The Iterative Innovation Process Context and Lessons for its Implementation in Industry and Building Regional Ecosystems

> Andreas Wankerl awankerl@mit.edu



For Today

- Where we come from...
 - Our Timeline of Executing on Iterative Innovation
- Introduction to the Innovation Process
 - Iterative Innovation Model
 - Features of the Innovation Process
- Corporate Implementation and Governance
 - Operational vs. Innovation Efficiency
 - Operational vs. Innovation Comfort Zones
 - The Innovation Corporation
- Moving towards Iterative Innovation
 - Building Corporate Innovation Capabilities
 - Building Regional Innovation Ecosystems
 - Next Steps



Where we come from...



Timeline of Executing on Iterative Innovation





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Introduction to the Iterative Innovation Process



What is Innovation?

- <u>Not</u> just invention, not just science
- <u>Not</u> entrepreneurship
- "Useful embodiments of ideas in the marketplace" (as going concern)
- Basic human process that delivers value in the market place
- Driver growth long-term growth
- Innovation efficiency ≠ operational efficiency

Focus on process that makes the tree grow Do not only focus on necessary but insufficient nutrients: soil, water, sun



The Basic Elements of Innovation



Apple iPod

Uncertainty introduced simultaneously in Market, Implementation and Technology
Example of a medium scale innovation:



- > changing the business model of the music industry was key
- for changing human behavior around portable music,
- which could only be achieved with changed Technology.

Flexible Boundaries Needed for M-I-T



The Innovation Process



What not to do: University 'Innovation'





Previous Basic Research Corporate Laboratories



Features of the Innovation Process

- It is a societal activity
- It is a *Process*
- M-I-T groupings- not just technology, not just market
- Iteration
- Necessity and Management of Uncertainty (opportunity vs. risk)
- Non-linear
- Incremental and Fundamental Innovation Unification
- Real-world interactions (transactional experiences) are required to narrow uncertainty



Corporate Implementation and Governance



Operational vs. Innovation Efficiency



Operational vs. Innovation Comfort Zones



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The Innovation Corporation



Moving towards Iterative Innovation



Building Corporate Innovation Capabilities



Building Regional Innovation Ecosystems (MTY)



Next Steps

If you are interested in

- > building iterative innovation capabilities in your corporation and/or
- > building a Medellin / Colombia innovation ecosystem and
- can have an in-depth discussion during the week of Oct 11th Oct 15th

then email us at

- Klaus Schleicher: <u>klaus rs@mit.edu</u>
- Andreas Wankerl: <u>awankerl@mit.edu</u>

before Wednesday, September 1st

Given enough interest, we will visit you in your company / institution during the week of Oct 11th – Oct 15th