

InnovWiki: A New Paradigm for Online Collaboration

Empowering Innovation Through Virtual Markets

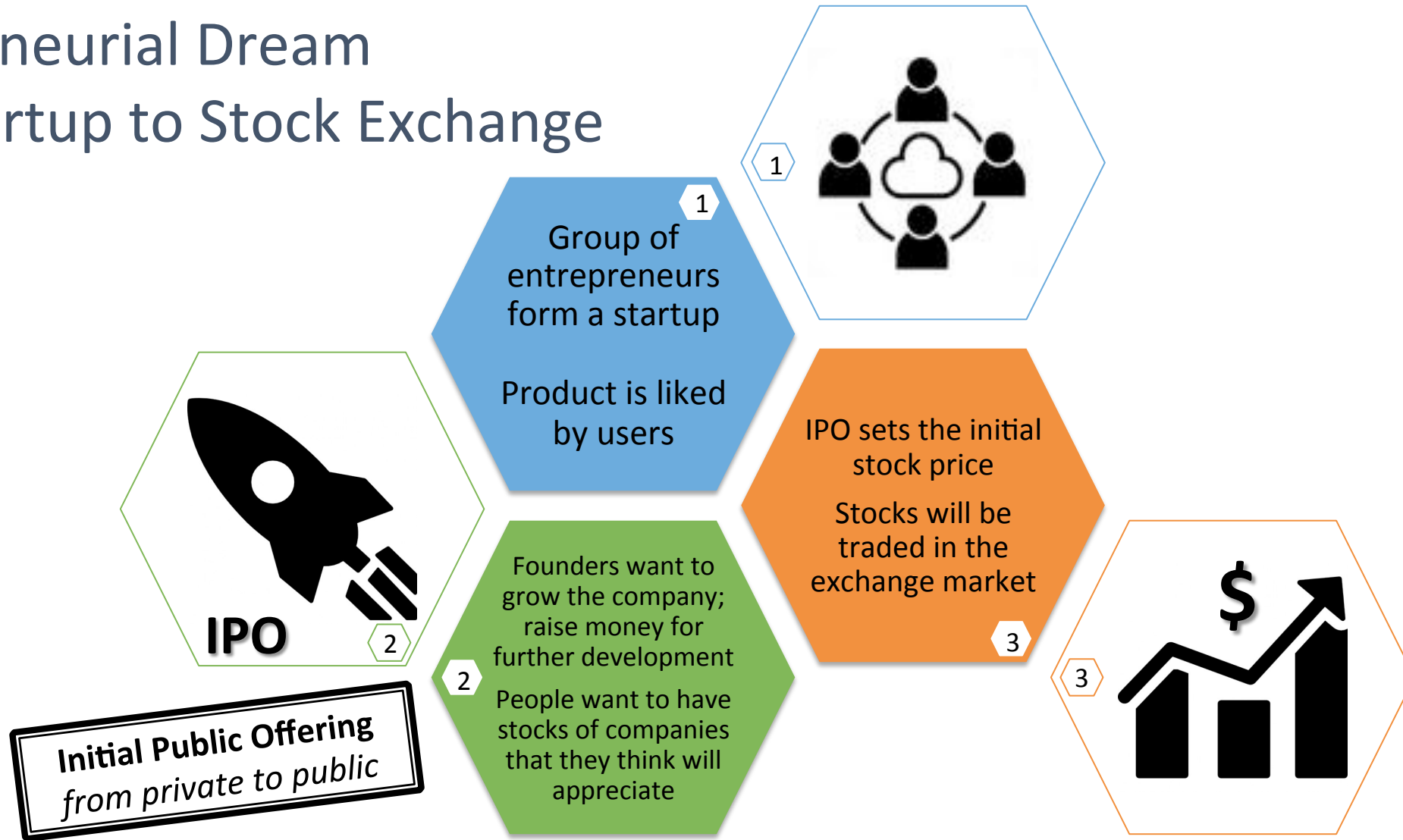
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Chair of Entrepreneurial Risks

Department of Management, Technology and Economics

ETH Zürich, Switzerland

Entrepreneurial Dream From Startup to Stock Exchange

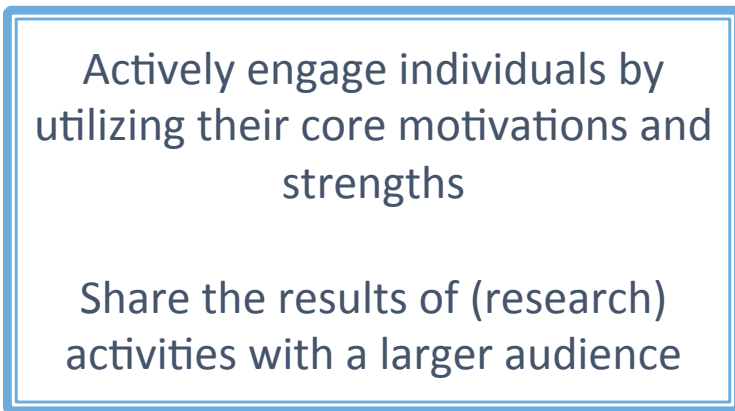


We mimic the entrepreneurial world + more ...

- Our goal is to empower people with the tools to innovate and collaborate with peers, colleagues and community
- 3 core elements - to be utilized *independently or together*



Collaborate & develop projects, in & between organizations



+



- Exchange or Prediction Market
- Belief Elicitation
- IPO for ideation



+



Use state-of-the-art tools to produce & integrate scientific results

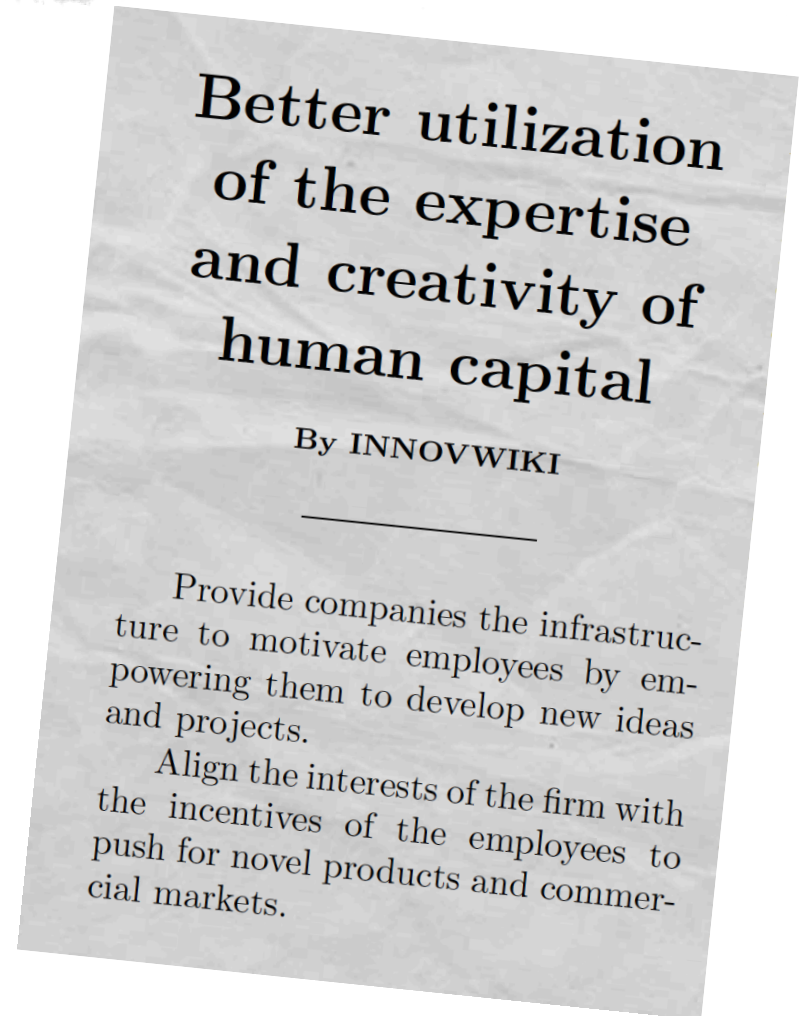
Why InnovWiki?

CREATE AN ATMOSPHERE OF ENTREPRENEURSHIP:
COLLABORATION + COMPETITION



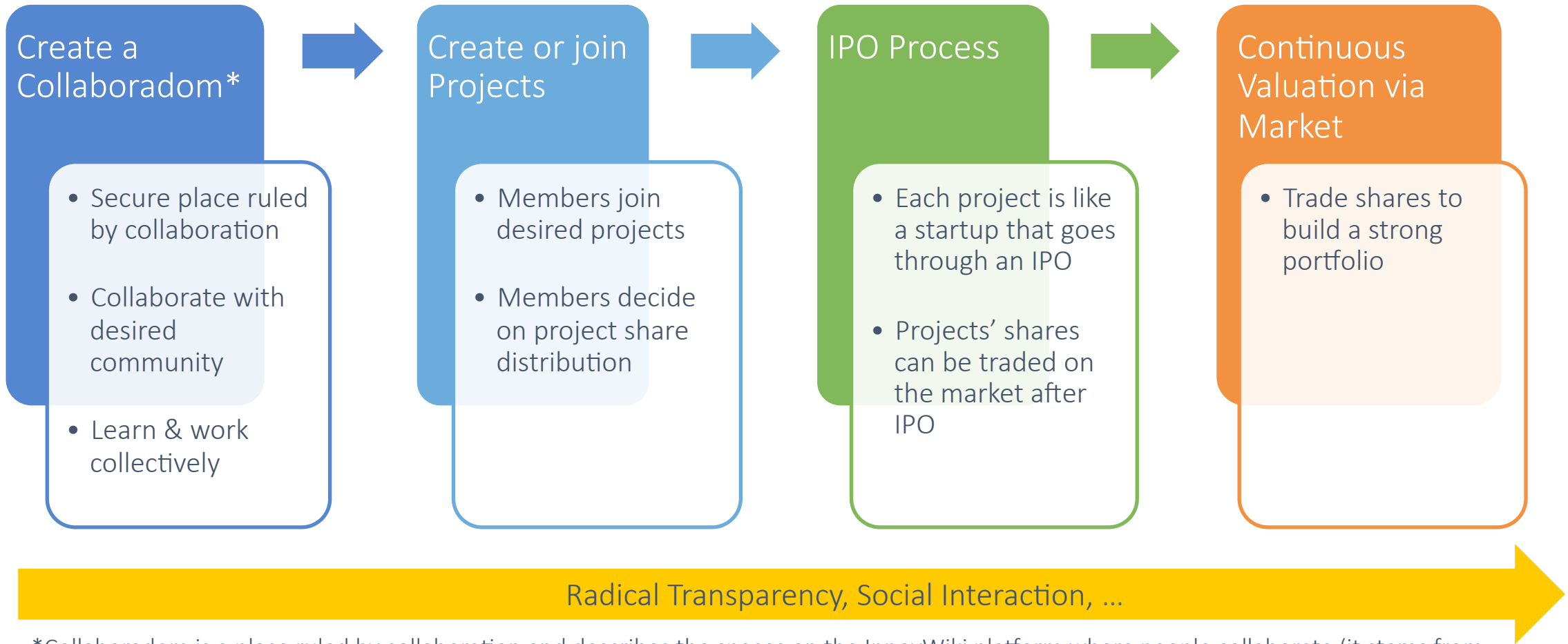
Assessing Values of Ideas / Projects

Take advantage of the “wisdom of the crowd” to reveal valuable information possessed by participants and transcend it via self-organizes emergence of consensus even in the presence of structural uncertainty.



How does it work?

Have fun doing things together!



*Colloradom is a place ruled by collaboration and describes the spaces on the InnovWiki platform where people collaborate (it stems from the noun "collaboration" and the suffix "dom").

Welcome to InnovWiki!

LOGIN

REGISTER

<https://innovwiki.ethz.ch>

INNOVWIKI Platform Showcase

When will I finish this presentation?

You can use the InnovWiki prediction market to predict the outcome of any event.

Let's say you would each get:

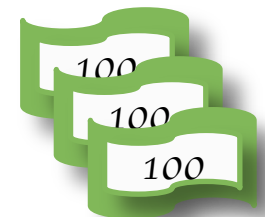
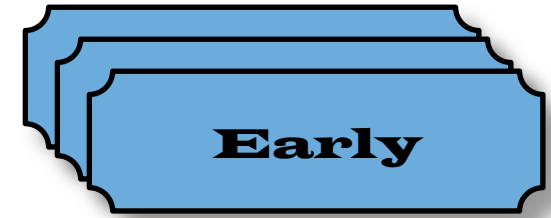
3 tickets for any of the outcomes related to how I would finish my talk + 300 virtual dollars.

IF I finish this presentation on-time, "on-Time" tickets would each be worth 100 virtual dollars.

All other tickets (early and late) would be worth ZERO.

You could trade your tickets with the other people in this room (collaboradom).

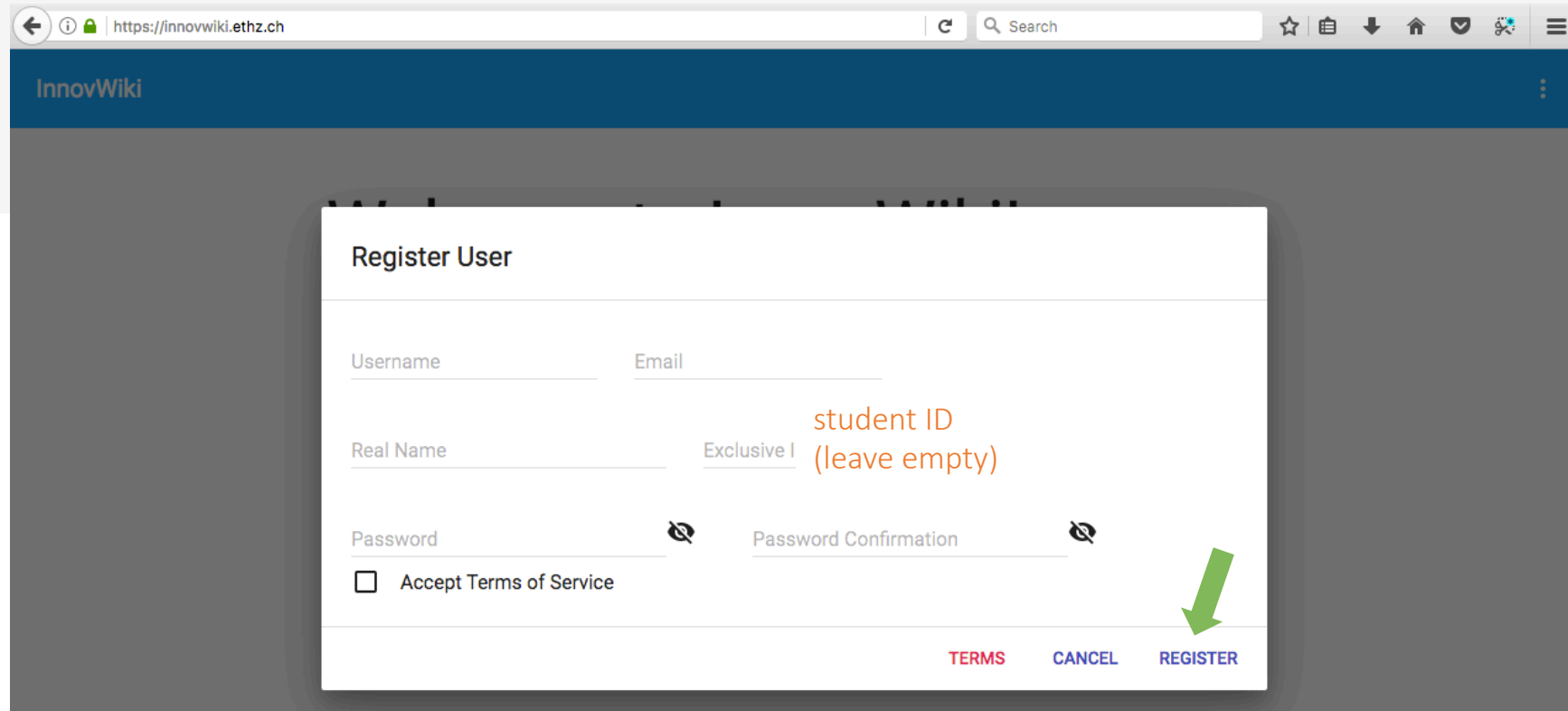
The person who accumulates the most ADDITIONAL WINNING TICKETS (other than the initial 3) and ADDITIONAL VIRTUAL CURRENCY (other than the initial 300 virtual dollars), would win a box of Swiss chocolates 😊



Welcome to InnovWiki!



1. Register Account



2. Confirm your account through an email link that is sent to the provided email address.

3. Log in with your username and password

4. Join the "GBSN2017" Collaboradom using the code:

GBSN2017



GBSN2017

Please enter a valid registration code if you would like to join this collaboradom. Alternatively, you can send a request to join to the administrators of this collaboradom.

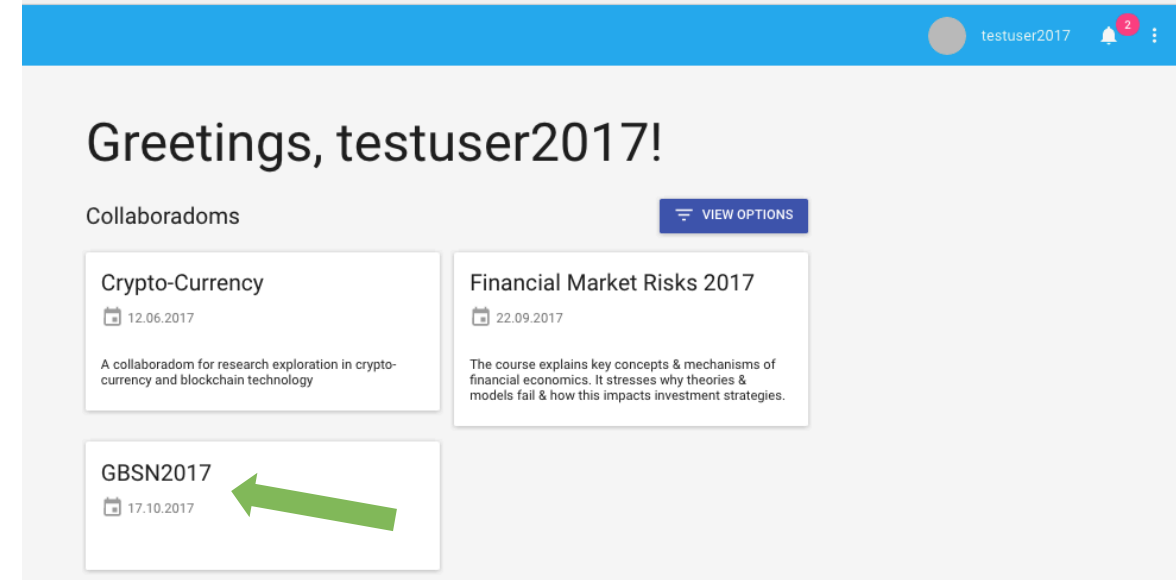
Registration Code(s)

GBSN2017

GBSN2017

[JOIN COLLABORADOM](#) [REQUEST TO JOIN](#)

[Back to all collaboradoms](#)



GBSN2017 < InnovWiki testuser2017

GBSN2017 - GBSN Exchange

17.10.2017 17:16:41 \$ IWF 300.00 (300.00)

GBSN Exchange

Stock Prices

Price/share (IWF)

0

EARLY LATE ONTIME

Highcharts.com

Stocks

Search

E	EARLY Early	0.00	N/A
L	LATE Late	0.00	N/A
O	ONTIME OnTime	0.00	N/A

Choose any stock to trade

GBSN2017 <

InnovWiki testuser2017

GBSN2017 - GBSN Exchange - ONTIME - Stocks

17.10.2017 17:20:28 \$ IWF 300.00 (290.00)

OnTime (ONTIME)

0.00

Order Book

Trading period: Continuous Trading

User	Bid Size	Bid		Ask	Ask Size	User
testuser100 (you)	1.00	10.00	⊗			

Place Order

Buy Order
 Sell Order
 Limit Order
 Market Order

Number of shares: 1

Price per share: 0

PLACE ORDER

Stocks









Search

- E** EARLY Early 0.00 N/A
- L** LATE Late 0.00 N/A
- O** ONTIME OnTime 0.00 N/A

- Home
- Overview
- GBSN Exchange
- Members
- Leave Collaboradom

You could use InnovWiki and create prediction markets to predict the outcome of any event such as:

what would be the price of S&P 500 next Monday at 5:00PM?

-  Home
-  Overview
-  Projects
-  ER Exchange Market
-  Members
-  Admin
-  Settings
-  Leave Collaboradom



Course Material

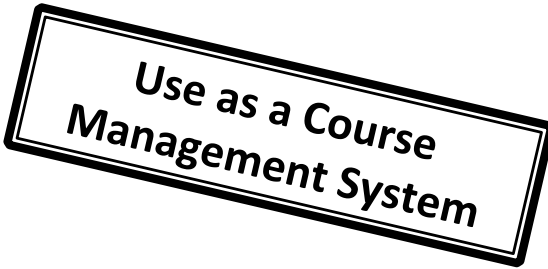
Important: Citation etiquette (How to handle the intellectual property of others)

[InnovWiki operating manual](#)

[InnovWiki primer 1.0](#)

Lecture 1: Risks in the Economic, Entrepreneurial and Social Spheres

1. Presentation of the Chair of Entrepreneurial Risks and the course
2. InnovWiki
3. Entrepreneurship
4. Risks
5. Global context for entrepreneurship: the big problems
6. Scenarios for the future



Additional reading

- Stanley Kaplan and B. John Garrick, On The Quantitative Definition of Risk, Risk Analysis 1(1), 11-27 (1981).
- Victor Ricciardi, A Risk Perception Primer: A Narrative Research Review of the Risk Perception Literature in Behavioral Accounting and Behavioral Finance
- Mark Casson, Entrepreneurship and the theory of the firm, Journal of Economic Behavior and Organization 58, 327-348 (2005)
- Global Risks 2017, World Economic Forum

Recording of the lecture: User: sor-17s Password: V72GtrM

Lecture 2: The Logistic Equation of Growth and Saturation

1. Part I: The logistic equation: Growth and saturation in an environment with competition for limited resources;
2. Interlude: Chaos theory: Introduction to chaos and its properties
3. Part II: The diffusion of innovation: A game of personal preference versus social trend;
4. Part III: Case study: The valuation of the company Facebook before the IPO and other social network firms

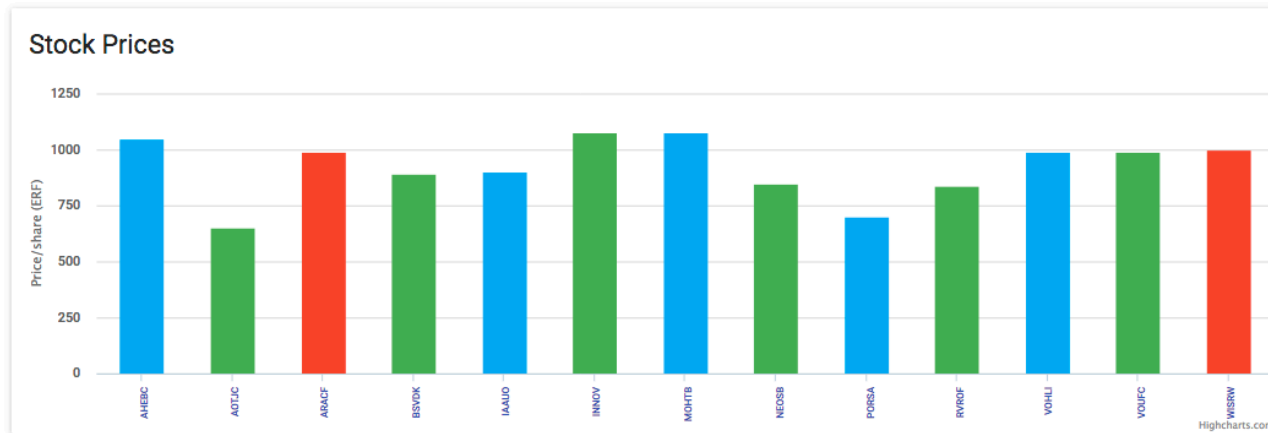
Additional reading

Collaboradom Discussions

ADD TOPIC

Search

ER Exchange Market



Recent Trades	
INNOV	20 minutes ago Marisa Dowling ⇄ Costea 1 shares @ ERF 1'080.00 / share
BSVDK	21 minutes ago Marisa Dowling ⇄ Amir Mikail 2 shares @ ERF 890.00 / share
ARACF	28 minutes ago Geetha ⇄ Maximilian Stölzle 0.5 shares @ ERF 990.00 / share
PORSA	32 minutes ago Maximilian Stölzle ⇄ Francesco Ducci 0.5 shares @ ERF 700.00 / share
PORSA	32 minutes ago Maximilian Stölzle ⇄ Francesco Ducci 0.5 shares @ ERF 700.00 / share
VOUFC	34 minutes ago Maximilian Stölzle ⇄ Sahar Ayvaz 0.2 shares @ ERF 990.00 / share
INNOV	35 minutes ago Michael Luetolf ⇄ Tim Grunow 0.5 shares @ ERF 1'079.00 / share
INNOV	35 minutes ago Michael Luetolf ⇄ Tim Grunow 0.5 shares @ ERF 1'079.00 / share
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Use Market to Evaluate Ideas (Projects)

Who can benefit from InnovWiki?

Exchange and prediction markets provide off-the-shelves tools to extract the **wisdom of the crowd** (e.g. research on *experimental economics, consumer behaviors, ...*)



Education Systems

- Course management system
- Ease collaboration on projects, and evaluate them using the market
- Transparent access to performance

Scientific Communities

- Enhance participation and teamwork on research projects
- Provide ideal infrastructures to collect, share and improve knowledge development on a particular subject

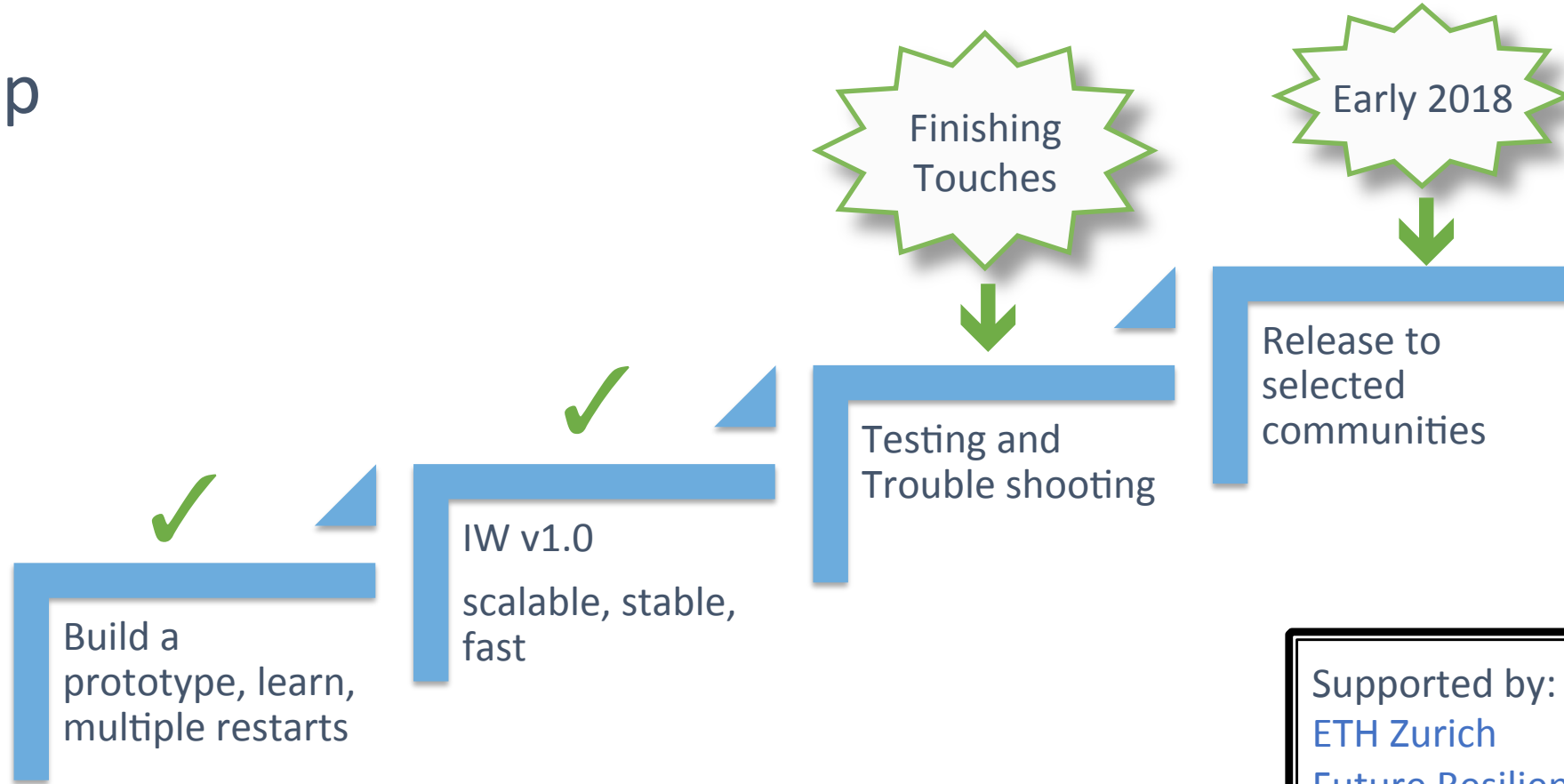
Established Businesses

- Create secure collaboration pages for each company
- Collect employees' ideas bottom-up and develop internal projects to better utilize the human capital
- Identify talents and ideas for entrepreneurship and evaluate these ideas using the embedded market

Policy Makers, Hobbyist, & the Curious


- Create pages about own ideas and collaborate with circle of friends/ desired communities
- Receive feedback from invited critics
- Decide on the level of visibility of projects
- Join other collaboradoms and contribute own ideas
- Evaluate ideas using the built in market

Road Map



ETH zürich
innov@dum

Awarded for developing an innovative teaching platform (2012)

 KITE Award Nominated for innovative teaching at ETH Zurich (2015)

Supported by:
ETH Zurich
Future Resilient Systems
(Singapore-ETH Center)

Contact: Dorsa Sanadgol
dsanadgol@ethz.ch

Tools + Projects

