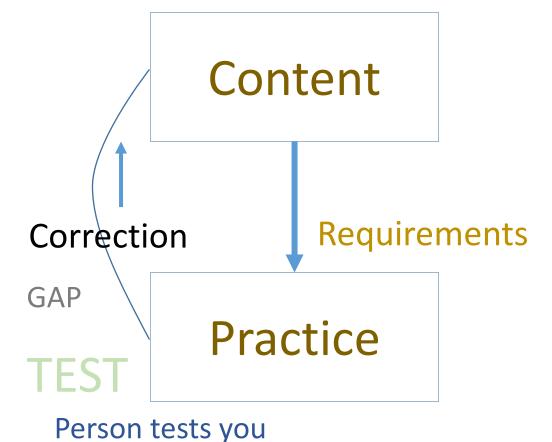




Personalized

We do for you

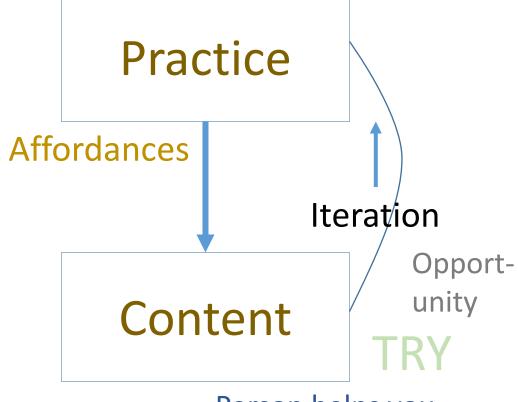
Defines an ideal state



Personal

You do for yourself

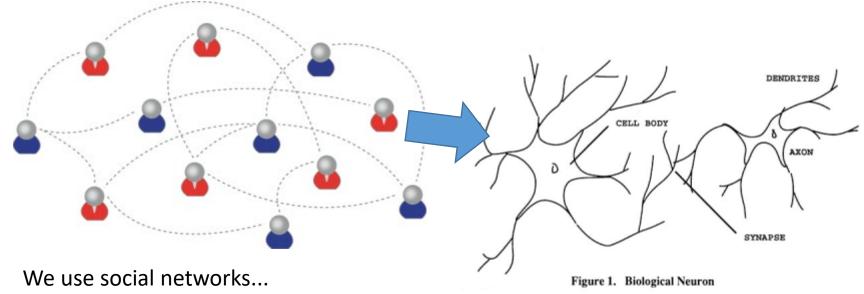
Defines a desired state



Person helps you

How to Create a cMOOC

- It's like creating a network
- Don't centralize
- Concentrate on the creation of links



... to create personal knowledge

LPSS (Learning & Performance Support Systems)

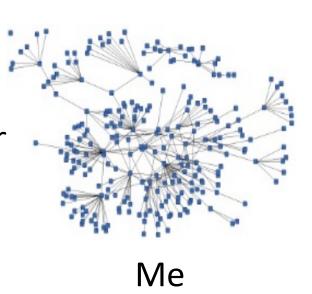
Management Layer Data, Information Retrieval Search/Recommendation Layer Cleansing/Filtering/Profiling/Proce Learning activity sequencing/modeling ssing Data Representation Prototype Repository Standards/Communication protogols Data Capture Security Protocols Security Protocols Personal Learning Record Distributed Architecture Data synchronization Personal Access to Network Storage Performance Trends Algorithm Cloud Storage and Management Competence Development

Automated Assessment

LPSS is Built Around the Personal Learning Record

This is a *new* type of data – we call it the *personal graph*.

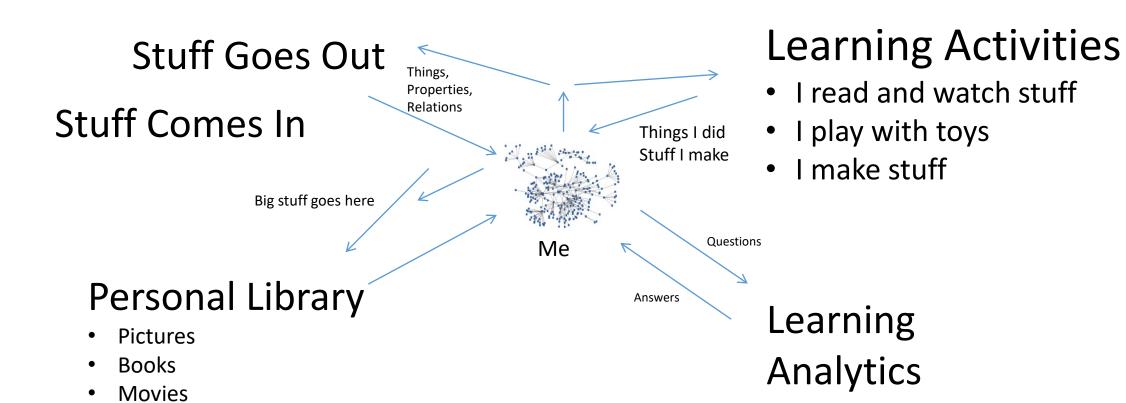
Each person has their own *private* personal graph.



The PLR contains all a person's learning records, including:

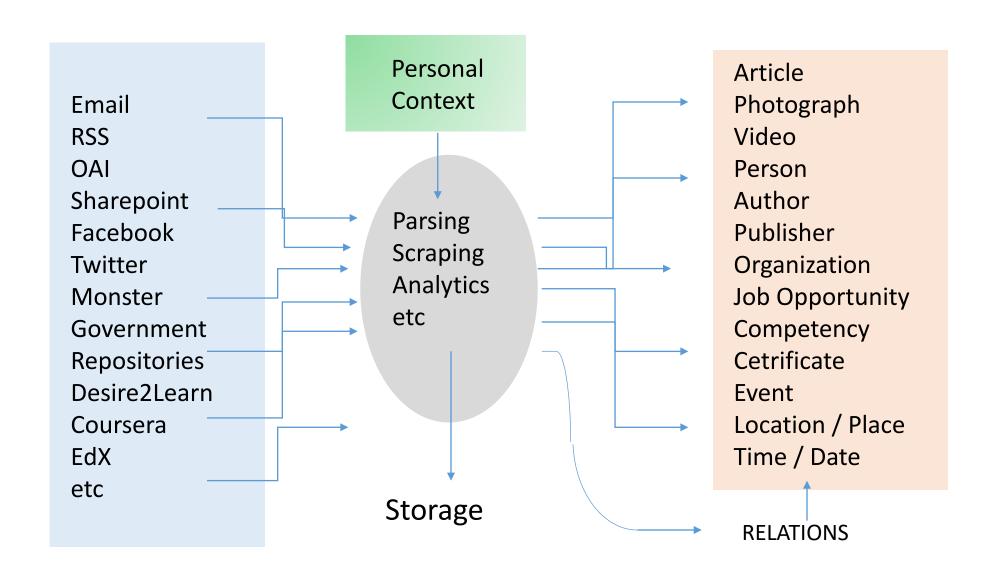
- certificates, badges and credentials
- activity records, test results, scores
- Assignments, papers, drawings, things they create

LPSS is Built Around the Personal Learning Record

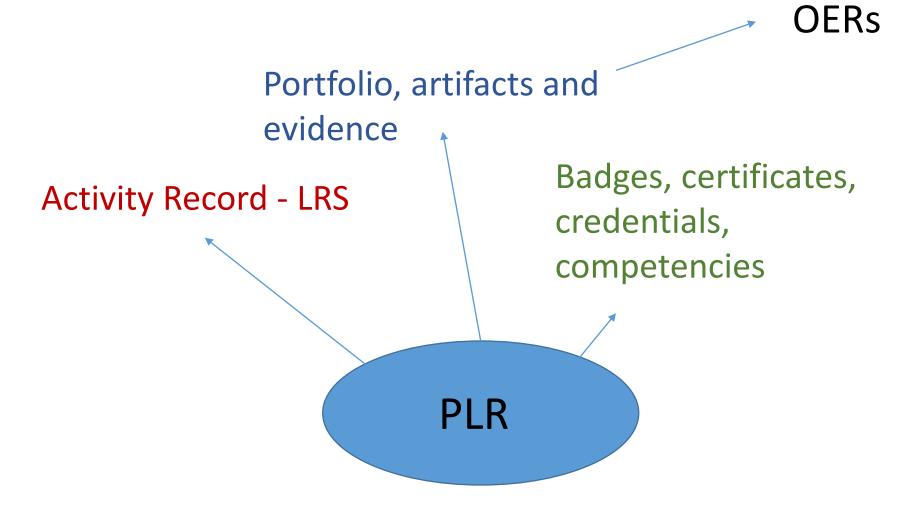


Services

RRN Aggregation and Storage

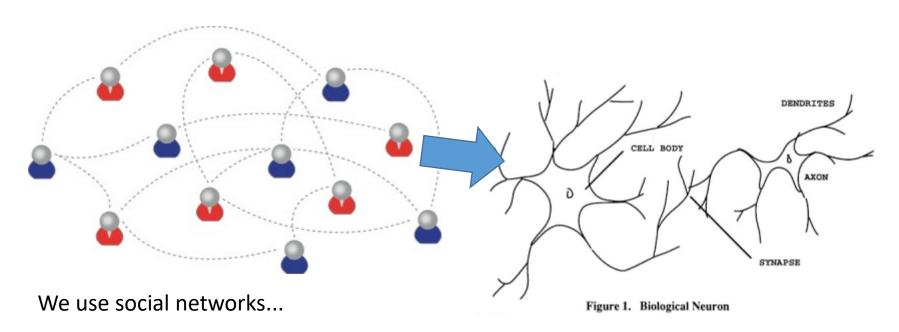


Personal Learning Record



What is Learning?

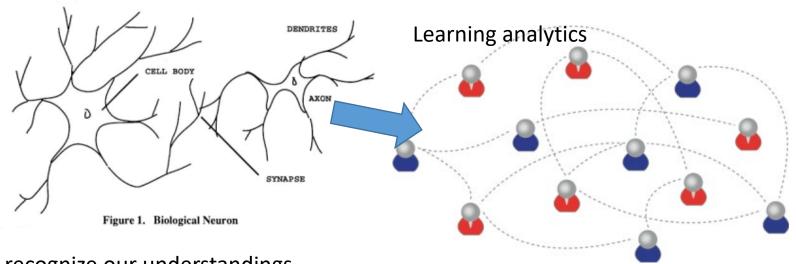
- Engagement and experience in professional networks
- We *grow* our knowledge and capacities



... to create personal knowledge

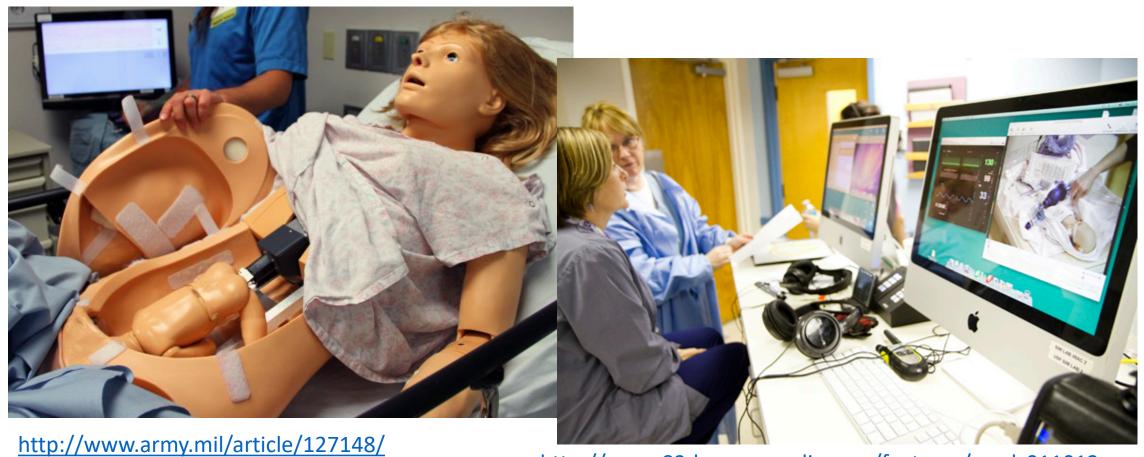
How to Evaluate Learning

- Learning is not possession of a collection of facts, it's the expression of a capacity
- Learning is recognized by a community of experts in a network



We recognize our understandings...

Medical Simulations



http://www.83degreesmedia.com/features/camls011012.aspx

Flight Simulators



http://www.cae.com/World-s-first-AW189-full-flight-simulator-ready-for-training/



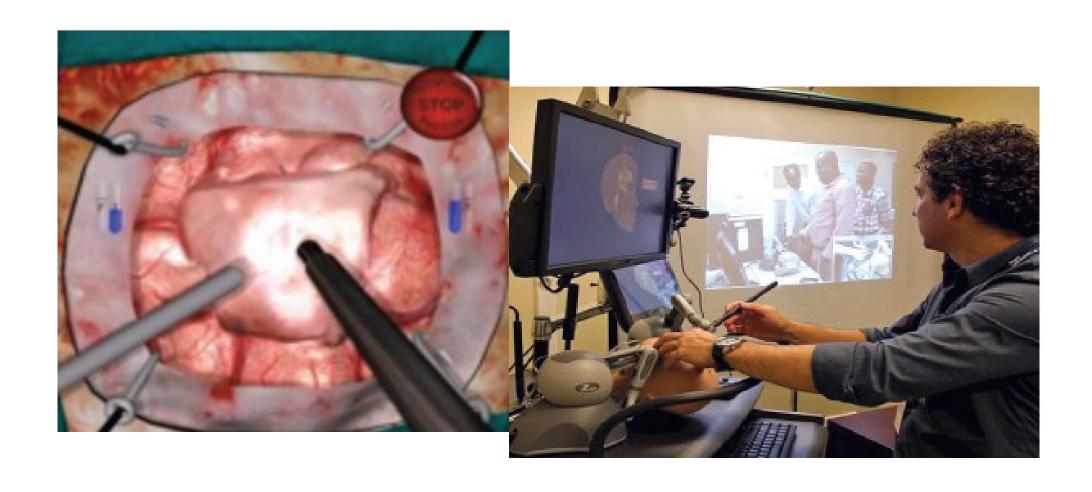
http://www.aiac.ca/canada-aerospace-industry/success-stories/cae-nh90-helicopter-simulator/

MINT - Mobile INteractive Trainer



http://www.downes.ca/post/59876

NeuroTouch Simulator



Sim-Welding

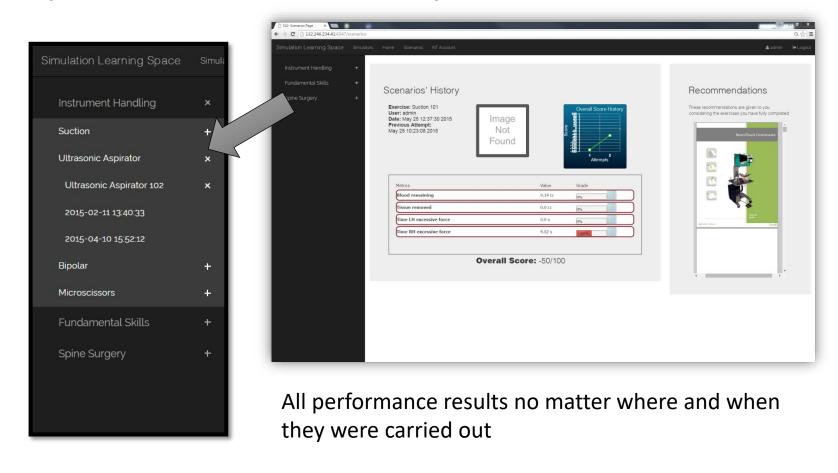


LPSS-Sim Project Overview

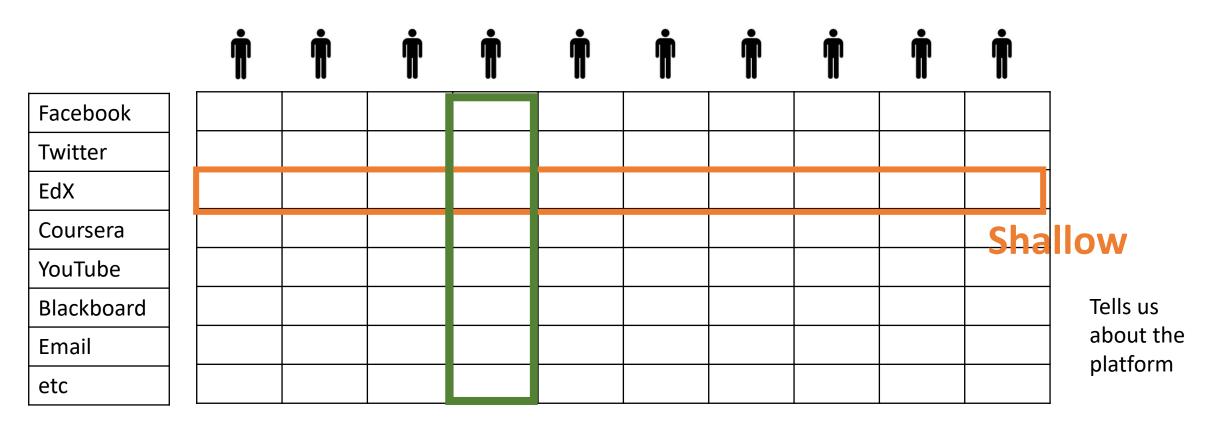


Combining Experiences

One place for all simulation experience



Analytics and Big Data

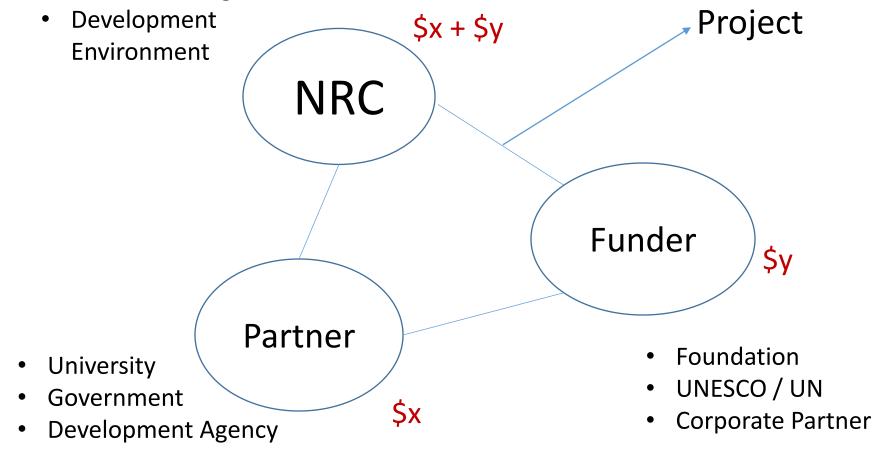


Deep

Tells us about the person

Expanding LPSS

- \$20 Million Investment
- NRC Technologies





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