

Changing the Teaching and Learning Landscape: Innovation in Education

How to innovate the 'teaching and coaching of innovation'?

Dr Anna Trifilova, Leader of Teaching & Coaching Innovation, ISPIM

Research Fellow, University of Exeter, UK

Fraunhofer MOEZ & University of Leipzig, Germany

ERASMUS Congress, Nicosia, 1 May 2014



...Foreword...



Learning Outcome?



Learning Outcome?



Learning Outcome?

I SAID I TAUGHT
HIM. I DIDN'T
SAY HE LEARNED
IT



Agenda

Teaching & Coaching SIG ISPIM...you are not alone...

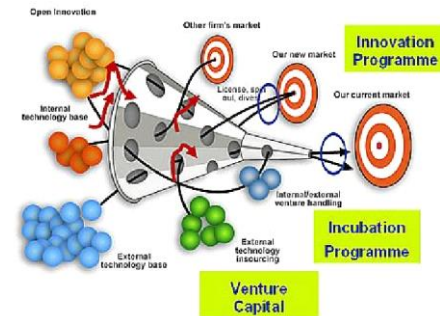
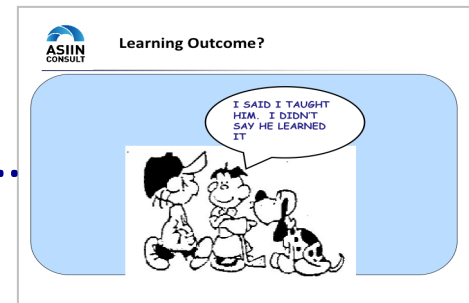
Innovation portal and online resources available...

Some simple teaching ideas...you can do it...

Interactive teaching methods community...join in...

Changing Education Paradigm...RSA video....

Simon story...as a take-away....



shops & Seminars

provide an opportunity to interact.
a mechanism to apply and test evidence-
re developed an extensive range of tools
eaching and practice at www.innovation-
explore how these can be applied in both
er environments...

es a 360° approach

tudents as innovation capacity to regional
return offer complex cases with a variety
s to work on. Student project groups
tion Hub, where their respective
s refine the problems in a new case based
360° Inverse Light House...

ry, innovations inspired by nature

perience in international sustainable
policy, management and field work in
Europe, Sally facilitates experiential
trained Biomimicry Educator is
learn directly from ecosystems to inspire
nable business challenges...

asic band performance'

ign requires a combination of different
ical basis to the animation of workshops
y principles. Innovative design is also a
ent disciplines like instruments ring
lody different from a musician playing
music if teachers make a band...

PLAY IT: Understanding Innovation Through Games

Challenge

Struggling with teaching and coaching innovation interactively? Want to understand innovation via gamification? Looking for mastering Innovation Games? Then, this session is for you....

Game in Action

During this session we play with participants two games, as a take away. One game is a learning tool

for teaching innovation with the students. The second game is a serious one that has the potential to become a management tool to interact with customers in companies. At this session, along practicing games we also provide you with some theoretical background on what a

game is, so, that you can create your own game or join us in our new games co-creation.



Facilitators



John Bessant, University of Exeter, UK



Anna Trifilova, University of Exeter, UK



Edward Faber, T-Xchange, Netherlands

Venue

ISPIM Conference in Dublin, Tuesday, 10th of June 16.00 – 17.30, Achill Hall Level 2.

Invited Speaker Session: Coachi

Session Question

This Session explores a thought-

Session Facilitator

Dr Anna Trifilova, University of I

Invited Speakers & Topics

Meaningful innovation wh



Luca Sacchi,
Piaggio Group, Head of
Product Planning and
Strategic Innovation

R&D is an old school... Increas



Mikael Johnsson, Blekinge
Institute of Technology a
Munkell Science Park,
Sweden

From good ideas to great in



Dr. Bastian Bansemer,
Strategy, Innovation &
Cooperation, BMW Group
Germany

'Unleash Your Cr



Tomislav Buljubašić
Innovation and Technolo
Manager in Siemens
Convergence Creators d.c

SIG Supporters





ISPIM Special Interest Group: Teaching and Coaching Innovation

To find out more....



<http://conference.ispim.org/>

<http://ispim.org/groups-communities/teaching-coaching-innovation/>



Agenda of the workshop



Innovation Portal

- Exercises
- Games
- Video
- Workshops
- Seminars
- Case-studies
- ...the teaching toolkit



<http://www.innovation-portal.info/managing-innovation/>



CLICK HERE TO SEE THE
**INTERACTIVE
E-BOOK**



CLICK HERE FOR
**ONLINE
RESOURCES**

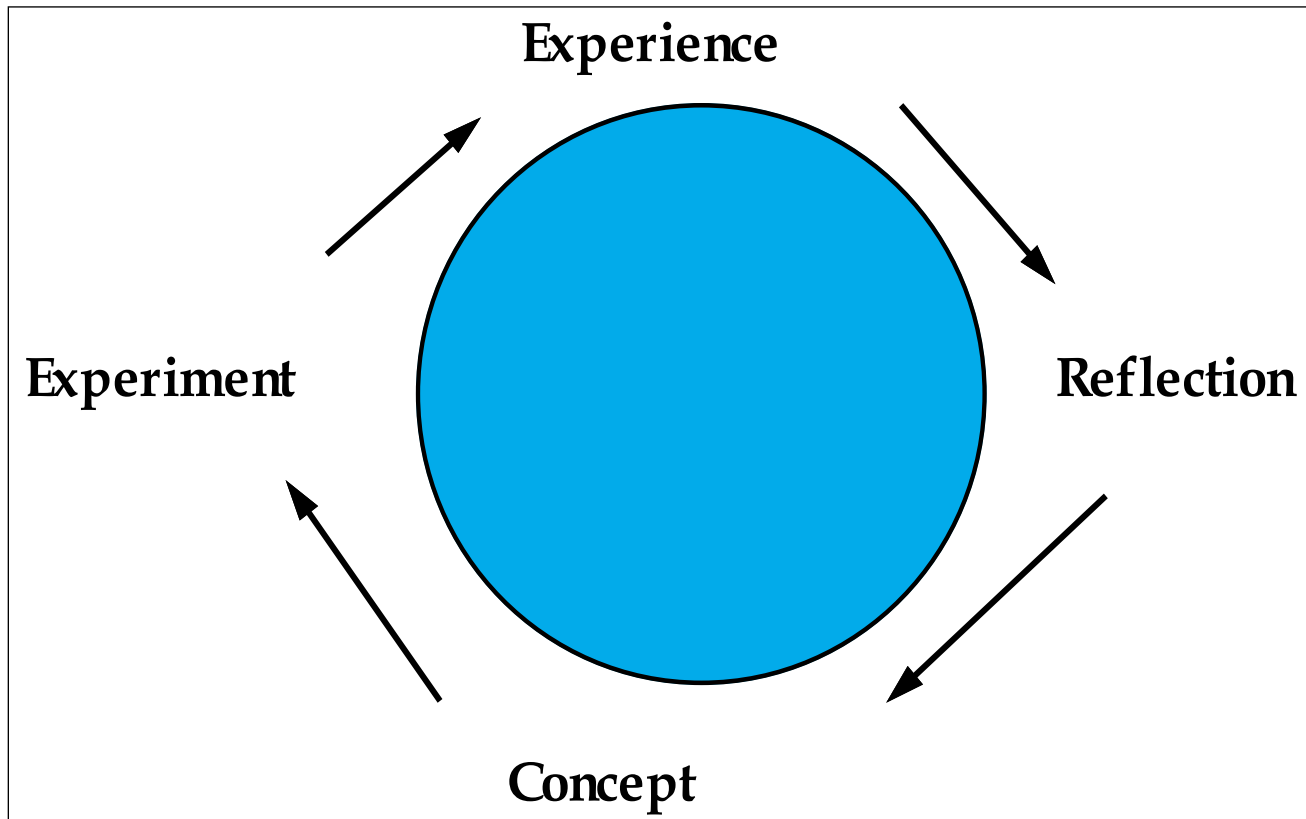


Purchase the
book online



Lecturer guide
and course
outline

Learning Cycle



A model of the learning cycle developed by David Kolb, psychologist

...how about a glass exercise...



...exercise brains as muscles...

Exercise 1



Exercise 2

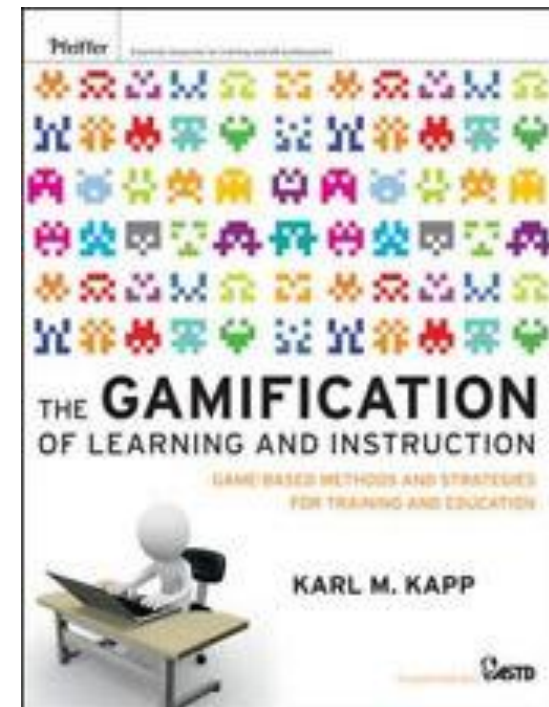


Exercise 3



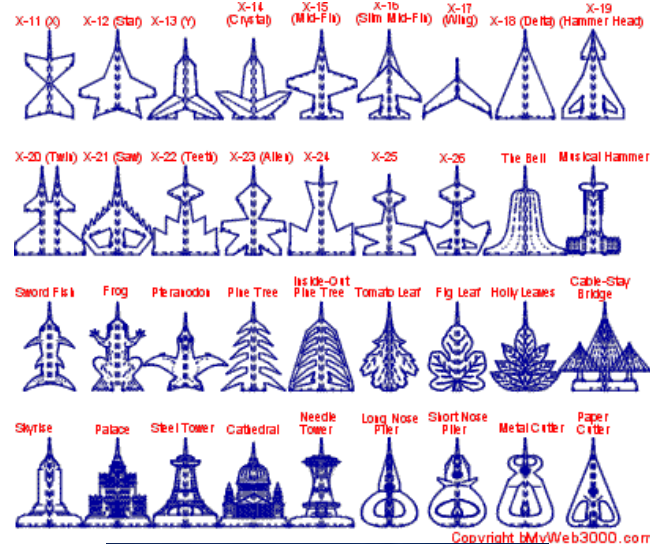
Elements of the game

- System
- Players
- Abstract
- Challenge
- Rules
- Interactivity
- Feedback
- Quantifiable outcome
- Emotional reaction



Let's game it...Innovation Strategy...

Game: Exploring Different Aspects of Innovation Strategy



Game: Review

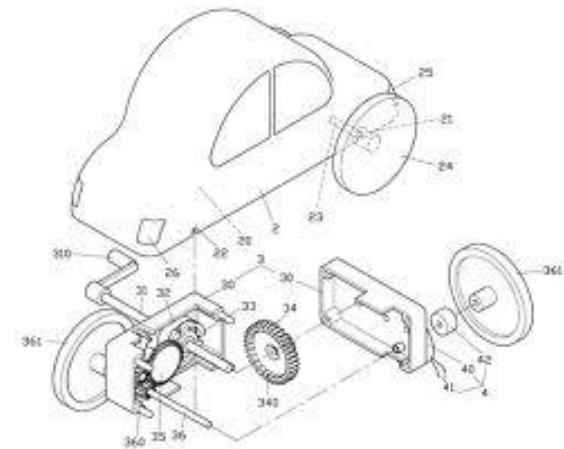
Game: Exploring Different Aspects of Innovation Strategy

- Factors of Success
- Failures
- Lessons Learnt
- Experienced Gained



Let's game it...New Product Development...

Game: Self-Propelled Car



...what else...

FIELD RESEARCH METHODS
NATALIE HANSON, PhD
Senior Director, Strategic Programs & UX Consulting, SAP Operations
Industry Fellow, Philadelphia University College of Design, Engineering & Commerce
20 April 2011

products
Field Research
software

PARADIGM (MENTAL MODEL)
PROCESS (incremental... radical)
INNOVATION
PRODUCT (SERVICE)
POSITION (incremental... radical)

Figure 1.1 The 4Ps of innovation space

FISH & CHIPS

FAIRMONT BEIJING
北京华彬费尔蒙酒店

PARADIGM (MENTAL MODEL)
PROCESS (incremental... radical)
INNOVATION
PRODUCT (SERVICE)
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Figure 1.1 The 4Ps of innovation space



Finnegan's Fish Bar

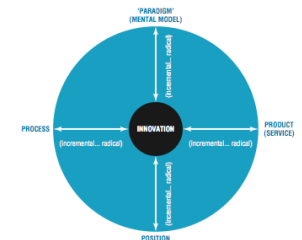
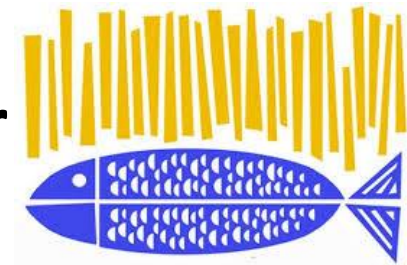


Figure 1.1 The 4Ps of innovation space

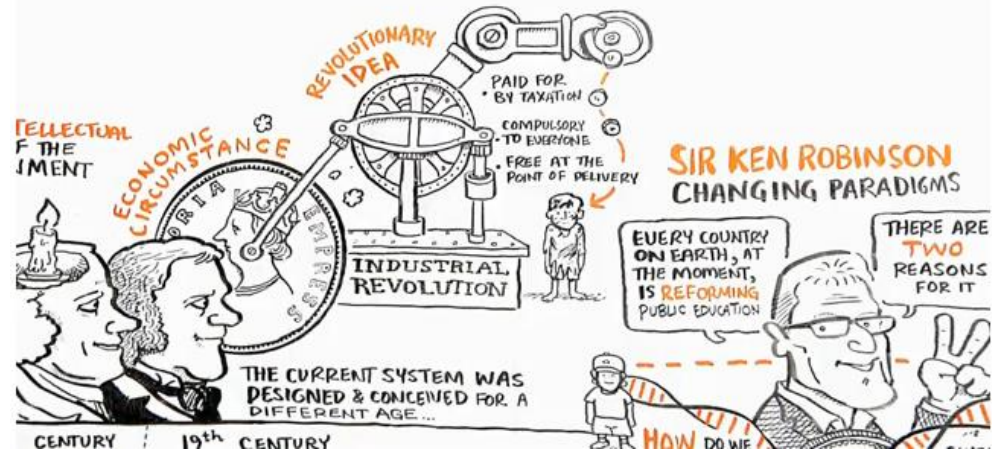
...what's more...



IDEO is an international design firm and innovation consultancy founded in Palo Alto, California, US with other locations. The company helps design products, services, environments, and digital experiences. Additionally, the company has become increasingly involved in management consulting and organizational design.



....Changing educational paradigm....



<http://dotsub.com/view/58707cf2-f861-46dd-95c3-62020b4ec8c8/viewTranscript/eng>



<http://www.youtube.com/watch?v=QSFI8D8QoXs>

....06:23....



A story about Simon...or of many of us....



....a contribution into the Future of
Innovation

“The Future Of Innovation Is All About Aliens”

Written by Alisdair Wiseman



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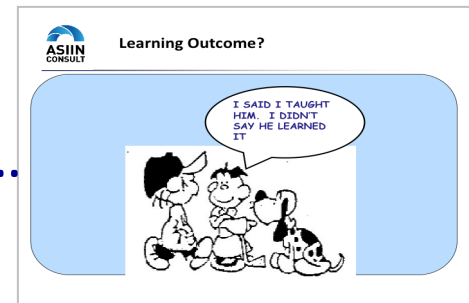
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ISPIM Special Interest Group: Teaching and Coaching Innovation



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Thank you...questions are welcome!!!

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ERASMUS Congress, Nicosia, 1 May 2014

