

Zukunftslabor CreaLab

Annual Report 2018

Strategy Days in Niederrickenbach

On 1 September, Jens O. Meissner took over the management of the Creative Living Lab CreaLab from Patricia Wolf. Before this change, the CreaLab team took a short strategy break to rethink. The two days at the Niederrickenbach powerhouse gave the four new „CreaLabbies“ the opportunity to join the team - a fresh breeze in the sails of the Creative Living Lab!



Looking Back: Future Forum Lucerne 2018 «Zukunft denken», «Zukunft machen» and «Gemeinschaft macht schlau»

Last year, the fourth Future Forum Lucerne attracted numerous visitors with an enthusiasm for innovation and the future to come to the gigantic hall of the Lucerne Exhibition Centre. The forum opened with an inspiring speech by René Hüsler, Director of the HSLU's Department of Computer Science.

The introduction to the workshops was somewhat different this year: The actor duo „Weidewolf“, consisting of Anne Weidemann and Patricia Wolf, introduced the topics of the key notes with playful performances. Various challenges in the context of „imagine your future – shape your future“ and „collective smartness“ offered the participants the opportunity to exchange ideas and develop new future scenarios.

In cooperation with the FabLab and the start-up People's Factory, a Pop-Up Factory was provided, enabling the interdisciplinary teams to realize their prototypes.

Another highlight of this year's forum was the culinary contribution of Maya Minder's catering team. Their food (with the motto Fermentation and Bacteria) brought the workshop teams into swing with future vitamins in the form of crispy-crunchy insects.

Research Projects 2018

PlasticTwist

Plastic is literally on everyone's lips - but unfortunately also in seas, other waters and in the earth. We live in a plastic age. Plastic waste does not stop at any border. About 1,000,000 PET bottles are sold worldwide per minute.



By producing less plastic, consuming less and reusing it more actively and wisely, it would be possible to get this exciting material under control. But what can we do before it's too late?

The aim of the Plastic Twist project is to add new value to plastic waste by establishing and consolidating a recycling economy. The integration of waste products in the product development and the bringing together of innovative ideas are the heart of the platform to be developed and should increase the awareness for sustainability and innovation in the minds of the population.

In 2018, various projects and workshops were implemented to help free the world from plastic waste.

The future of work and mobility

How will people travel in 2057? What consequences will new ways of working and living have for mobility? These were the questions addressed by the Creative Living Lab in a study financed by the SBB Research Fund.

The Creative Living Lab CreaLab of Lucerne University of Applied Sciences and Arts investigated the mobility needs of the working population in 2057. Even futurologists do not know what the future holds, but there are various methods that enable us to formulate statements relevant to the future.

One of these methods is „Flash Fiction Stories“.

In order to take a look into the future, researchers of the Creative Living Lab had people write down their visions under time pressure. On behalf of SBB, four future scenarios were developed from the results.

The study concludes that mobility providers are well advised to study these scenarios.

The check for organisational resilience is here!

Sheron Baumann and Jens Meissner were able to develop a shortened, translated form of the „Organizational Resilience Health Check“ and use it with a Swiss medium-sized company.

The questionnaire distinguishes between items in the areas of „leadership & culture“, „networks & partnerships“ and „openness for change“ in order to present an integral overall picture of the current situation. This allows weak points to be identified and measures to be taken efficiently. The Health Check was developed in New Zealand and Australia as part of the disaster control programme and has been successfully applied there in the longer version by thousands of companies.

First Share Gallen Market

Are you looking for a car, people to help you move house, clothes, food, a room for events or a job? When it comes to sharing, there are hardly any limits! At the first „Share Gallen Market“, which took place on 25 April in the Kugl, over 20 organisations from the city of St. Gallen and its surroundings presented their sharing offers. More and more people in St. Gallen are following this motto. No matter whether online or around the corner, the sharing offers in and around the city are constantly growing. The range is diverse - from everyday objects to services and entire offices. Resources are shared, the environment is protected. Space and money are also saved. The city of St. Gallen is involved in the ShareCity research project of the Lucerne University of Applied Sciences and Arts as part of the Energy Concept 2050. „Share Gallen“ is a presentation and networking platform offered to providers and interested parties in St. Gallen for the first time.

Bee-Ality / Multifunctional bee centre

Bees are currently enjoying great public interest; young beekeeper courses are booming. However, as the time and knowledge requirements for beekeepers should not be underestimated, there is also a high need for training. A multifunctional bee centre is to combine symbiotically the train-



ning for young beekeepers and an exhibition for interested people. The research team - together with Rolf Andres of Beewell - addressed the question of how the business model „multifunctional bee centre“ could be conceived in the sense of sustainable tourism and a beekeeping training offer.

The study concludes that the most promising scenario would be the development of a Virtual Reality serious game for young beekeepers, with which they can increase their wealth of experience. Such virtual experiences could - in a second step - be adapted for the public. We dive into the world of bees and experience the insect state up close, without affecting the actual organism, which is susceptible to disturbance. This resulted in the follow-up project Bee-ality, which is now being tackled together with the Lucerne School of Information Technology

Education and Training

The Future Laboratory CreaLab organises and offers a variety of events for educational and vocational training every year. Students from all departments of the Lucerne University of Applied Sciences and Arts (LUASA) as well as interested practitioners can participate in the Future Laboratory CreaLab events.

Off to the future!

The seventh CreaLab Summer School took place from 27 to 31 August. How can you think about the future? What are trends and not just hypes? How do you get what is in the air but not tangible? Under the motto „off to the future“, students of the Lucerne University of Applied Sciences and Arts, together with lecturers and experts, embarked on the adventure of futurology and developed - guided by experienced CreaLabbies - future scenarios for two problems. Two teams were working on a challenge from the current international research project PlasticTwist, while two other teams were working on the challenge of “Tomorrow’s Way of Working”, which had been entered by iTrust.



PlasticTwist goes HUMUS sapiens: Open Soil Research

In September a series of workshops on the topic of Humus Sapiens Open Soil took place. They were part of an Open Research Tour, which held various events in Switzerland and Germany. The members of the #PlasticTwist project, Chris Obrist, Julie Harboe and Urs Gaudenz, hosted one of these workshops at the FabLab Lucerne. They took part in another workshop in Stuttgart, where they were able to present the results of the FabLab session.

Ahoy summer academy!

„Children’s Right for Information. How knowledge becomes a resource“ was the motto of this year’s Summer Academy in Solothurn. For the eleventh time already, discussions, listening and tinkering with new ideas took place within the framework of the symposium for the promotion of children and youth.

Patricia Wolf was present three times. Her lecture and the following workshop on the topic „Next Stop Future - but how do we find the way?“ dealt with gazing into the future and the possibility to foresee and shape it. In the experimental final round, the Creative Writing Method was also used to provide such a glimpse into the future.

Re-Button

Several workshops were held on the topic of Re-Button, as part of the Plastic Twist project. Re-Buttons are made from the screw caps of a PET bottles. The necessary press mould and the associated workstations were developed for the LUGA in the FabLab Lucerne. They were used for the first time at the TunZentralschweiz stall. The range of products on offer was well received and was met with enthusiasm by children and adults alike.

Self-publishing today

How do I ask my personal DJ-hero for a booking? How can you print photos of dead animals in a way that the aesthetics of death and not voyeuristic aspects are prominent? What do nudibranchs (i.e. slugs) have to do with hands? And what should an effective guide for self-tattoos look like?

These and many other questions were dealt with by students at the beginning of February in the ISA module „Self-publishing today“ under the guidance of Stephan Wittmer and Patricia Wolf. Over a period of two weeks, handmade booklets and fanzines were created that are worth seeing and that whet the appetite for more.

Vorträge und Veröffentlichungen

During the last year, the Future Laboratory CreaLab core team members held presentations at national and international events about diverse topics. These were the highlights: of the previous year.

How do organisations change?

As part of the Swiss Quality Day, Jens Meissner spoke about how organisations will change in the future and what challenges the rapidly changing world of work brings with it. In an interview with Michael Merz, he spoke of the importance of finding a balance between corporate auditing and individuality in management and of promoting working in networks.

Future Stories Volume 2: Mobility Worlds 2057



Of the 221 short stories about the mobility worlds 2057 (written in the Creative Writing Workshops of the project „Future customer needs of the working population with regard to mobility“), 32 were published in our second science fiction book. In doing so, we took care to select the most meaningful stories in relation to the four resulting mobility scenarios in such a way that the diversity of content becomes visible and that in each scenario as many groups of the future working population as possible have their say.

TEKDiveUSA.2018 - MANAGING TEC DIVING

Which management techniques are used in technical diving? And how do recreational divers manage the transition to technical diving?

Jens Meissner was invited to speak on this exciting topic on 28 April at the world's leading conference TEKdiveUSA 2018 in Orlando, Florida. The audience included numerous divers in charge of the training at leading diving organisations. In the lecture „MANAGING (THE TRANSITION TO) TEC DIVING“ Jens Meissner presented various research results and collected further data on the management practices of experienced divers. The presentation of the lessons learnt from a wreck exploration project in Lake Zurich concluded the lecture.

Grassroot movements and the entrepreneurial city

The Creative Living Lab Crealab was very pleased about the publication of the Neubad Case Study in the International Journal of Entrepreneurship and Innovage (SAGE), because the author team of the article consists of five core team members: Patricia Wolf, Sibylla Amstutz, Lars Schuchert, Bettina Minder and Alex Willener.

Who's going to have a job in 20 years?

Thanks to digitalisation, we now carry around music collections that go beyond the scope of any normal 90s CD store. Thanks to it, we always have access to the latest news. We can also book our holidays with just a few clicks while "powdering our noses". But digitalisation is also unsettling. Whose work becomes superfluous? Who will be digitally replaceable? Against this background, Watson asked three experts, including Patricia Wolf the question of who will still have a job in 20 years' time - and what the others will be doing. The answers of the experts, as different as they are, are encouraging.



Working Methods

The Future Laboratory Crealab is working with an established core team of 20 people from all departments of Lucerne University of Applied Sciences and Arts (Management, Informatics, Engineering & Architecture, Design & Art, Social Work and Music). The core team reviews actual developments, discusses project submissions, plans and initiatives. Furthermore, the Future Laboratory Crealab works closely together with students from all departments.

bcreate: the online tool for innovation management workshops

The tool was developed for the Creative Living Lab Crealab and interspin Crealab some time ago. This year Michael Doerk and his team completely redesigned the tool and added two important functions. There are now three new tools in the online toolbox.

Plastic Wolf

A new machine for the the FabLab Lucerne: The plastic wolf! This machine was modelled after Dave Haaken's „Precious Plastic“ project. We are happy to make the plastic wolf available to anyone who would like to realise a project made of recycled plastic in the FabLab Lucerne.

The rcc Software-Suite was awarded the Comenius-EduMedia Seal!

At the award ceremony „Digital Education in Europe“, on 21 June in Berlin, Michael Doerk received the Comenius-EduMedia award for his software suite „relax - concentrate - create“. The Creative Living Lab Crealab congratulates him for this great success!



The Future Laboratory Crealab core team established the spin-off association 'interspin Crealab' in February 2015. Its purpose is to emphasise (even) more on developing, testing and applying practical methods. The interspin Crealab supports organisations from the private and public sectors in developing appropriated solutions for dealing with complex future challenges. interspin Crealab is interspinish: it moves (spins) dynamically between practice, research and society. www.interspin.ch

More information is available at the Future Laboratory Crealab blog: blog.hslu.ch/crealab