

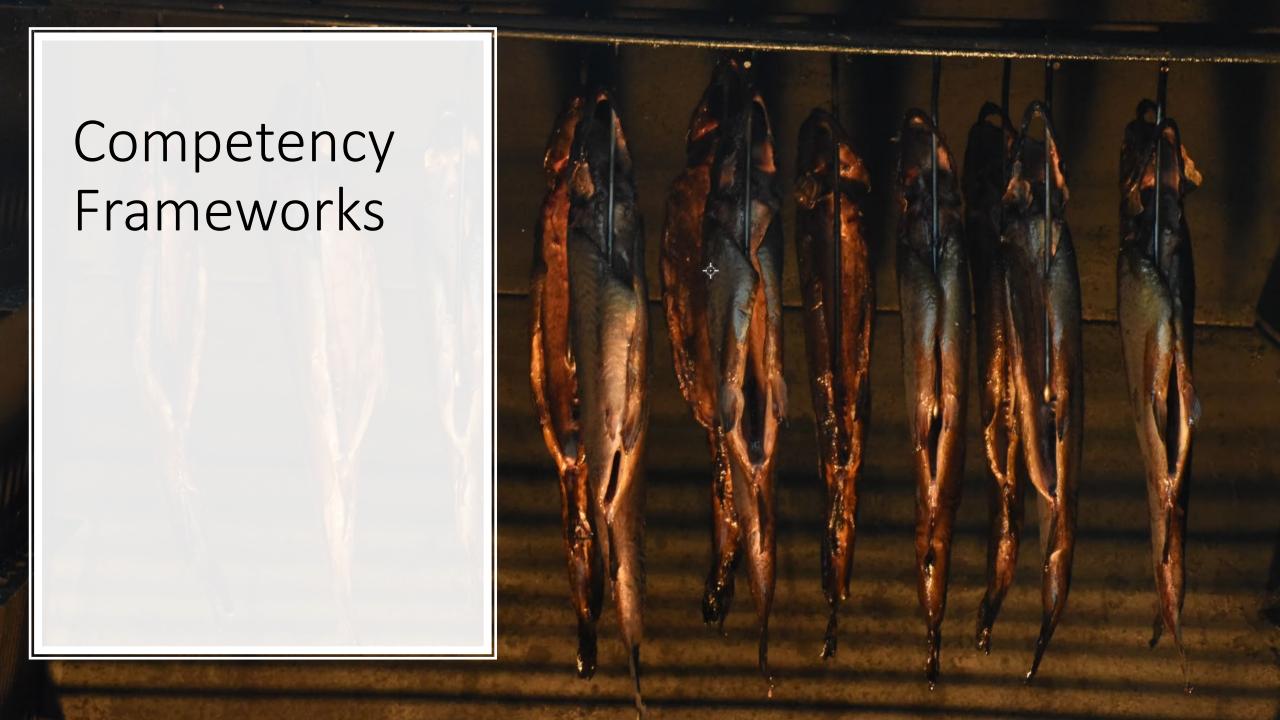
Current Focus in Learning Technology

- Competency Frameworks
- Personalized Learning
- Innovation & Skills Development

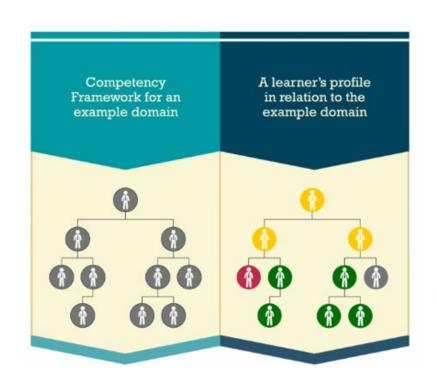
This demand-driven and outcomesdriven approach may not best serve student needs

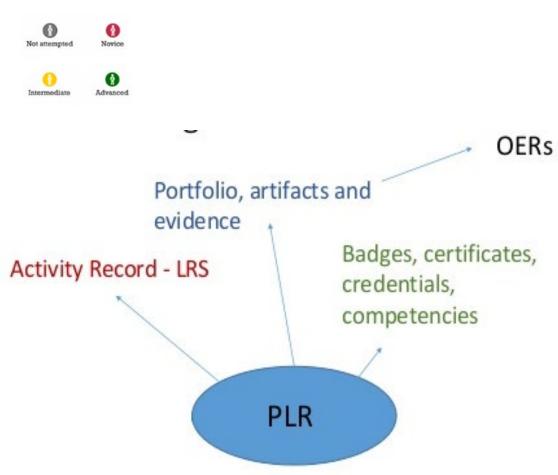


http://www.personalizelearning.com/2015 02 01 archive.html



Competency and Skills System (CASS)





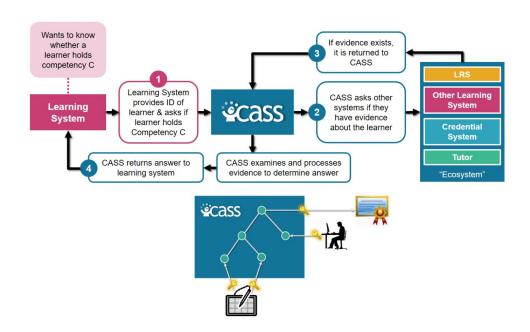
Competency Framework

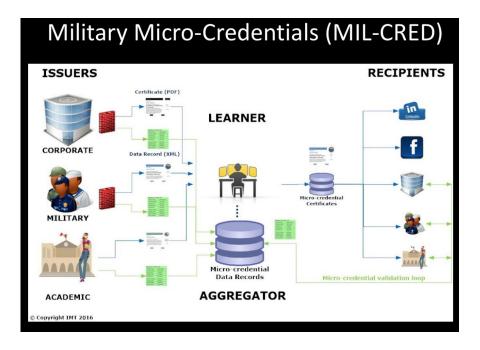
- Learning outcomes,
 - learning objectives but also traits, etc., can be represented
 - Asserts include roll-up rules
- Assertions assertions of individual competency
 - Includes 'who said so' source
 - Degree of confidence
 - Permissions, privacy and security model



ADL and CASS

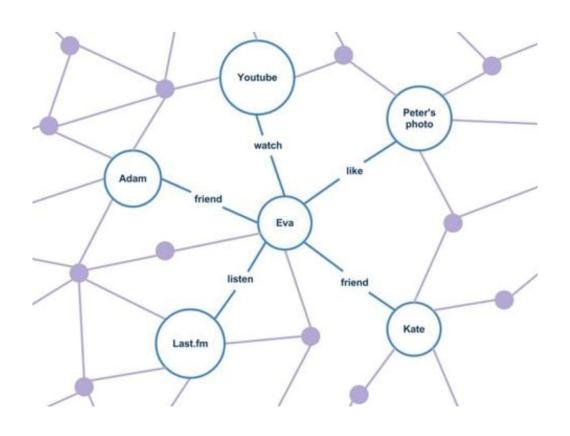
- Primary use of CASS is through REST APIs
 - Refer to competencies through globally unique GUIDs
 - Import / Export in standard formats





Whither the Semantic Web

- The web of obsoledge
- Old paradigms of documents, knowledge and keyword search.
- Documents only a small sliver of the stuff that matters
- Information needs to find us, when we need it





Personalization

Recognition Networks The "what" of learning



Affective Networks The "why" of learning



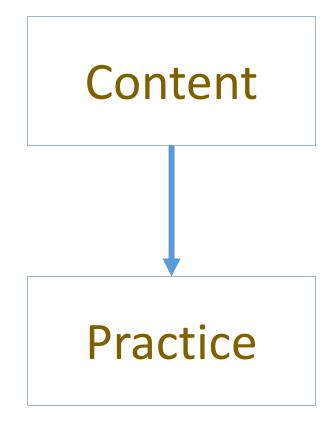


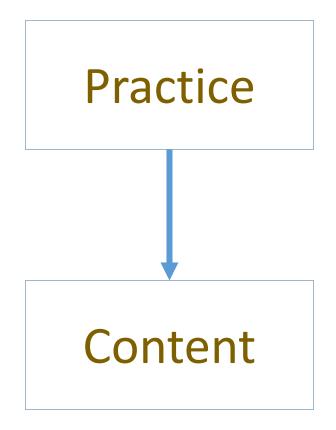


- What we learn
- How we Learn
- Why we learn

- Rules-Based Events (like notifications)
- User Models
- Adaptive Learning

Two Approaches...





Two Approaches...

Defines an ideal state Content Practice TES₁ Person tests you

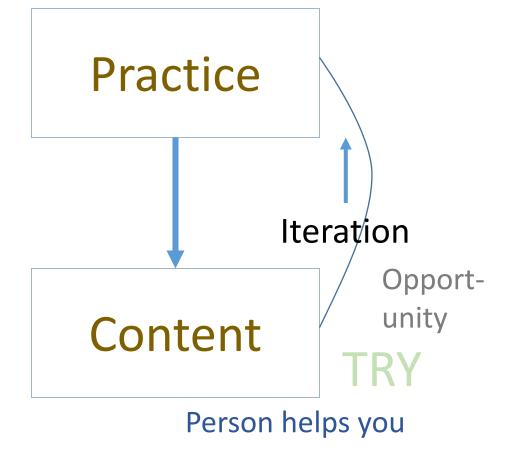
Defines a desired state



Two Approaches...

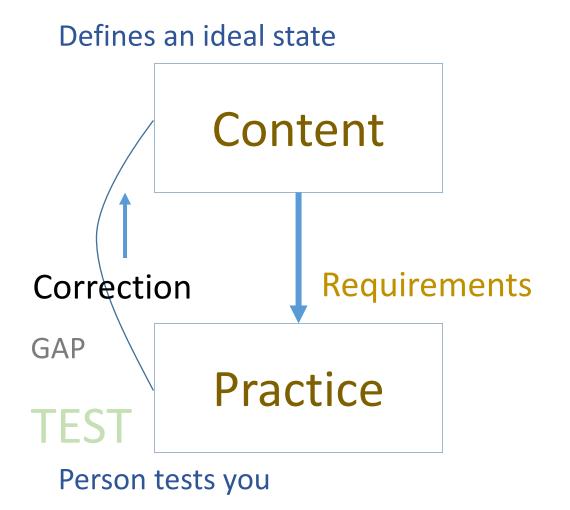
Defines an ideal state Content Correction **GAP** Practice Person tests you

Defines a desired state



Library

Environment

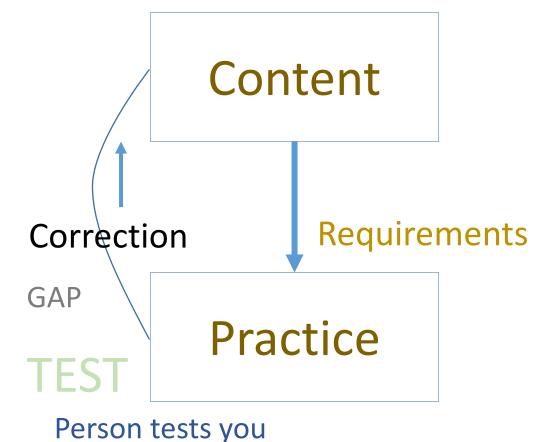


Defines a desired state Practice Affordances **Iteration** Opportunity Content Person helps you

Personalized

We do for you

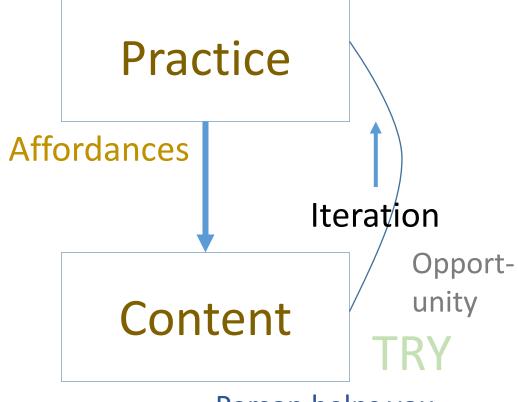
Defines an ideal state



Personal

You do for yourself

Defines a desired state

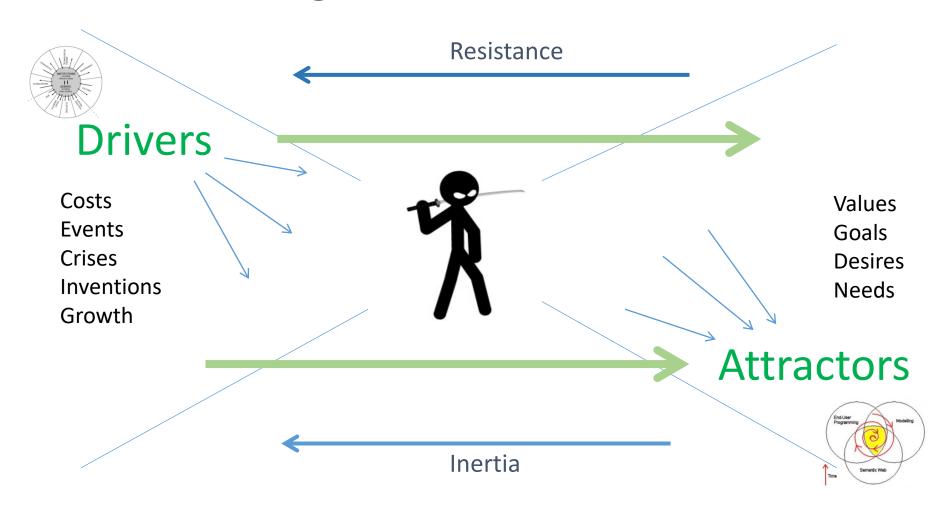


Person helps you

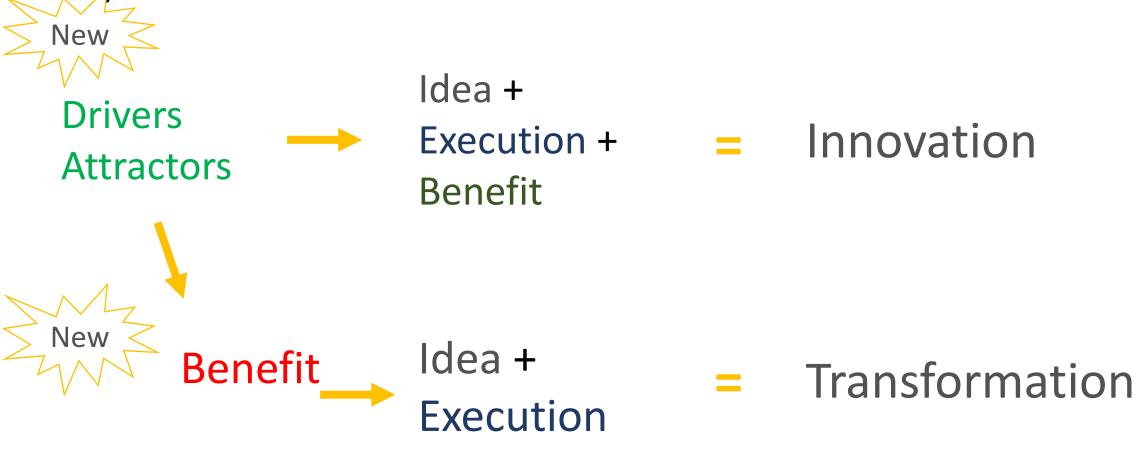
Innovation and Skills Development



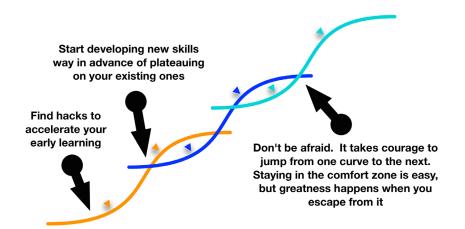
Causes of Change



Beyond Innovation



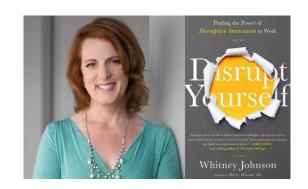
What is the new Benefit? An Example



Employees are expecting new results from workplace learning

The Evolution of The Employer-Employee Social Contract – Jesse Lyn Stoner

	Organization Offers	Employee Offers	Career Path	Company Attitude	
The Original Contract	Job for Life	Loyalty	Ladder	Discourages career disruption	
The New Contract	Opportunity to develop skills	Engagement	Ladder	Tolerates career disruption	
The Next Contract Opportunity for multiple careers		Creative, fresh thinking and enthusiasm	Wave Riding	Supports and encourages career disruption	



The New Model of Work and Learning

- Sharing create linked documents, data, and objects within a distributed network
- Contributing employ social networking applications of the Web to facilitate group communication
- Co-creating work through networks that facilitate cooperative group work toward common goals

Some of the more promising trends...

- Open online learning
- Learning analytics
- Personalized learning
- Competencies
- Digital badges
- Blockchain security
- Virtual personal assistants
- Internet of things
- Virtual Reality
- Games and Gamification









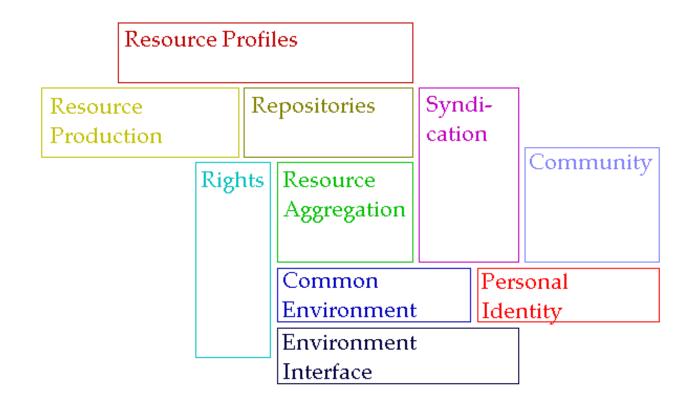






The Personal Learning Architecture

- Don't do things to people, help people do things
- If we have to ask "how do we motivate people" then we're taking the wrong approach
- Provide opportunities for autonomy, mastery, purpose – Pink



	Syntax	Semantics	Context	Use	Cognition	Change				
Aggregate										
Remix										
Repurpose							`			
Feed Forward										
Autonor	ny									
Diversity Values Openness										
	3	Interaction				_				

Method as Discovery:

- To discover something is to be immersed in it, to speak it and listen to people speaking in it
- To immerse oneself in the world is to try listening and to try speaking

Stephen Downes

http://www.downes.ca

