



# **Interreg BSR OSIRIS**

### **PROJECT PERIOD 4**

## **GA 3.3** Realising an Open Innovation Toolkit

## **REPORT**

GA 3.3 Leader: **VIA University College** DENMARK







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### 1. INTRODUCTION

### **Objectives**

The main output of GA 3.3 is the Open innovation toolkit. It is composed of a set of tools and services that are used for supporting co-creation and co-evolution of project regions. The toolkit will support each region to grow a stronger innovation ecosystem, by connecting to transnational networks and to innovation systems. The toolkit covers the whole open innovation journey from setting a strategy for collaboration to implementing mutually beneficial business models or policy models (RIS3). It supports the case for open innovation and shows how to co-create or crowd-source relevant ideas, prototype the best ones and construct strong partnerships. The open innovation toolkit will help organizations and regions to involve the quadruple helix innovation actors and end-users in developing news ideas to everyone's satisfaction.

### 2. WORK PLAN

GA 3.3 set out to create a collection of tools and methodologies relevant to quadruple helix actors, through methods of co-creation, transnational and joint working groups. To succeed, the activity leaders created five initial milestones to be accomplished, and produced a working plan for their sequential completion. These initial milestones where:

- Milestone 1: Locating and distributing relevant articles on innovation tools and methodologies.
   Assessing tools and methodologies by local experts. (Completed April 3<sup>rd</sup>, 2020)
- Milestone 2: Review of literature by local experts. (Completed May 1<sup>st</sup>, 2020)
- Milestone 3: Pooling of best reviewed tools and methodologies for presentation at camp.
   (Completed May 29<sup>th</sup>, 2020)
- Milestone 4: Reviewing knowledge from the first open innovation camp, and creating recommendations. (Completed Summer, 2020)
- Milestone 5: Completing the list of reviewed and recommended tools and methodologies for description, dissemination and final validation. (Completed November 10<sup>th</sup>, 2020)

The completion of milestone 3, 4 and 5 were followed by three innovation camps, with the purpose of disseminating and further developing the knowledge for the toolkit. Originally, these camps were to be held in Tallinn, Klaipėda and Aarhus but due to the Covid-19 virus, the camps were all altered to virtual innovation camps instead. Further elaboration on the content of each camp, will be presented in the following. After the final camp, the activity leader completed the draft for the Open innovation Toolkit, including a proposal for visual and digital representation, to be decided in GA 6.1.



The purpose of the Open Innovation Toolkit is to serve quadruple helix cooperation at both a regional-and transnational level. Tools and methodologies were selected on the basis of their applicability in open processes of innovation in order to facilitate the smooth flow of ideas inside and outside of organizations, and in our case inside & outside of the regions. In an open innovation process, an organization can gain advantages from both the exploration of external resources and the exploitation of internal resources (including knowledge).

The selection of tools was based on a scoping review produced by the activity leader. The findings of the review were made available to the other partners of the project, and the process of selection were divided among the activity participants. In the following, the methodology for each milestone will be explained, and in conclusion the toolkit will be presented, including the premises for finalization and validation

### 3. RESULTS - The Open Innovation Toolkit

### **Proposed toolkit**

In the following, each overall part of the toolkit will be described, followed by a depiction of the toolkit in its entirety, to be made available (in a visually altered form) on the website.

The collection of tools, that make up the primary part of the open innovation toolkit, is based on a matrix produced with inspiration from the IMPACT tool, by the activity leader (PP11) and LP. The matrix provides four categories/phases and four overall actors within a quadruple helix perspective. The four stakeholder groups were discerned and further four categories or phases of innovation are used as metrics for the placement of tools or methodologies, additionally based on relevance. Each tool is further elaborated in its own section, where the description from the responsible partner is viewable. Other than the mentioning of specific tools and methodologies, categories for assessment is also evident.

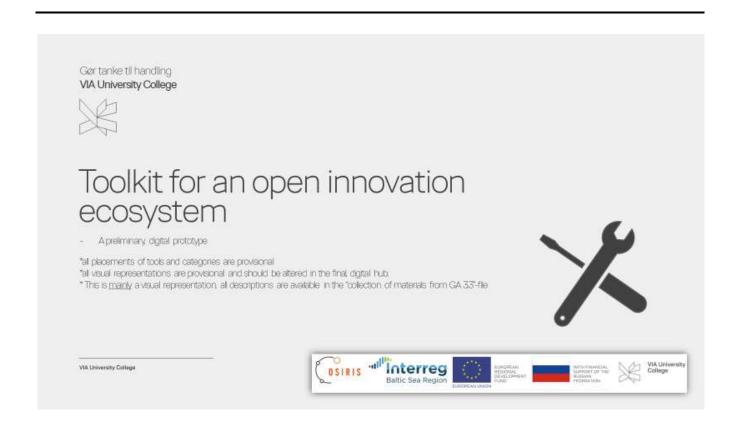
The categories are: Survey tools, Community Feedback tools, Voice of the Customer Tools, Online Review Tools, User Testing Tools and Visual Feedback Tools. The categories are further elaborated based on Type, Ease of use for customer, ease of administration, customization, native language, advantages, disadvantages, most relevant to actors and purpose. Each category further elaborates on up to seven different tools, based on product details, best for, contact details, pricing overview, starting price, free demo, deployment and features. These assessment categories can be viewed in the toolkit below, a further in-depth document on assessment tools, is available.

All visual representations are merely placeholders, and will be finalized together with the digital hub, in order to obtain a streamlined visual expression. It is the recommendation of the working group, that the toolkit is produced as an interactive kit, where the matrix is the basis for selection and presentation of the tools. A presentation file can be provided for further dissemination and exemplification of how the toolkit should be reproduced, per request.





The abovementioned perspectives make up the integral parts of the toolkit, the following is a presentation of the entire toolkit.









	Discovering & Ideating	Designing & Prototyping	Assessing & Going to market	Scaling up & Networking
Business	Design Thinking	Design Thinking	House of Quality	Ecosystem Pie Model
	House of Quality	House of Quality	Alcotra Harmonization Cube	Survey tools
	Ecosystem Pie Model	Ecosystem Pie Model	Ecosystem Pie Model	Community Feedback tools
	Survey tools	Survey tools	Survey tools	Voice of the Customer Tools
_	Community Feedback tools	Community Feedback tools	Community Feedback tools	Online Review Tools
	<b>3</b>	Voice of the Customer Tools	Voice of the Customer Tools	User Testing Tools
7	í <b>b</b>		Online Review Tools	Visual Feedback Tools
<b>6</b> 1	•		User Testing Tools	
			Visual Feedback Tools	
Academia	Design Thinking	Design Thinking	Alcotra Harmonization Cube	Ecosystem Pie Model
	Ecosystem Pie Model	Survey tools	Ecosystem Pie Model	Survey tools
	Survey tools	Community Feedback tools	Survey tools	Community Feedback tools
_	Community Feedback tools	Voice of the Customer Tools	Community Feedback tools	Voice of the Customer Tools
			Voice of the Customer Tools	Online Review Tools
$\backslash$			Online Review Tools	User Testing Tools
0[	<u>-</u>		User Testing Tools	Visual Feedback Tools
			Visual Feedback Tools	
Policy makers	Design Thinking	Design Thinking	Alcotra Harmonization Cube	Ecosystem Pie Model
	Survey tools	Survey tools	House of Quality	Survey tools
	Community Feedback tools	Community Feedback tools	Survey tools	Community Feedback tools
		Voice of the Customer Tools	Community Feedback tools	Voice of the Customer Tools
- 4			Voice of the Customer Tools	Online Review Tools
AAT	<b>X</b>		Online Review Tools	User Testing Tools
11			User Testing Tools	Visual Feedback Tools
			Visual Feedback Tools	
Civil society	Design Thinking	Design Thinking	Alcotra Harmonization Cube	Ecosystem Pie Model
	Survey tools	Survey tools	Survey tools	Survey tools
	Community Feedback tools	Community Feedback tools	Community Feedback tools	Community Feedback tools
	4	Voice of the Customer Tools	Voice of the Customer Tools	Voice of the Customer Tools
-	4		Online Review Tools	Online Review Tools
3 i	/ <b> </b>		User Testing Tools	User Testing Tools
			Visual Feedback Tools	Visual Feedback Tools



# Design Thinking

R	Relevance of the tool/methodology (Task and actor)							
	Discovering & Meating	Design/Prototyping	Assessing & Going to market	Scaling up 6 Networking				
Business	X	X		- 07.5				
Academia	X	X						
Policy makers	X	X						
Civil society	×	×						

#### Description of the tool/methodology

Design thinking (DT) is a management tool and could be described as a non-linear way of thinking about solving problems, e.g. to improve the well-being of seniors and create better environment for living, a tool for aimplifying and humanizing and also as a process. DT is a fluid, research and data-driven approach to identifying a problem, the people it affects, exploring solutions with users, and continually improving the solution with the end users. DT as a mindset can be applied to find a solution for a real need. DT is the most useful to tackle problems that are ill-defined or unknown. It helps to frame a problem so that one can innovate faster using systematic methods. There are dozens of DT methods available for applying DT in practice. The DT tool is especially relevant to the following tasks: Better understanding users and their unmer needs, challenging assumptions, redefining problems, creating innovative solutions to prototype, testing and delivering to the user, reducing the risk associated with launching new ideas, products and services, generating solutions that are revolutionary, not just incremental, seaming and iterating faster, etc.

#### Prospective uses

DT is especially relevant when companies doing market research related to better understanding users and their unmet needs, to adopt value delivery channels, to improve customer relationships, to update value propositions, etc.

DT could be applied by policy makers themselves to make better decision to encourage Silver economy development, to foster application of design thinking driven solutions in its broader sense educational offer to seniors to improve, e.g. digital literacy thus allowing to deliver targeted solutions, etc.

DT could be applied by seniors organizations to improve their services to seniors, as well to initiate ideas to business for delivering solutions to better meet senior's needs.

DT could be applied by HEIs to deliver Life long programs targeting seniors and providing necessary training on DT application for QH actors.

References and links to tool

Arnold, J.E. (2016) [1959]. Creative Engineering: Promoting Innovation by Thinking Differently. Stanford Digital Repository.

Kumar, V. (2013). 101 Design Methods: A structured approach for driving innovation in your organization. Wiley.

http://designthinking-toolkit.com/blocks/#main









### Ecosystem Pie Model

	Discovering & Ideating	Design/Prototyping	Assessment	Scaling up 6 Networking
Business	X	X	X	X
Academia	X	X	X	X
Policy makers	X			×
Civil society	×			×

#### Description of the tool/methodology

The Ecosystem Pie Model (EPM) is a tool for supporting businesses (or other actors) in: Mapping, Analyzing and Designing innovation ecosystems. The tool is designed for increasing actor collaboration as well as making relevant actors within each innovation ecosystems visible to others.

The tool is used for mapping both current and potential ecosystems. In case of the latter, one would actually be involved in designing an ecosystem through the composition of actor constellations and relationships, that do not yet exist. Our stakeholders could make use of the tool when exploring new markets, analyzing current ones, or in initial parts of development or discovery.

The tools weigh risks in relation to actor-involvement and value capture. The tool therefore provides an easy to use basis for the creation of an overview, wherein each actor is evaluated in relation to a specific value proposition.



#### Prospective uses

The tool is especially relevant when exploring new markets or new ventures or value propositions, where network-exploration is needed.

The tool is highly relevant as an initiation tool, to be used for mapping pertinent parts of an ecosystem to an actor's production of (a/an) product/idea/need/knowledge etc. The tool could also be put to use in a collaborative scenario, wherein different actors come together in order to ascertain certain common interfaces/points of contact/intertwined production.

The tool can be used both digitally or analogously using post-its to fill in constructs

Link to tool: https://ecosystempie.com/

#### References

Talmar, M. Walrave, B. Podoynitsyna, K. S. Holmström, J. Romme, A. G. L. (2020). Mopping, analyzing and designing innovation ecosystems: The Ecosystem Pie Model. Long Bange Planning. International Journal of Strategic Management. Elsevier

Ecosystem Pie Model. Methodological Guidelines for the qualitative modeling of innovation ecosystems. Appendix to: Talmar et. al. 2020

Adner, R. (2017). Ecosystem as structure. An actionable construct for strategy. Journal of Management, 43(1), 39-58.



# House of Quality

Relevance of the tool/methodology (Task and actor)							
Discovering & Ideating		Design/Prototyping	Assessing & Going to market	Scaling up & Networking			
Business	X	X	X	97.			
Academia			X				
Policy makers			×				
Civil society			1808				

#### Description of the tool/methodology

The House of Quality tool is used for product or service development. The tool includes participatory design thinking, including customer desires in development of products or services. There are many dimensions to what a consumer and a developer mean by quality, and the House of Quality tool seeks to meet this challenge.

When using the House of Quality tool, the developers describe the needs of the customers and rate their desires from 1-5 (5 being the highest desire). The developers hereby get an overview of the customer's needs and are able to take this into account in the different stages of development. The developers also describe the functional/technical requirements and benchmark these in conjunction with the customers desires. This process provides the developers with the ability to prioritize steps of execution. The tool makes it possible to benchmark with other existing products on the market due to the specifications of the product/service. The visual "roof" of the house, describes the interaction between the specifications of the products. Some specifications can potentially conflict with each other and others can reinforce — this is shown as negative or positive correlations in the tool.

#### Prospective use

The tool can be used in different stages of the development process: In the Ideation stage, the design stage and/or when the product/service are going to the market.

To understand customer desires and priorities due to product/service development

To make an overview about priorities in the development of the product or service

To benchmark the product with other existing products or services

To display potential conflicts between product/service specifications

To allocate resources – define which resources are needed to develop the product

References and links to tool

House of Quality template can be downloaded for free as Excel file: https://www.ieee.li/tmc/traditionalhog.xit

#### Reference

Çubukcu, A., Gümüş, B. (2015). Systematic Design of an Open Innovation Tool . Social and Behavioral Sciences

Prasad, B. (1996). Concurrent Function Deployment—An Emerging Alternative to QFD: Conceptual Framework. In Advances in Concurrent Engineering: Proceedings of CE96 Conference, Technomic Publishing Company, USA (pp. 105-112).









### Harmonization Cube

R	elevance of the	tool/methodology	(Task and acto	r):
	Discovering & Ideating	Design/Prototyping	Assessing & Going to market	Scaling up & Networking
Business			X	
Academia			X	
Policy makers			X	
Civil society			×	

#### Description of the tool/methodology

Alcotra's Harmonization Cube best practice criteria focus on how living labs function, and what their outcome are in terms of innovation. The six sides of the cube corresponds with key aspects: User involvment, Service Creation, Governance, Innovation Outcomes, Infrastructure and methods and tools. The three rows of the cube refer to the three development phases of a living lab: Set up, Sustainability and Avalability. Finally, the three columns reflect three common aspects of a living lab: The organizational, The technological and the Contextual issues of a living lab.

It can be used as a self-assessment tool, which is aimed at helping Living Lbs identify their development needs. This tool can assist Smart Labs to improve their testing activities and ensure that they deliver the best quality of services to companies within the field of inconstation.

It is a practical tool for visual representation when used with spider diagrams, of existing strengths and the ones that need to e developed. It can help standardize the actions of the Lab in all stages of an innovation process.

#### \*Prospective uses\*

The original intent of the harmonization cube was to measure the compliance to brst practices for projects and products in the Living Labs.

The Harmonization Cube is especially relevant when conducting a self-assessment to see whether an organization is following best practices related to all the aspects of good product or service creation. Adding spider web diagram usage, enhances this process because it allows the stakeholders to see the results in a clear visual representation.

*References	and	links.	to	too!*



### SOSI-tool

Relevance of the tool/methodology (Task and actor)								
	Discovering & Ideating	Design/Prototyping	Assessing & Going to market	Scaling up & Networking				
Business	X	X	X	X				
Academia								
Policy makers								
Civil society								

#### Description of the tool/methodology

The SOSI Tool is a practical guide for managers to understand in which component of a business model to unleash sustainability-oriented service innovation and how pursuing it through changing macro and micro components of the business model. By employing this tool, companies can identify several SOSI opportunities, serve new markets and new customer segments and gain a competitive advantage. By leveraging opportunities highlighted through SOSI, new technological, organizational and social innovations can be implemented and new business models oriented to sustainability can be designed. SOSI tool is based on an Engineering Design Process (EDP), i.e. a detailed (Ertas and Jones, 1996) or simplified (Dym et al., 2014) procedure for creating innovative solutions to different problems or needs. It combines Sustainability-Oriented Service Innovation concept (SOSI) with dimensions of Business Model Carwas (BMC).

#### Prospective uses

SOSI can be generated through designing new service offers, establishing a new type of interactions with customers, setting new delivery systems, while taking holistically into account the environmental, social, and economic business dimensions. Particularly, companies in order to generate SOSI can: design new service value propositions, serve new customer segments, build new kind of customer relationships, adopt new channels for service deliver, use new resources, perform new organizational activities, establish new partnerships, reduce externalities and/or improve benefits for the whole of society.

#### References and links to tool

Calabrese, A. Forte, G. Ghiron, N.L. (2018) Fastering Sustainability-Oriented Service Innovation (SOSI) through business model renewal: the SOSI Tool. Journal of Cleaner Production, 201.









## Survey tools

	Discovering &	Design/Prototyping	Assessing & Going to market	Scaling up & Networking
Business	X	X	X	200
Academia	X	X	X	X
Policy makers	X	X	×	30
Civil society	×	X.	×	X

An alternative way of collecting customer feedback is via traditional survey tools. Often in the form of a feedback button or email invite, these tools have become quite apopular since the emergence of website feedback. Some of these tools are focused on particular niches whereas other shone in on user experience. In the past, these customer feedback tools were well-known for their tendency to include a long list of questions, however nowadays, they are becoming shorter and shorter —which certainly makes them less of a hassle for respondents. There are simple solutions for creating surveys questionaries. These tools usually can be easy (in most cases) integrated into online systems, And they are very flexible. Customers data is storing "somewhere". If you use these solutions, then you let sent customers data they tool owners' servers. Starting price of these tools is very small, but the main expenses is using tool's service for surveys—for example for making survey of some region or some type of responders. Also, price grows if you want to some analysis of the answers.

Catagory	Type	Fase of like for customer	Comment and existence of the comment	Custorettative, notive longuage	Advertages	Drawd spin F eggen	Most retement to aptors	Furpose
Voice of the Customer Tools	Cuttomer Experience Management (CEN)	EMY	Compliante	Smell	Powerful. Universal	Complex -herity customi sable	Business Academia Policy makers	Design/prot otyping Assessment (examples)



# Community feedback tools

Relevance of the tool/methodology (Task and actor)							
	Discovering & Ideating	Design/Prototyping	Assessing & Going to market	Scaling up & Networking			
Business	X	X	X	200			
Academia	X	X	X	X			
Policy makers	X	X	×	30			
Civil society	×	X	×	X			

Also referred to as feedback forums, community feedback is a type of customer feedback tool that is collected via your website or mobile app and published either in your community or on a public forum. Visitors are usually able to comment on feedback that has been published which often turn into discussions. They can also provide suggestions or notify you of problems they're experiencing on your website. Thanks to their transparency and social effect, these tools have become quite popular, From one side these tools are forums and social networks bots – with all good and bad consequences of their use. From other side – there are tools that let business to track customers opinion from written form (forums, mails, sms, social networks) – as a part of voice of customers tools.

Category	Type	for outpiner	autolocatorius	Custombetion, notive /inquage	Advantages	ges ges	Most referent to strors	Pulgiese
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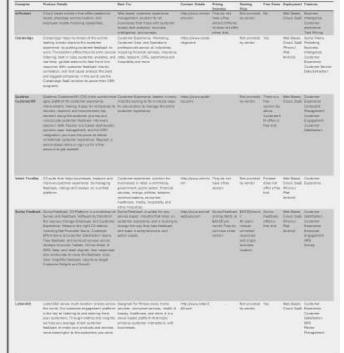


## Voice of the Customer tools

Relevance of the tool/methodology (Task and actor)										
	Discovering &	Design/Prototyping	Assessing & Going to market	Scaling up & Networking						
Business		X	X	30						
Academia		X	X	X						
Policy makers		X	X	30						
Civil society		X	X	X						

Voice of the Customer tools are becoming a top priority among online companies. This is mostly attributed to the fact that these tools have become a critical element in customer experience initiatives. These customer feedback tools make it easy for visitors to communicate about their customer experience directly and help avoid interrupting the online journey. They are also great for collecting fin-the-moment' feedback. Usual there are complicated systems, integrated into companies CRM's, using Al for the analysis. In most cases these systems can use and pertly "understand" data from text messages (like social networks, letters, etc.). Also, these systems cannot be integrated into smaller projects in easy way. And these systems are expensive.

Category	Type	East of Use for customer	Ever of administration	Custaminatio n, native Impunge	Advantages	Disadva ntages	Most relevant to octors	Purpour
Sorwey Tools	Their (in conting gestionwest, making James) and or come conting and conting and or conting and their contingent and their conting and their continues and their conti	fine	Make	Professional	to common for other states of the officers of the officers of the other of the other	Commer description Strain draw and product acress	Storingsi Academite Aprilio restato Cvil annero	Occuping & observed to the control of the control o





# Online review tools

Relevance of the tool/methodology (Task and actor)								
Discovering & Ideating		Design/Prototyping	Assessing & Going to market	Scaling up & Networking				
Business			X	200				
Academia			X	38				
Policy makers			X	30				
Civil society			X	30				

Online Review Tools are a great way of building up trust among visitors online. Used quite frequently by digital marketers because of the well-known Google Stars, these tools can have a positive effect on Google Rankings. This kind of customer feedback tool also influences purchasing behaviour seeing as how more than half of customers look at reviews before purchasing a product or service. One of the hindrances of online review tools, however is that all reviews (positive or negative) are shared publicly with your visitors. It is a useful kind of tool, but for project purposes we need an "empty" system – with possibility to add actors and to create and review innovations. Most of checked tools are integrated into big systems in which customers can write reviews on any product or company (in that systems). A part of them also are a remainders to write a review. And of course they have a price.

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Examples	Product Details	Seat For	Contact Details	Pricing Overvi	Starting Prior	Pres Demo	Deployme nt	Peature
Feefo	Custorier engagement and reproduction management tool which enables seed to delive insigns of rough performance profiling.	Reside Intergentent columns for all tradinesses which helps with building outcomer relationship, brend reputation, and socke media integration.	titus (francis stauses)		Not provided by vendor	have a free cardish Paeto offens a free trail	Wel-Speed Cheef field	Remo Management Controlle Organismon Controlle Organismon
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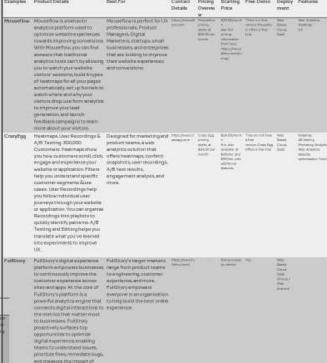


# User testing tools

	Discovering &	tool/methodolog	Assessing & Going	Scaling up &
	Ideating		to market	Networking
Business			X	200
Academia			X	×
Policy makers			×	36
Civil society			X	30

User Testing Tools involve all aspects of user interaction – whether that is with your company, products and/or services. For many businesses, supplying a good user experience is only achievable by making use of user testing tools. These kinds of customer feedback tools do a good job of measuring these interactions for the user. However, these insights are limited to the amount of pageviews users are allotted and they also often lack in the analysis and action management area. This kind of tools can be used for tracking the finished or almost finished product – like portal, innovations catalogue, etc. These tools let to track mouse clicking, mouse-over, scrolling and other webpage-based product customer feedback. These tools depend on platform of webpage-based product.

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ther feating fines	The manual of source of source solutions and source	Dear	Matter	Small (in must conty-not necessary)	Product or services can be shared united (where share basis must), what types of mother (see all or mothers).	The social assignment matrix for weaturages and care has used and as for a first hand or affects of first hand with forced product (ports), 1000/eg etc.)	Autorian Autor malan	Assessment (mampins Nativortin)





# Visual feedback tools

	Discovering &	Design/Prototyping	Assessing & Going to market	Scaling up & Networking	
Business			X	- XX	
Academia			X	X	
Policy makers			×	30	
Civil society			X	X	

Looking to capture user input on particular webpage elements? Then perhaps a visual feedback tool is something you should consider. These customer feedback tools work in many ways. Some provide the option submit a screenshot while others involve virtual sticky notes that highlight certain elements on the page such as text, images or buttons. While these provide a lot of support in terms of design, they are somewhat basic in terms of extracting deep customer experience insights. This kind of tools also can be used for tracking the finished or almost finished product.

coregory	Type	Use for nationer	administration	native language	Advantages	Deadvantages	refevent to setters	Awpose
Vicual Feedba ck Tools	Tools for exercise star- ingut on provision wetpage eventerts	Shour	Metaer	High	Designed for each Based products senting and fore feesbook Alto cres be sent for well- become and for the feesbook	Nationally increase field of oppolication results for tembring she first product (pr presentation of products)	Aumena Volky molen	Assessment /essets/ess //essets/ess

Examples	Product Details	Best For	Costact Decala	Pricing Overvier or	Starting Price	Free Desires	Deploy	Feature
DeBugMe	Debughée came into the because if the passion of affactiveness and productivity. Debughée developed for least developers and designed who speed to much firm an solving bega and their for the entities a more passion with the critical services of the productive of the productive of the productive of the productive of the promouncation with the claims shorter and more effective.		trous/he mentals souther M	Denny 76- priory priory 816/00 per Wanth	#1400)	There is a from the control of the c	Red- Dried Count, Seed	
UserReport	UserReport helps you to easily identify your users and track their satisfaction while they are visiting your exhalts.	SasS media ness brands a-commerce, organisations, gaming platform, social networks	Interesti antinesti attenesti asses		Unar Pap pet in a free product	There is a free ventor bye flaport offers is freetral	Web- Street, Doord, Start	Custome Sensination





### 4. CONCLUSION

GA 3.3. was conducted to realize a set of tools and services to be used by quadruple helix actors throughout the project regions. In collaboration, partners have created a toolkit based on open innovation, that can support co-creation and co-evolution across transnational regions. The toolkit will help organizations and regions when involving quadruple helix innovation actors and end-users in developing new ideas and supporting businesses and policy makers. It is furthermore a set of tools, that can be used actively by the coming Smart Silver Labs in their support of development and innovation regionally and transnationally. The toolkit was validated in the following ways.

### Validation

The toolkit underwent internal validation and will undergo general validation when implemented in the digital hub, after finalization.

The internal validation process included the feedback given by the joint expert group at the third innovation camp, where the partners initially discussed their thoughts in breakout rooms, to obtain multidisciplinary feedback on both the toolkits visual presentation and technical make-up. I.e. were the categories fitting and was it easy to navigate. At this innovation camp, a few of the premises for the toolkit were found lacking, and a new version was produced by the activity leader (PP11).

The final version was validated in a second round of feedback, at a virtual meeting on the 9<sup>th</sup> of December. At the meeting, a select group of experts from the joint working group, gave feedback on the edited toolkit prototype. It was agreed that the toolkit could be finalized, and that specific, textual content would afterwards be altered by the responsible experts, to be ready for publishing on the digital hub. The open innovation toolkit was consequently deemed appropriately developed for stages of operationalization, primarily located in GA 6.1. The final prototype is mainly a visual representation, and all illustrations are provisional, to be altered when implemented in the hub, to fit the design of the final digital hub.