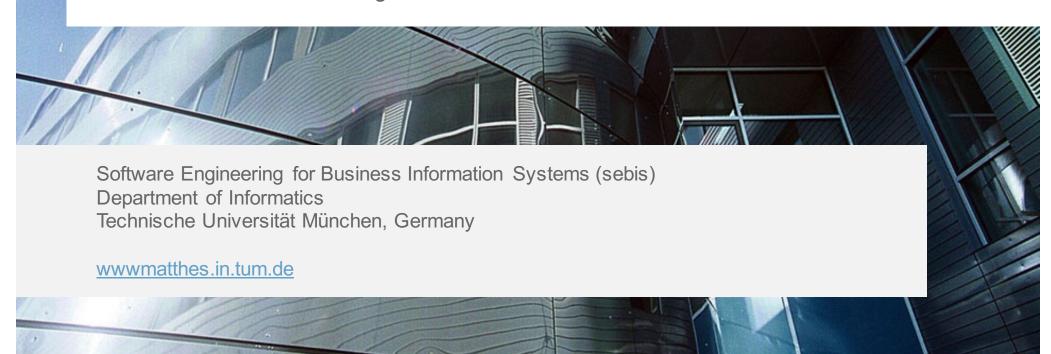


# An Empirical Study on Entrepreneurial Networks from an Adaptive Case Management Perspective

Master Thesis – Pascal Stegmann



### Motivation





Brutkasten für Bahnthemen

### DB Lab: Deutsche Bahn plant ein Innovationslabor

#### Wie Siemens seine Mitarbeiter zu Gründern machen will

Caspar Tobias Schlenk am 30. November 2015 | 4 Kommentare

Empfehlen 243 Tweet 7 Share 6 in Share 34 G+1 6

Newsartikel. Mit einer "Firma in der Firma" will Siemens seine Mitarbeiter zu Gründern machen. Die Innovation soll abseits der verkrusteten Konzernstrukturen gedeihen.

Innovation Labs

#### Deutsche Bank will jährlich 500 Startup-Ideen testen

Christina Kyriasoglou am 5. Juni 2015 | 5 Kommentare

Newsartikel. Die Deutsche Bank plant, sich mit neuen Technologien weiter zu entwickeln. Wie? Das sollen nun drei neue Innovationszentren gemeinsam mit Startups erarbeiten.





Source: deutsche-startups.de, gruenderszene.de



Brutkasten-Übersicht

#### 25 Accelerator-Programme, die jeder kennen sollte

Es gibt immer mehr Accelerator-Programm. Für Gründerinnen und Gründer ist diese Entwicklung begrüßenswert, denn nie gab es mehr Auswahl, nie gab es mehr spannende Unternehmen und Initiativen, die ihre Türen für Start-ups geöffnet haben.

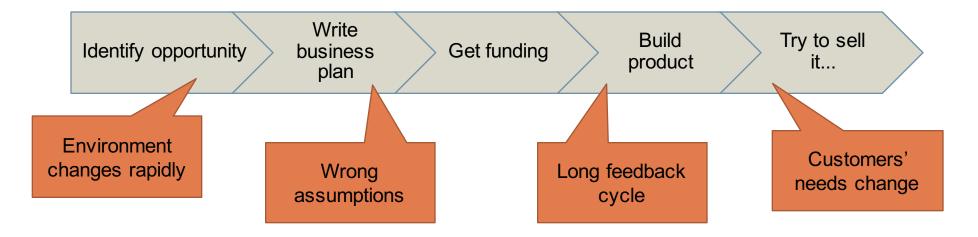


Past

Identify opportunity	Write business	$\rightarrow$	Get funding	Build product	Try to sell it	
	plan			product	14	

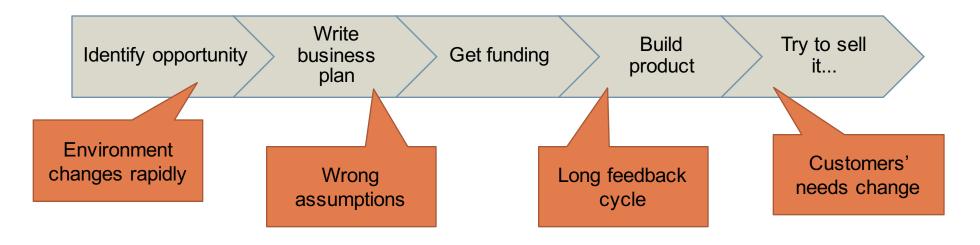


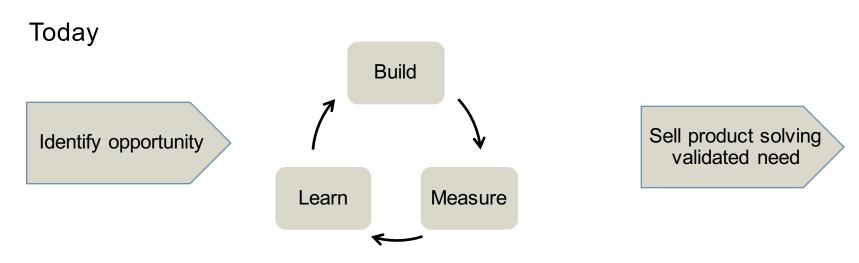
#### Past





#### Past

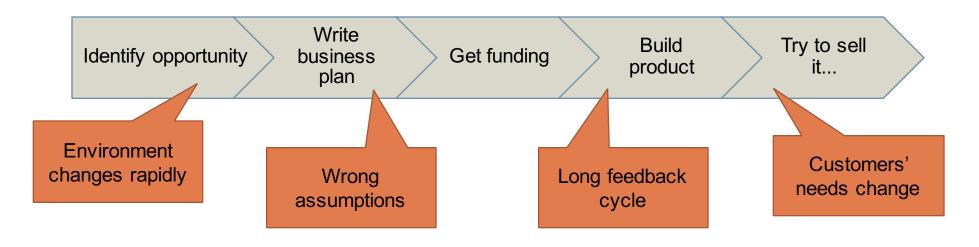


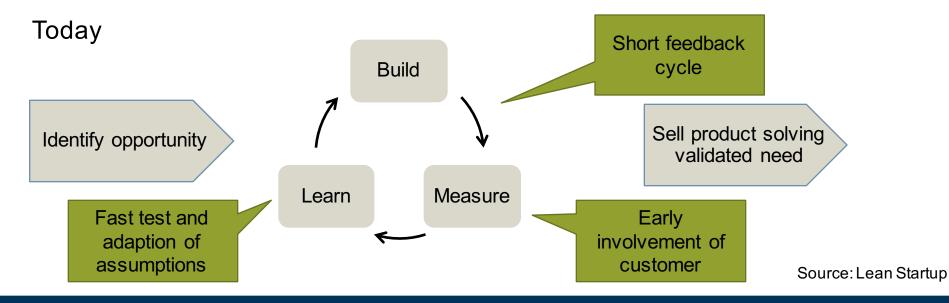


Source: Lean Startup



#### Past

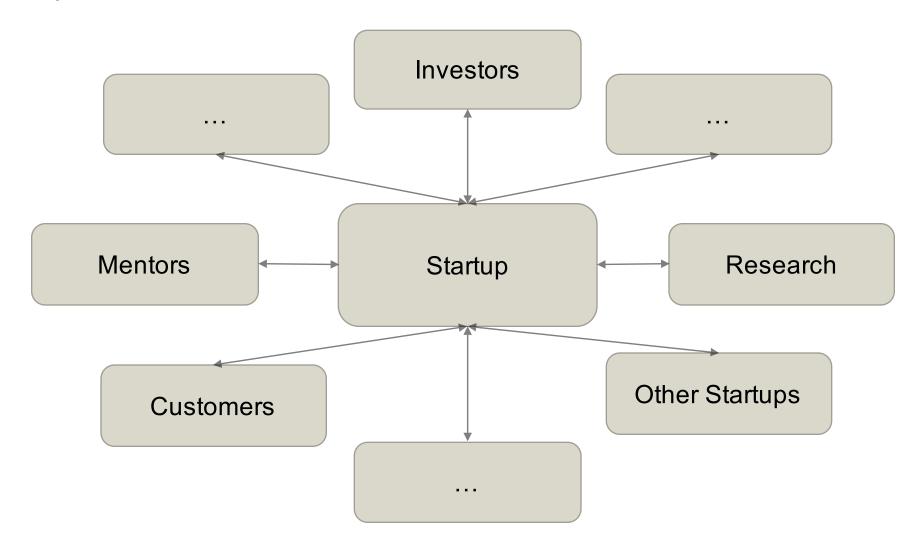




## Start-ups interact with many different stakeholders



#### Entrepreneurial network

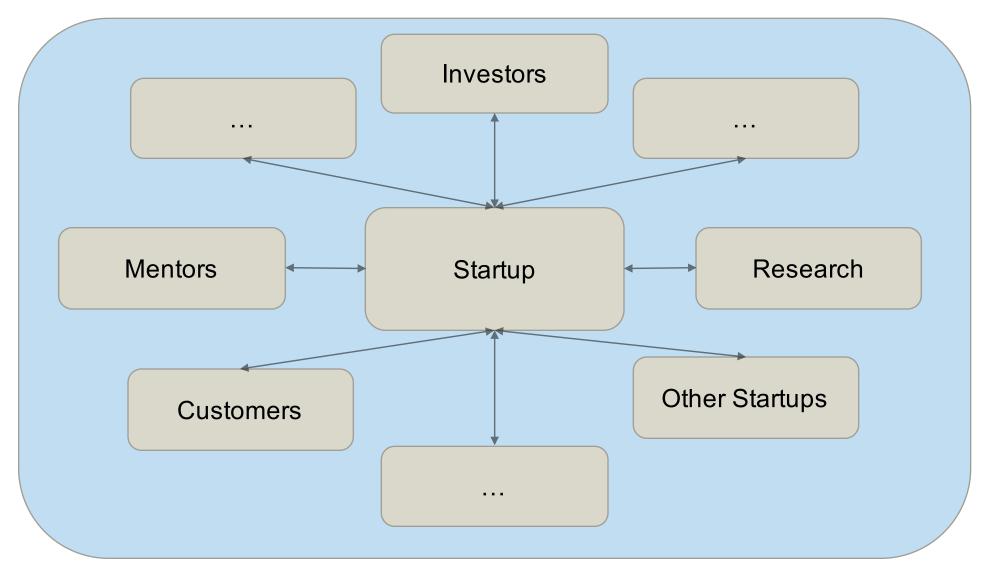


## Vision for InCoBate

## Collaborative Platform for Entrepreneurial Networks



#### InCoBate - Platform





Approaches to managing work



Spectrum of work



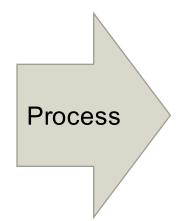
#### Approaches to managing work

Routine work

Knowledge work

#### **BPM**

- Structured, predictable work
- **Process-oriented**
- Design and implementation
- Top-down
- Fixed processes





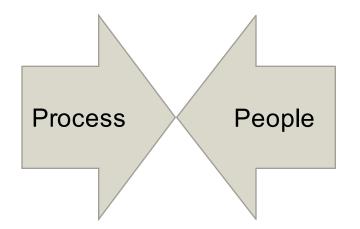
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Knowledge work

#### **ACM**

- Unstructured, unpredictable work
- Goal-oriented
- Empowerment of user
- Bottom-up
- Adaptive, Emergent processes



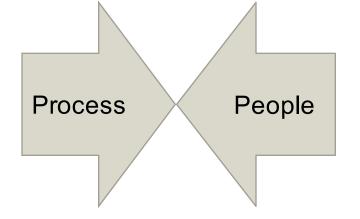
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Knowledge work

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Promising approach for entrepreneurial work?

## Research approach



#### **Research Questions**

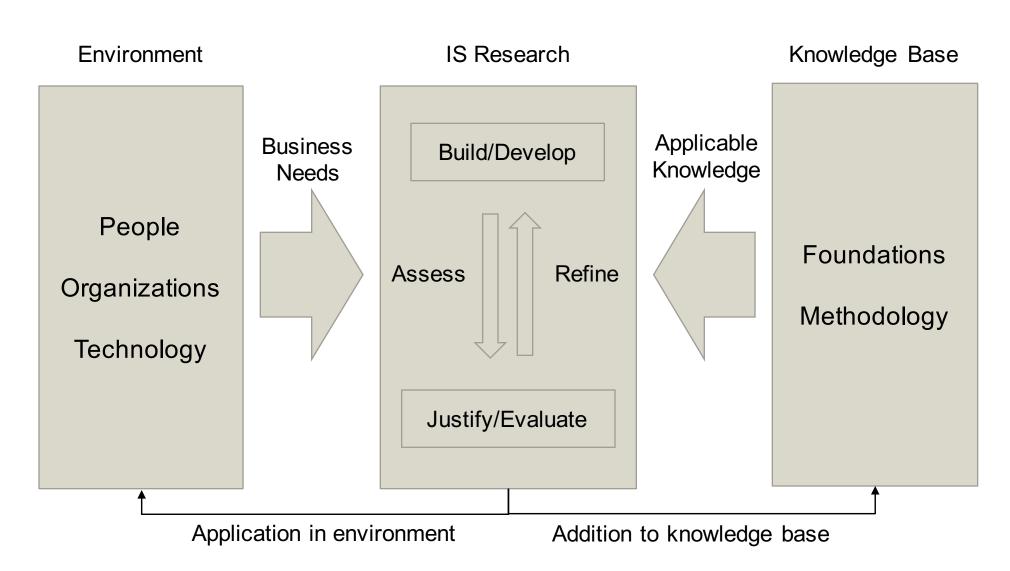
- 1) How do entrepreneurial networks work in the early phases? Focus on systems perspective (i.e. stakeholders, concerns, relationships, etc.)
- 2) What are patterns and challenges relevant for software support?
- 3) What guidelines can be derived for software support of entrepreneurial networks?

#### Methodology

- Exploratory and qualitative approach: Conduct semi-structured interviews
- Literature research

## Research approach: Design Science

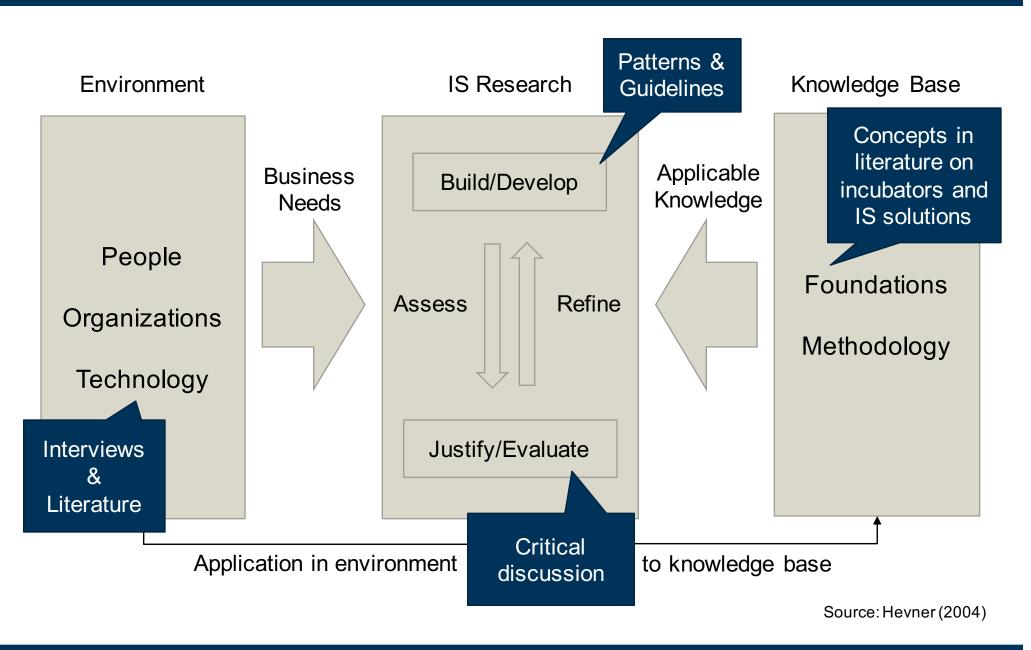




Source: Hevner (2004)

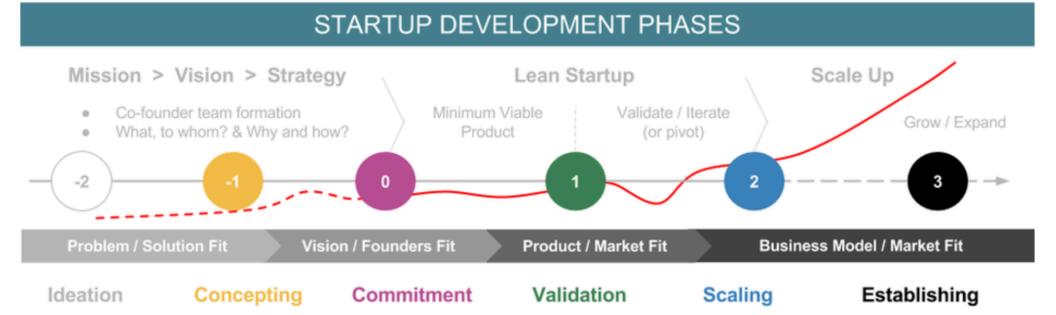
## Research approach: Design Science





## How to pick the right interview partners?





Source: startupcommons.org

## Focus on proxy organizations for interviews







Problem / Solution Fit

Vision / Founders Fit

Product / Market Fit

**Business Model / Market Fit** 

Ideation Concepting Commitment

Validation

Scaling

**Establishing** 

#### Incubators

#### **Company Builders**

#### Accelerators

Focus on these organizations

- Proxy for startups
- Companies in similar phases
- Structured approach to entrepreneurial process

Venture Capital

Source: startupcommons.org

## Current state - Interview partners



Organization	Туре	Age
ESA Business Incubation Center	Incubator	1-5 years
Allianz Digital Accelerator	Incubator/Innovation Lab	1-5 years
LMU Entrepreneurship Center	Incubator	>5 years
Hanse Ventures	Company Builder	>5 years
Media Lab Bayern	Accelerator/Incubator	<1 year
TechFounders	Accelerator	<1 year
Accelerate Stuttgart	Accelerator	<1 year
Holtzbrinck Digital	Venture Capital	>5 years

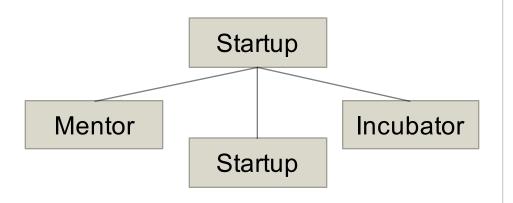
#### Variety in...

- Age and experience
- Objectives
- Types and industry focus
- Approaches to incubation

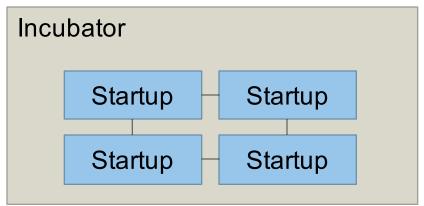
## Current state – Preliminary Findings



1. Important relationships



2. Incubator as community of practice



3. Importance of personal communication

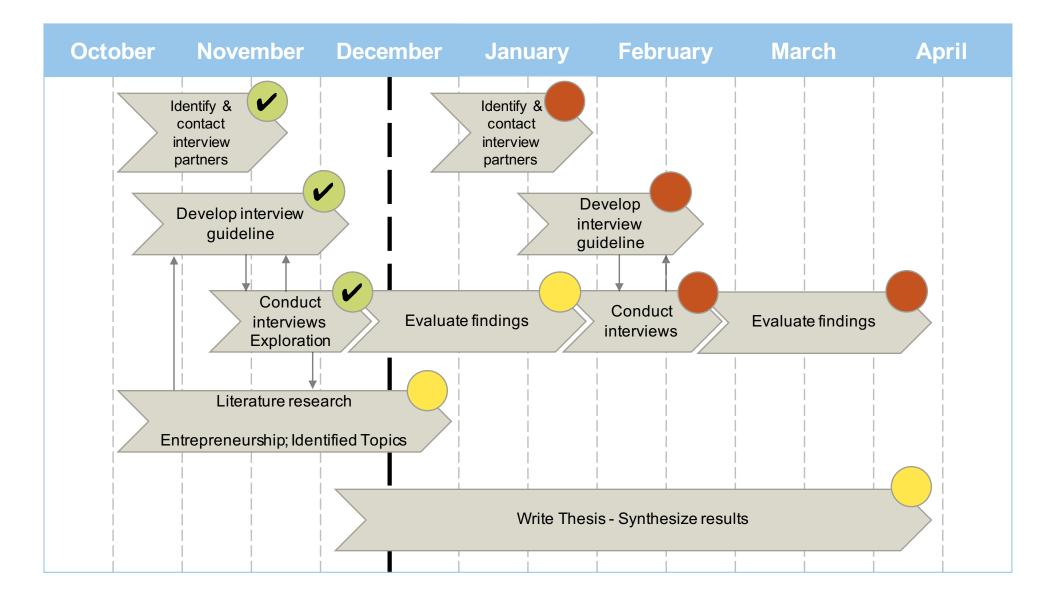


4. Variance in used methodology/tools



## Timeline







## Thank you! Questions?

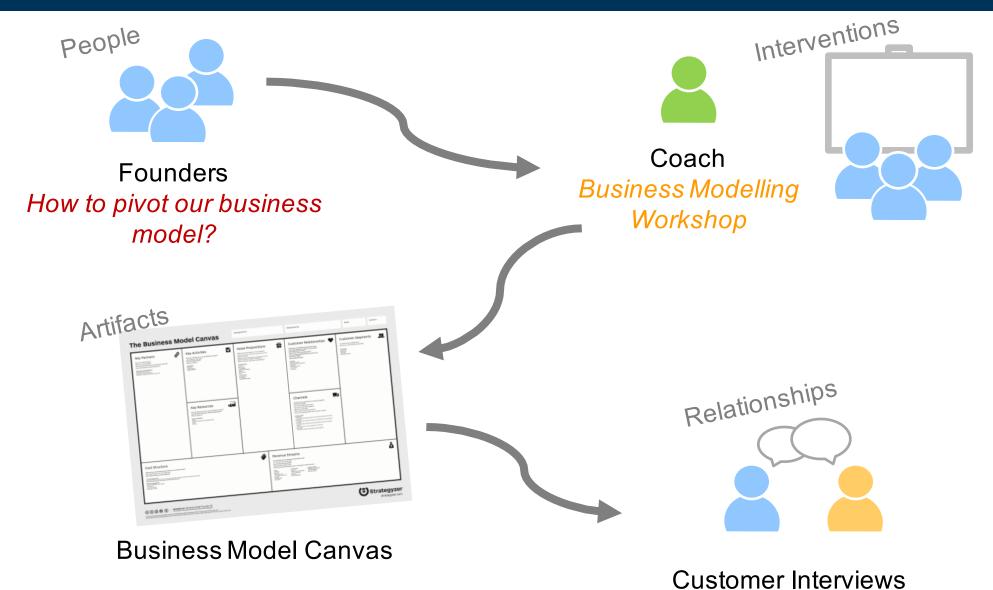


## Backup

## A typical intervention

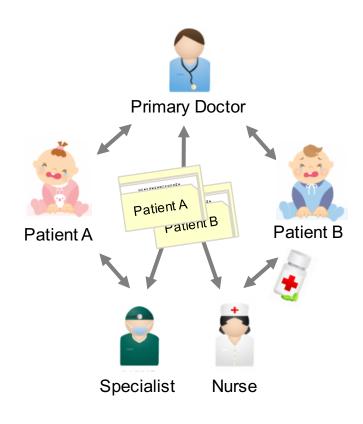
## Pivoting a business model



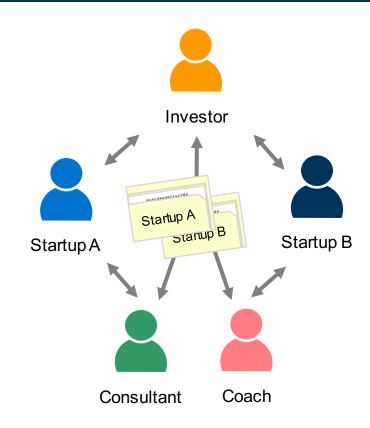


## Analogies between Entrepreneurship and Medical Care





Health
Symptom
Illness
Medication



Success

KPI

Issue

Intervention

Icons: DaPinoGraphics(.com)

## Startup Health Record

### Example



#### Name

#### **ABC Services**

#### **Members**









#### **KPIs Q3/2015**

Customers 6

Conversion Rate 3%

Customer Lifetime Value

Customer Acquisition Costs **160 EUR** 



#### **Documents**



Business Plan.doc



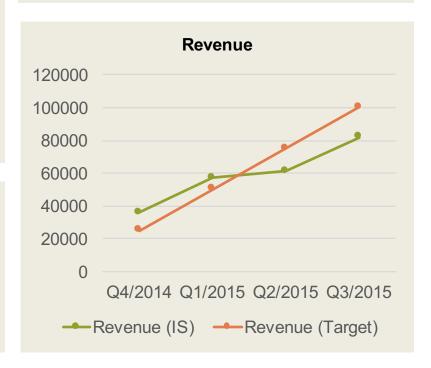
Financials.xls

#### **Recent Activity**

18.09.2015 Pitch to customer XYZ

07.09.2015 <u>Design Thinking workshop Product</u>

26.08.2015 Due Dilligence Meeting A Capital



#### **Recent Challenges**

19.09.2015 How to decrease our burn rate?

## What if there was a Startup Health Record?





The Coach could look at previous interventions and existing artefacts to prepare the workshop



Coach ness Modellin

Workshop



Founders
How to pivot our business
model?



The team could easily analyze
the evolution of their
business development and
efficacy of past interventions

**Business Model Canvas** 

Associated data can finally be analyzed appropriately in one place



The **social network** can be leveraged more effectively

r Interviews

## **Project Vision**

### **Technical Platform**





Startup A



Startup B



Investor

Persona Creation App Ideation App Introduction App

Business Modelling Canvas App Dashboard App

#### InCoBate Platform

Authentication, User Management, Analytics, Storage, Messaging, ...







## **Project Vision**

## A Collaborative Platform for Entrepreneurship Networks





Customers

Service

Providers/

**Suppliers** 

**Investors** 

- Venture Capital Funds
- Business Angels
- Incubators
- Accelerators



**Startups** 



**Tele**Clinic

Research















etc.



# Project Vision Value Propositions



Investors	<ul> <li>Up-to-date Reporting of Key Metrics</li> <li>Portfolio dashboard</li> </ul>
Startups	<ul> <li>Self-monitoring</li> <li>Re-use of information</li> <li>Access to domain experts</li> <li>Access to vertical apps for particular problems (e.g. ideation)</li> <li>Networking</li> </ul>
Service Providers	<ul> <li>Single point of truth</li> <li>Re-use of information</li> <li>Insights into the history of the project</li> </ul>
Research	<ul> <li>Identification of (anti-)patterns for collaboration in entrepreneurship projects</li> </ul>