



What	10 week program of ideation and validation of sustainable business models
Who	Since 2016, 150 students, 1 high-tech company Background: mainly bachelor & business Nationality: 54% Dutch, 23% Belgian, 23% other Gender: 41% male, 59% female; age 21.5 yrs.
iat's new	Learning community, co-opetition, research-based
Dutput	29 new business models
tainability	Waste reduction, reduction of raw materials, climate change, health, biodiversity
scaling	Possible and desired: mainly virtual and team initiative





Program concept



Aims

- 1. Sustainability in practice
- 2. Learning community on International Entrepreneurship
- 3. Co-creation between industry and academia
- 4. Personality & performance research

Criteria

- 1. Novel
- 2. Economic Feasible
- 3. Technical Viable, FF technology
- 4. Sustainable



















Experiences of green venturing projects

10:20 - 10:40

Sey learnings (Klaus Fichter)

⊌ Approaches and tools (Olof Hjelm)



Master module "Eco-Venturing"

- > Offered since 2009 at the University of Oldenburg, Germany
- > Open to students from different master programmes
- > Part of the "Eco-Entrepreneurship" major study course
- Students develop sustainability-oriented business concepts in cooperation with business partners (time frame 5 months)
- > Promoting actual business start-ups or starting new business units
- > Develop entrepreneurial skills for development and implementation of environmental innovations and sustainable business ideas
- > 170 students attended and 50 green business projects since 2009





Some learnings from the evaluation in the S4S project Scale-Outcomes Sustainabil > Students enjoy hands-on start-up experience and real world learning with business partners > They get sensitized for the option to start new venture and what it feels to be an entrepreneur Guidelines for the evaluation of collaborative student-business venturing > They learn how develop business ideas with the aim and consideration of sustainability activities > Some students ioin the venture after the module > We accelerate promising green venture ideas Challenges > Workload for students is higher than in other modules, too high in relation to 6 credit points > Good mix of students with different disciplinary backgrounds is difficult to get > Scaling up is difficult: our teaching capacity is limited to 1 module per year and 15 to 20 students CAR VON OSSIETZKI universität





Learnings of business partner CEWE, Oldenburg, Germany





Responsible:

Daniel Schimpf Managing Director Cheerz,



Innovation Manager



Sylvia Vespermann Project Manager Environment

Karten

cewe



6

A multitude of tools and approaches

>Different purposes of tools and approaches

>Different phases of innovation and entrepreneurship

> Ideation, early visualization, prototyping, business model development, company formation etc.

>Facilitation of collaboration

>General tools and approaches versus sustainability focused.

Early visualization

Shitty prototyping





Database of tools and approaches for collaborative green venturing

>**Purpose of database:** to collect approaches and tools for collaborative green venturing which can be used to get inspiration and concrete advice in developing modules, events, activities.

>https://www.scaleup4sustainability.eu/database/

>70 tools and approaches compiled from:

- > workshops with HEIs in the project,
- $\succ\,$ workshop with Swedish HEIs teaching sustainable entrepreneurship.



Artion band barring Month of particular strains Image: Strains	Artices band barring April 1 Main and a starring Appil 2 Main and appil 2 Main a	Name 4P	Cassification	Purpose The lase Pool marketing are lary factors that are involved in the	Sustainability dimension	Specific sustainability descenion	Collaborative dimension Anali dut on la cont in student Institut collaboration	Phase of estropresearchip Conception	Manual (including possible links)	References no Neuroinn V. Eter An Ion. CORE Productors Victorian and an
Marine function Water Marine function	Allesse game April Mark			marketing of a good or cervice. They include product, prior, place, and promotion. The effect areas and its particu- marketing objectives in the target						straking Kiti M.M.
Not Carity Test Test <td>Name Name <th< td=""><td>Action based learning</td><td>Aggroach</td><td>International sectors and an and a sector a sector and a sector a sector a sector a sector and a sector and a sector and a sector and a sector a sector and a sector a sector</td><td>4mm</td><td></td><td>Susines collaboration</td><td></td><td>ant a sela fa</td><td></td></th<></td>	Name Name <th< td=""><td>Action based learning</td><td>Aggroach</td><td>International sectors and an and a sector a sector and a sector a sector a sector a sector and a sector and a sector and a sector and a sector a sector and a sector a sector</td><td>4mm</td><td></td><td>Susines collaboration</td><td></td><td>ant a sela fa</td><td></td></th<>	Action based learning	Aggroach	International sectors and an and a sector a sector and a sector a sector a sector a sector and a sector and a sector and a sector and a sector a sector and a sector	4mm		Susines collaboration		ant a sela fa	
Bits Cuting No. American Support and the section of t	Bits Learning No. and main releging and main and pupped and	Alliance game	Approach	Table 10			student inclusion self-densities			
Particular Strategie Particula	Particular Integration 2000 AD Image: Source of the sour			state with Enforce admiratile follow and free works balances to identify policies adjugances that all control that specified because the present.		santanah ta fahra ana anting halimah ta fahra ana ahali daga al adam ta fahra ahalim ti a satgaal	lan inne safigioration			Necessiti for analysis planting, strengther block have and second and strengther block and the second line of the second second second second second line of the second second second second second line second second second second second second second second second second second second line second second second second second second line second second second second second second line second second second second second second lines in the second second second second second second second lines in the second second lines in the second
PARCENT INVOIR CLATURE (11) PARCENT INVOIR C	Backet Model (Lerize)	Sustainability Innovation		current offices of interaction has obtained and therefortherappe fixed based on final stages of curramshifty encounteen industry. They then excent except fouriers candidations to industrial monteevenential control and/or reconverse curramshifty expends only fouriers fouriers exceeded.		Int, and the businessity transation astantion are available based, delating specially to dealing concard use proble	burnes cifeboscos			Marcol and Marcolan March Stream State (Stream Stream) in control (Stream) (Stream) (Stream) (Stream) (Stream) (Stream) (Stream) (Stream) (Stream) Research (Stream) (Stream) (Stream) (Stream) (Stream) Research (Stream) (Stream) (Stream) (Stream) (Stream) (Stream) Research (Stream) (Strea
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	Non-setting of the set	Business Model Canvas	Tool	management and hear diatrup benglate for developing memor documenting moting become reader. It is a valuat which all halowaris developing artimits in available of solar analysisg.			Manif dui san lon yand in siyaleni Destanas caffilioniton	klandfluetion of opportunity & Capturing when	lich in invalide	Normalies 6, 6 (Reprint), (2015) Instrument parenties, interdispiles de extendence, prese deug précladingen, alle Mingla Jan.
C presentar interest intergences inter	C Destination of the second secon		Aggroach	d'butings mobilineauther. Technologicative and engenisationally ormital innovations.		Increase model architecture and	Pudet bulkes off-docidor			Testerard and/o tester to both a holocal balance Bodd Astronom, based of Dance Instanton, 61, 42141
			1	UI Incolment maskels that apply to 90%. of the most scatterally is amparited conditionly.	2 mmh		Aland that can be used in student tractmax collaboration	Mentification of opportunity & Capituring when	link in wells for	house their targer 12 was been all
A stat: 56 🗄 🔟 🖳 + 60	And 55 📃 🔟 🗁 + 60	() Fransvork Del	abase +							
									Anial 55 🗄 🔟 🖭	+ 00



Main categorization dime	nsions
> Name	> Collaborative dimension
> Classification	> Phase of entrepreneurship
> Purpose	> Manual
 Sustainability dimension 	> References
 Specific sustainability dimension 	sion



Workshop program

۲

10:40 – 10:45 **Coffee break**

- 10:45 11:30 Exchange of experiences in sub groups virtual 'break out' rooms
 - 1. experience
 - 2. success factors and barriers
 - 3. challenges or drivers to upscale
 - 4. ideas on new approaches

11:30 - 11:50 **<u>Reporting of the subgroups - plenary discussion - wrap up</u>**

Plenary discussion

11:30 - 11:50

Summaries per breakout room (3 x 5") General conclusion