Open Learning, Open Networks

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  http://bit.ly/2n3bPtm

- Presentation Page
  http://www.downes.ca/presentation/468

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  http://www.downes.ca/cgi-bin/cchat.cgi?chat_thread=753

A Time of Challenges

- The usual: famine, war, etc.
- Plus:
  - Climate Change https://climate.nasa.gov/
  - Fake News https://shatteredmirror.ca/
  - Poverty & Inequality
    http://www.oecd.org/social/inequality-and-poverty.htm
  - Social Media
    http://www.npr.org/2016/11/08/500686320/did-social-media-ruin-election-2016

Redbubble - https://www.redbubble.com/shop/four+horsemen+stickers

Current Work

- Elearning Landscape – TBA
- Future of eLearning – TBA
- Canada School of Public Service - http://www.csps-efpc.gc.ca/index-eng.aspx
- CASS - https://www.adlnet.gov/introducing-the-next-big-thing-cass/
- MOOCs – yes, still – http://www.federica.eu/c/connectivism_and_learning http://candl.mooc.ca
- MOOC Aggregation Engine – http://www.mooc.ca
- Personal Learning Environments – gRSShopper in a Box – http://grasshopper.downes.ca
- Connectivism - https://www.slideshare.net/CatherineFarrant/connectivist-learning-theory
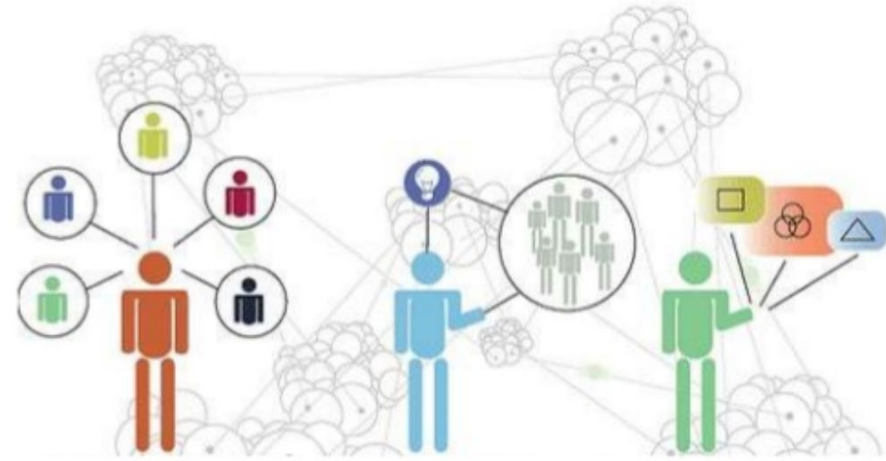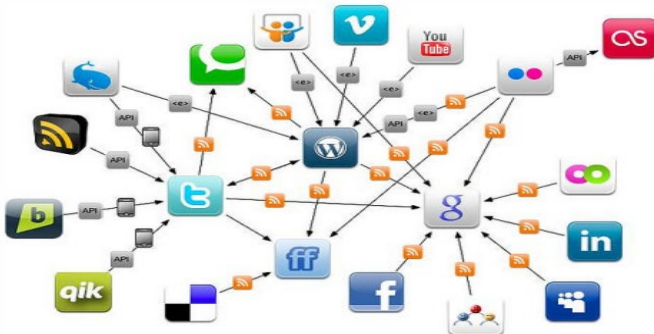
MOOCs

- True History of the MOOC - https://sites.google.com/site/themoocguide/home

- cMOOC and xMOOC - http://www.tonybates.ca/2014/10/13/comparing-xmoocs-and-cmoocs-philosophy-and-practice/

- FutureLearn - https://www.futurelearn.com/

- Personal Learning- http://www.downes.ca/presentation/380

Distributed Social Networks

- Opera Unite - http://mashable.com/2009/06/15/opera-unite/

- Mozilla OS - https://www.npmjs.com/package/fxos-web-server

- Diaspora - https://www.joindiaspora.com/

- Solid - "social linked data" - https://solid.mit.edu/

- Keybase - https://keybase.io/

- InterPlanetary File System (IPFS) - https://ipfs.io/

Anne Helmond, May 2009

Cloud Infrastructures

- Environments: VMWare Fusion, VirtualBox

- Provisioners: Docker, Vagrant

- Configuration: Chef, Puppet

- Providers: AWS, MS Server

- Services: MS Cognitive, Wolfram Alpha, Segment

- Serverless CMS - http://www.downes.ca/post/66459
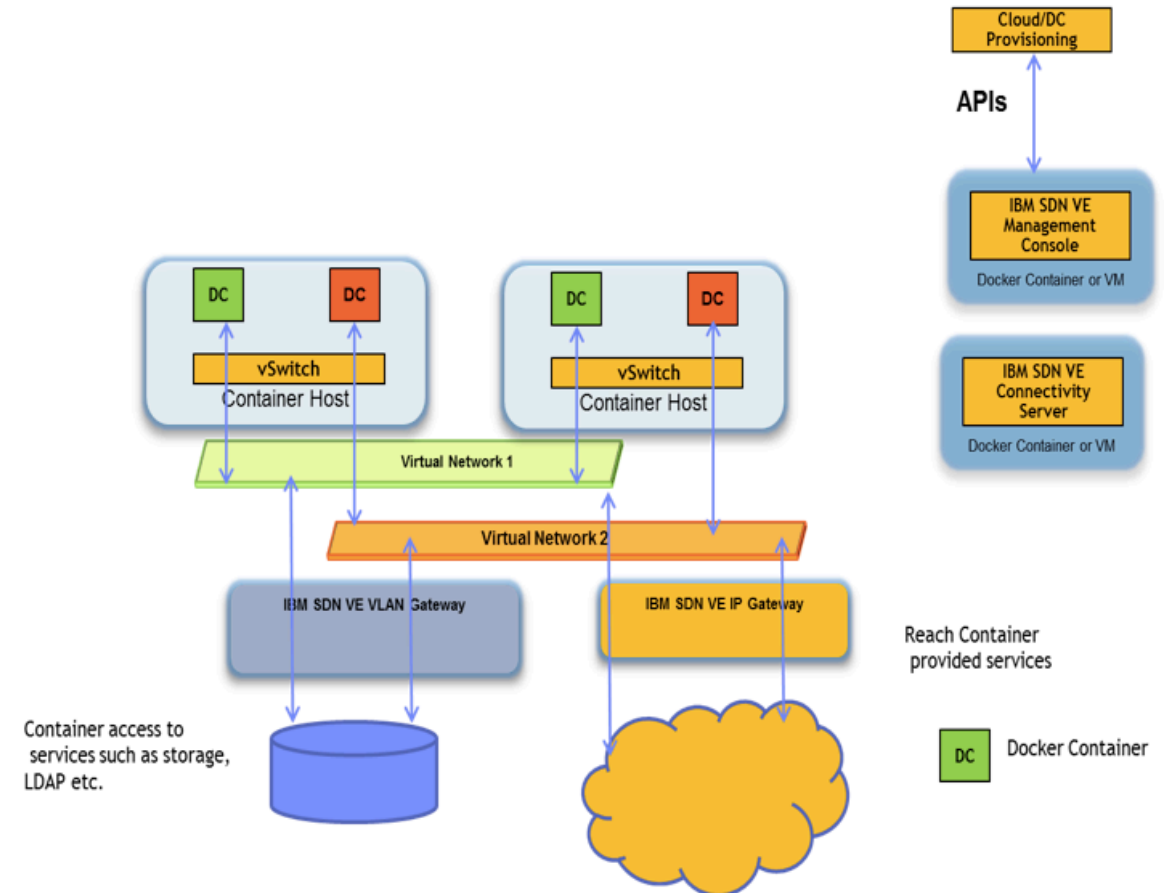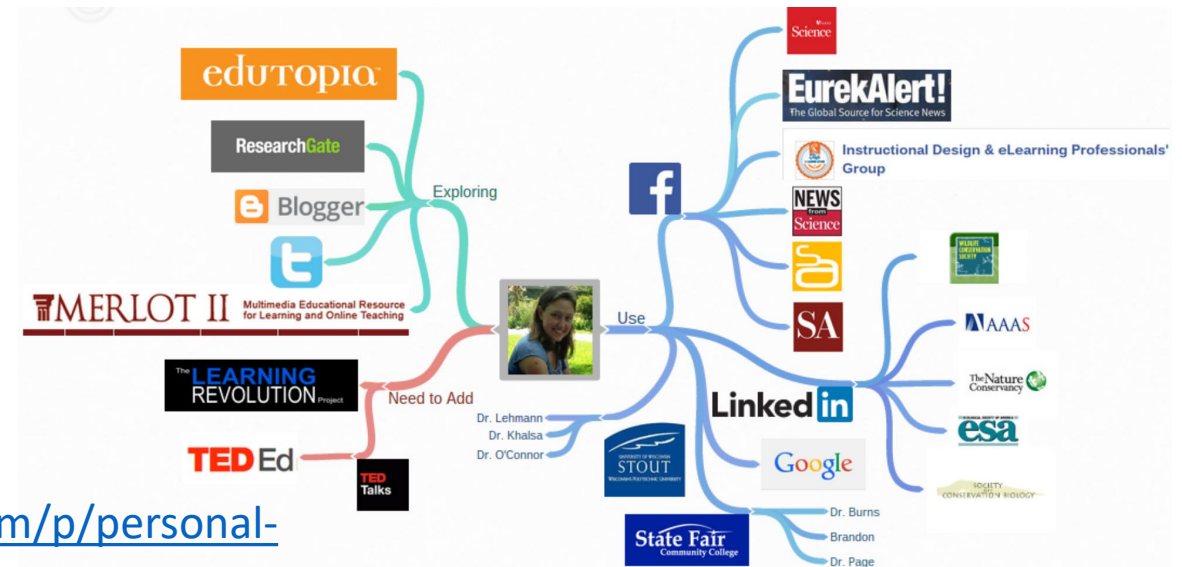
Immersive Reality

- What is 'Immersive' – a VR helmet?
- Key element of immersion: belief
  - (authentic) applications that matter
  - social presence (cognitive presence, teaching presence) - https://www.mnsu.edu/its/academic/isalt_social_presence_theory.pdf
  - multi-modality – cognitive + kinesthetic, etc. - https://www.slideshare.net/jtholden/the-learning-styles-revelation-research-from-cognitive-science
- Games and Gamification?
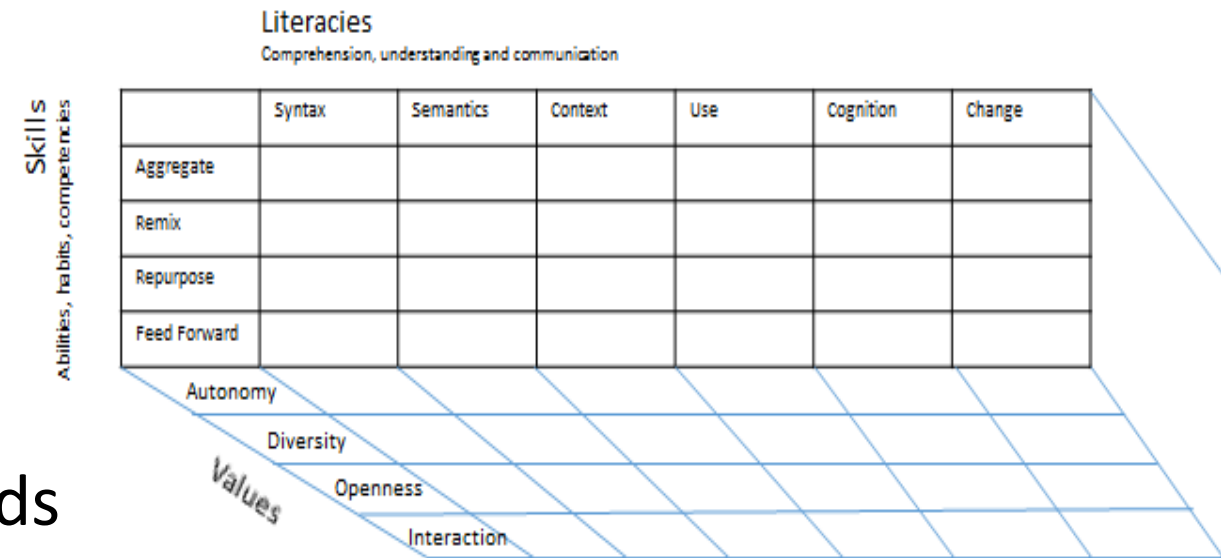
Personal Learning Environments

- Resource Repository Network (Aggregation) - http://ec.europa.eu/ipg/standards/markup/web-content-syndication/index_en.htm

- Personal Cloud – Dropbox, OwnCloud, etc. https://owncloud.org/

- Personal Learning Record – Learning Record Store (xAPI) https://www.adlnet.gov/tla/

- Personal Learning Assistant
  - like Siri? Alexa?

- Distributed Intelligence – MLaaS

  https://www.slideshare.net/KarlSeiler/mlaas-machine-learning-as-a-service

  Heather Taft http://taftportfolio.blogspot.com/p/personal-learning-environment-ple.html

Challenges to Learning Providers

- Content Knowledge Vs. Literacies
  - Not just reading and writing…
  - http://www.downes.ca/presentation/369
- Employment skills Vs. Education
- Courses Vs. Performance Support
- Authority Vs. the Wisdom of Crowds
  - Autonomy, Diversity, Openness, Interactivity
  - Social Proof? https://en.wikipedia.org/wiki/Social_proof
- Credentials Vs. Learning Vs. Connections - http://er.educause.edu/articles/2015/3/credentialing-in-higher-education-current-challenges-and-innovative-trends

Literacies
Comprehension, understanding and communication

Skills
Abilities, habits, competencies

	Syntax	Semantics	Context	Use	Cognition	Change
Aggregate						
Remix						
Repurpose						
Feed Forward						

Autonomy
Diversity
Openness
Interaction
Values

Challenges to Educational Institutions

BURDEN SHIFTED TO STUDENTS AND FAMILIES

State and Tuition Funding per FTE
(in 2013 Dollars)

$17,000
(FUNDING PER FTE)

$16,600
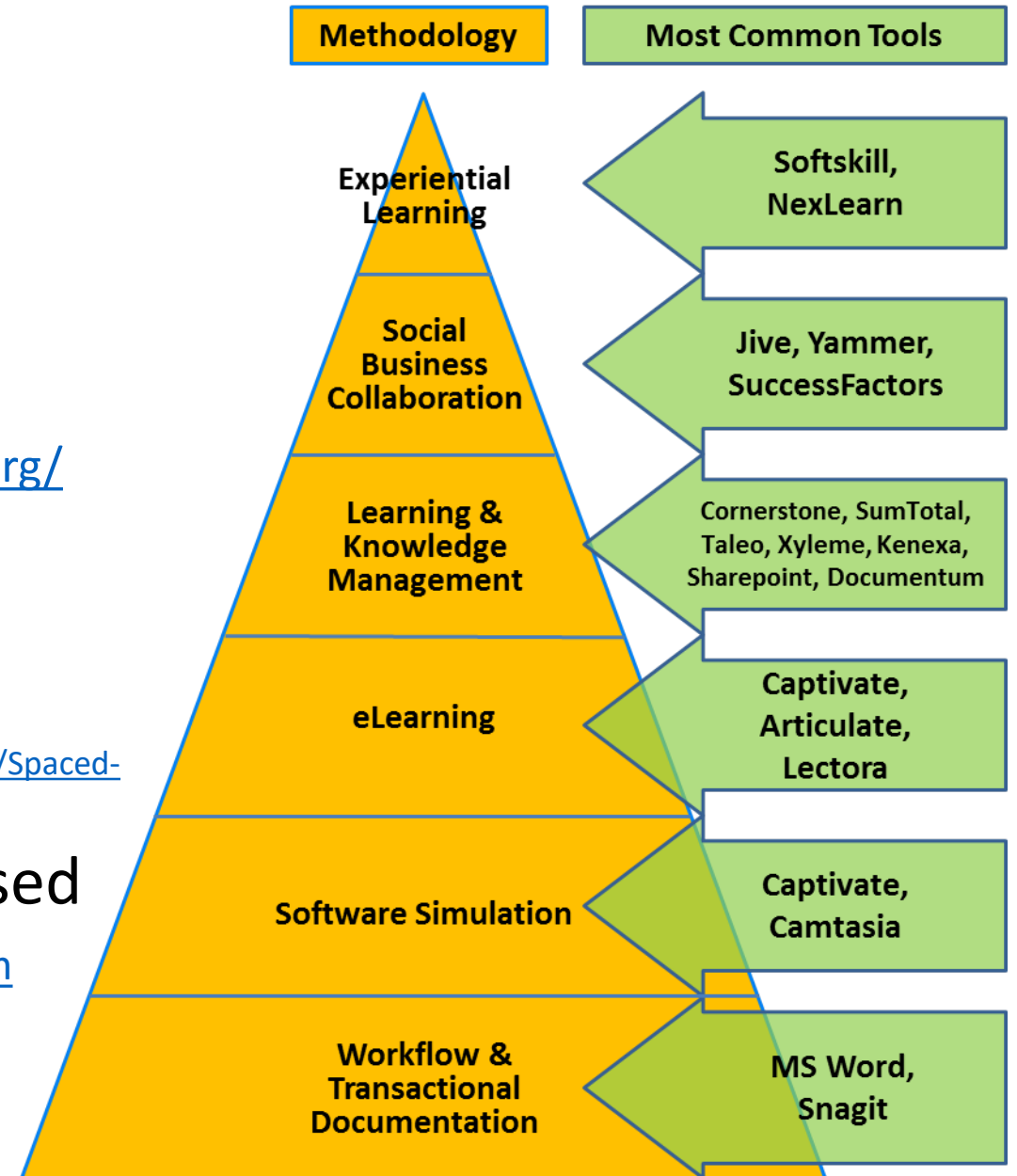(FUNDING PER FTE)

Tuition Revenue per FTE
State Funding per FTE
Total Funding per Student FTE
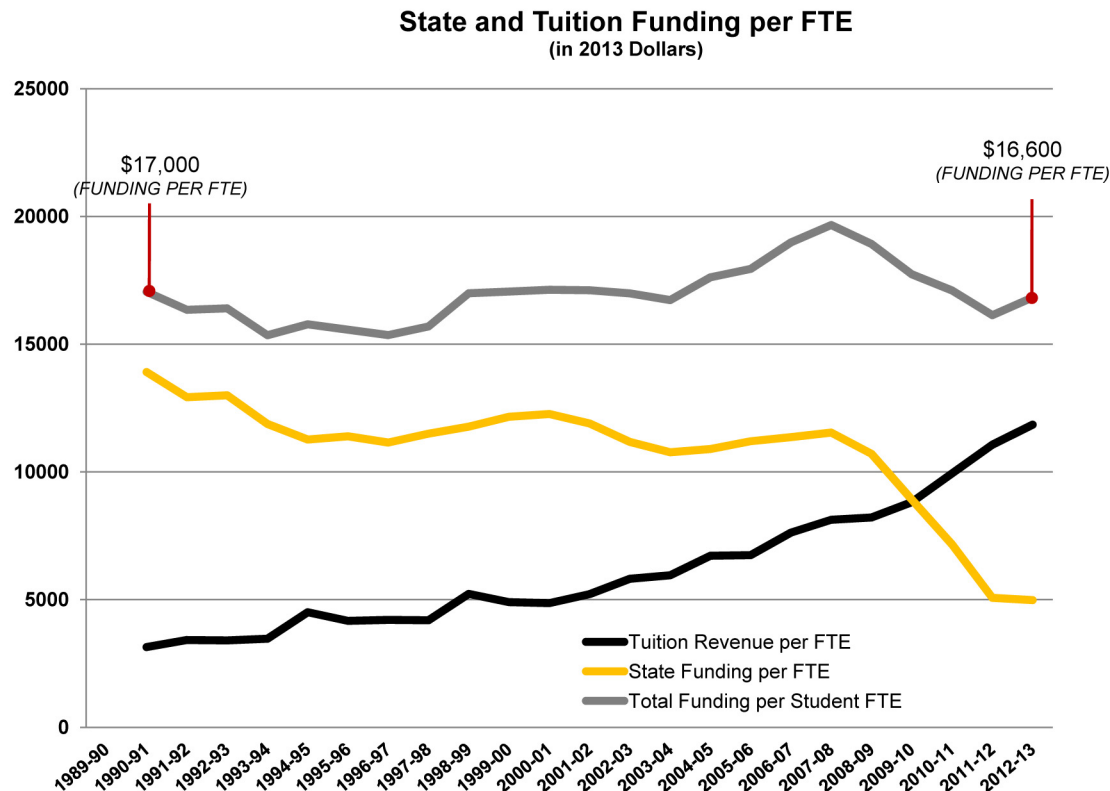
- Public Education Vs. Private Sector
- Funding: Tuition, Grants, Reseach….?
- Enterprise Vs. Distributed?
- Federated Vs. Open? (Social signon Vs. Single Signon Vs. ??)
- Transcripts Vs. Blockchain Vs. ??   http://blockgeeks.com/guides/what-is-blockchain-technology/

http://old.seattletimes.com/html/opinion/2018504888_guest25blakecole.html

Moving Forward

- Competencies? Vs. Capabilities
  http://www.downes.ca/post/64879

- Badges? Vs. Evidence https://openbadges.org/

- Classes Vs. Performance Support
  http://www.nrc-cnrc.gc.ca/eng/solutions/collaborative/lpss.html

- Microlearning? Vs. Spaced Learning -
  https://www.td.org/Publications/Blogs/Science-of-Learning-Blog/2015/01/Spaced-Learning-an-Approach-to-Minimize-the-Forgetting-Curve

- Course Libraries? Vs. Subscription-based Learning - http://www.downes.ca/news/OLDaily.htm

Methodology	Most Common Tools
Experiential Learning	Softskill, NexLearn
Social Business Collaboration	Jive, Yammer, SuccessFactors
Learning & Knowledge Management	Cornerstone, SumTotal, Taleo, Xyleme, Kenexa, Sharepoint, Documentum
eLearning	Captivate, Articulate, Lectora
Software Simulation	Captivate, Camtasia
Workflow & Transactional Documentation	MS Word, Snagit

http://epiloguesystems.com/about/

Doing the Right Thing

- Who are your clients?
  - The state? The governor?
  - Technology companies?
  - Your department? Your institution?
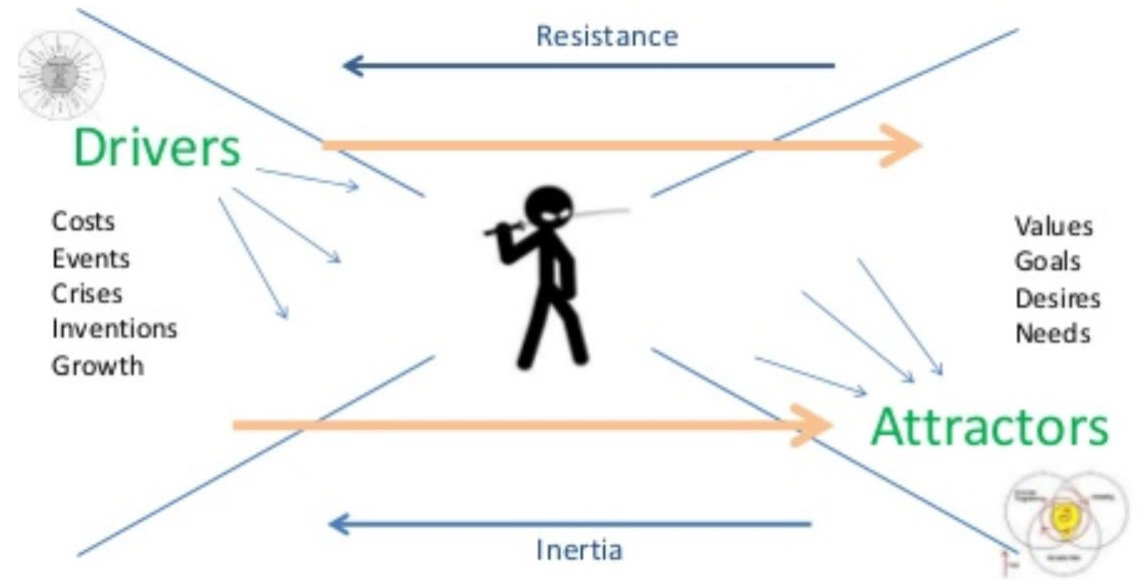
- What are you Building?
  - Drivers Vs. Attractors
  - Empowerment Vs. Dependence?

- How does the story end?