



Action Plan of the ERUDITE Project: Enhancing Rural and Urban Digital Innovation Territories

Burgundy Regional Operational Plan priority
Theme 2: Promotion of a digital society; Priority
2.2 Provision of support services to facilitate
development of digital economy & society

**Partners: Regional Council of Burgundy
Franche Comté – Nièvre Numérique:**

English Summary

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1 Executive Summary

The implementation Plan for the Bourgogne-Franche-Comté region, (P3 CRBFC and LP Nièvre Digital), as for the other partners, was developed an open innovation/SEROI+ process to identify, select, prioritise and design new or improved digital services and predict or evaluate economic and social return on investment through the SEROI+ process developed by the ERUDITE project partners. In addition in the Nièvre a thematic and territorial service co-creation and design process 'Cultivons les Passions' was undertaken by the LP in conjunction with experts; as a both an ERUDITE and a regional testbed for multi-stakeholder creation of innovative digital services. A full presentation of the 'Cultivons les Passions' process and results is available on the Project web-site.

Due to the significant interest in the ERUDITE process and project at regional level and subsequent participation in RSG and SEROI+ events, the project development process was extended to other counties or départements of the BFC region, this was coordinated by PP3.

Following two years of partner exchange, sharing and adaptation of good practice, local capacity building and territorial cooperation, and the constructive involvement of over one hundred stakeholders representing public, private and community organisations present, This regional Action Plan was developed with ten constituent Projects, detailed below.

A/ An experimental Hub/Living Lab for Handicap, health and autonomy, National Public institution Antoine Koenigswarter, Auxerre (89):

A living lab approach dedicated to disability, health and continued autonomy, which will create physical and virtual space for experimentation of application development in the following fields:

- Reduction of the digital divide, allowing access via and to digital services and solutions,
- Handicap (from light to Very heavy), help in the acquisition and maintenance of autonomy,
- Access to care/health services
- The ageing of the population, to encourage active and positive ageing.

B/A work and maker Hub La Filature 2.0, at Ronchamp (70):

The town of Ronchamp (2 800 inhabitants) in an old textile industry area, has initiated a project to set up a Digital-Maker-Fab Lab Hub within a former spinning mill (4 500m², renovated in 2016). The general objective is to bring together a collection of different value-added activities for the local population in one place, and to boost and create value in the Ronchamps area.

The main planned activities are: a fablab for product design and prototyping, an online space to create and be part of a maker community; a Co-working space, and support activities focused on local economic self-sufficiency, based on enhancing territorial identity and the ambitions and skills of the population.

C/ideo BFC "Information and Open Data", data dissemination tool in Burgundy-Franche-Comté (Regional)

Ideo BFC is a data sharing and dissemination instrument which includes a support mechanisms and a technical infrastructure for the dissemination of information. The data concerned is mainly of a

geographical or tabular nature, which can be restricted (for protected data) or fully open (OpenData).

This data will enable the geo-localisation of multiple players in the region and represent different zoning (natural areas, business/industrial parks...), and to store information on multiple topics: polluted soils, location of **providers of social housing**; technical guides to help the residents maintain their waterways, each service is intended for local government, project leaders,, businesses, and the general public.

The instrument will support networking between all key regional stakeholders (throughout the Burgundy Franche-Comté, and its 8 departments) the sharing and dissemination of data by both producers and users of territorial knowledge: observatories, Public authorities, project leaders business and the general public.

D/The University for all/ L'Université pour tous Dijon (21):

At the University of Dijon, the project will set up a multi-media and interoperable platform to improve access and disseminate university digital information and resources.

The overall objective is to improve knowledge/information access to the general public (throughout the region and to those who cannot go to university those with mobility issues, elderly population,...) services include:

- i. Recording of courses and conferences
- ii. Creation of resources in several formats (audio, video, graphics,...)
- iii. Data processing
- iv. Digitizing and indexing data (chaptering,...)
- v. Web Development

E/ Experimentation and Maker Lab for Wine/viticulture:Vitalab: Resource Centre in Davayé (71)

Establishment of a physical hub, which will act as a resource centre for all viticulture stakeholders and the general public. The general objective is to create a dynamic environment where viticulture stakeholders can meet, share, exchange and co-develop in one place (physical and virtual resource Centre), to enable them to learn about new innovations in the world of viticulture, to evaluate innovative products or solutions and to imagine, prototype, develop products or solutions which integrate digital solutions and technologies.

F/ Optim'energie: Inter-communal energy consumption management platform (community of municipalities of Haut Nivernais Val Yonne, 58):

The community of municipalities of Haut Nivernais Val Yonne has been engaged since 2013 in a TEPOS approach (label "territory with Positive energy") in their territorial workshop they prioritised the service Optim'energie: a web platform that would allow the recognition of its energy consumption at different scales (individually, by communes, by communities of municipalities, etc.).

The platform would use data from institutions and produced by the inhabitants themselves through sensors to measure energy consumption. In the territory, 40% of the population uses gas or electrical heating, 13% fuel-oil: it is therefore necessary to manufacture a means to measure the energy consumption of the remaining 47%.

This project will allow citizen self-assessment and self-training, improved "bottom up" citizen awareness a decrease in energy costs and a decrease in energy consumption.

G/ Platform for access to and awareness raising of cultural resources (Nièvre Department, 58)

This platform project came out of discussions during a co-creation workshop, that the cultural offer of the Nièvre, although rich, was not always apparent, accessible and visible to the population.

The following priorities for the platform have been identified:

- Cultural roaming: Itinerant cultural offer type "Caravan of Culture", simultaneous streaming, carpooling...
- Access and visibility of information: readable, real-time, calendars and accessible and shared maps
- Networking local cultural stakeholders: creating links between different cultural structures and breaking down the barriers, supporting and recognising the value of volunteers
- To develop hybrid places and spaces that promote the mix between aesthetics, cultures, urban and rural areas; Attract new audiences and develop open and free access.

H/ Rural Work-Digital-Maker/Fab Lab Hub at the Ferme de Marault (Magny-Cours, 58)

The Marault Agro-cluster, located 10km south of Nevers, in Magny-Cours, is an association created in 2015 that brings together all the private and public partners involved in agricultural and rural development.

At the beginning of 2017, about forty key county organisations agreed to a development project for the site which included both promotional, research and development activities. As part of this development project, the idea of a rural-agricultural Fablab integrated within the 'Ferme de Marault' was developed. In parallel the idea of an rural-agri food Fablab was also prioritised at an open innovation workshop organised by Nièvre Numérique during the 'Cultivons les Passions' process.

The two processes were brought together and the 'Marault Rural Hub' project is now a key development project of the Regional Action Plan

I/ Platform for connecting Trainees/Work placement seekers and businesses in the Nièvre (58)

This platform project idea was formulated at a co-construction workshop, to respond to the identified need that the opportunity for training and skills development for job-seekers and trainees was lacking locally and that local business often lacked skilled workers.

There are national platforms for connecting trainees and companies, but they are generally commercial or little used. In a rural county where 55% of employment is in micro-enterprises (under 10 employees) current platforms are not appropriate to this scale of company, are not meeting their needs in terms of accessing trainees and therefore are excluding them from the potential benefits (together with the trainees and of course the wider county economy) of proving local work placements for local trainees.

The Nièvre platform will be tailor made to meet territorial priorities and circumstances.

J/Retirement home/Care community of the future, Nièvre Department (58)

Project "A": the traveling assistant



An interactive robot guides the elderly to the destination. For example, in an institution, the senior citizen person can interrogate the robot to find out where his room is if he does not remember. This device acts as a travel assistance system and can help make living spaces safer. Beyond the shape of the robot, the audience can also be any other connected object.

Project "B": cartography "I'm here! "

Problem or need addressed: identify seniors in isolation. A collaborative mapping tool that locates isolated people based on public data from social services; cross-referenced to refine results enabling public authorities to organize a coordinated response to the various isolated situations identified.

Project "C": A simplified multiservice interface

Problem or need addressed: poor networking of local resources to combat isolation. a simplified interface (can be remote control, interactive cushion, voice recognition system) focused on the elderly at home. It provides access to many services via a television: video-conference call with relatives, ordering of products online and delivered to the home, an emergency number, daily assistance to resolve problems and networked video games.

Project «D»: Support networks and digital mediation

- Problem or need addressed: breaking boredom and monotony: a device that offers several levels of digital support for elderly people living at home. This service is based on young people and unemployed in training; who play the role of digital trainer/mediator to volunteers and other carers (who are in contact with the elderly), as well as to people elderly directly.

2 **General information**

- **Project: ERUDITE**
- **Partners: Région Bourgogne-Franche-Comté/Nièvre Numérique**
- **Country: France**
- **NUTS2 région: Bourgogne-Franche-Comté**
- **Policy Instrument Addressed**

Burgundy Regional Operational Plan priority Theme 2: Promotion of a digital society; Priority 2.2 Provision of support services to facilitate development of digital economy & society

Context: The objective of the Policy Instrument (PI) is to ensure that the region's citizens and businesses benefit fully from access to innovative, open, interconnected and compatible eservices and which will be designed to be accessible using the range of evolving devices and which together will constitute a package of replicable and reusable services for the region.

The PI in particular envisages the development and deployment of open networked digital service platforms that are open and compatible. The aim is to mutualise and capitalize on the number of services on offer: primarily eadministration, eeducation/training and apprenticeship share and facilitate their development and their use by the maximum number of private and

public stakeholders. The general public will also have access to a wider range of services better in tune with their daily needs.

The PI needed to be improved through ERUDITE by developing projects that involve citizens and/or representative bodies, key public, private and third sector stakeholder organization in the development and delivery of new and improved services who would codesign them, taking into account and investment priorities and territorial needs established by Social Return of Investment.

The region has learnt how to really involve local stakeholders in the design of a of services in order to foster innovation and maximize the social return of investment of the projects supported by the PI.

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3 **Action/services included in Action Plan**

A/ An experimental Hub/Living Lab for Handicap, health and autonomy, National Public institution Antoine Koenigswarter, Auxerre (89):

B/A work and maker Hub La Filature 2.0, at Ronchamp (70):

C/IDEO BFC "Information and Open Data", data dissemination tool in Burgundy-Franche-Comté (Regional)



D/The University for all/ L'Université pour tous Dijon (21):

E/ Experimentation and Maker Lab for Wine/viticulture:Vitalab: Resource Centre in Davayé (71)

F/ Optim'energie: Inter-communal energy consumption management platform (community of municipalities of Haut Nivernais Val Yonne, 58):

G/ Platform for access to and awareness raising of cultural resources (Nièvre Department, 58)

H/ Rural Work-Digital-Maker/Fab Lab Hub at the Ferme de Marault (Magny-Cours, 58)

I/ Platform for connecting Trainees/Work placement seekers and businesses in the Nièvre (58)

J/Retirement home/Care community of the future, Nièvre Department (58)

Project "A": the traveling assistant

Project "B": cartography "I'm here! "

Project "C": A simplified multiservice interface

[Annex 1](#): includes a detailed description of the different activities and meetings involving the local stakeholders to define the services and expected impact to be included in this action plan (see Full Action Plan French Version)

Annex 2: SEROI+ Action Plan Charts : Included in SEROI+ section of web_site



3.1 Knowledge applied from ERUDITE

Describe in this section how you are applying the knowledge acquired and lessons learnt from the exchange activities in ERUDITE, in the development of your action plan.

SEROI+: *The development and application (and discovery by our stakeholders) of the SEROI + workshops was an opportunity to reflect on the design of the relevant services, their impacts and evaluation indicators. The examples taken from the experience of each partner which we used in the partnership workshops allowed us to better understand their proposed sectors of intervention/project priorities and the practices and goals of their stakeholders.*

Partner experience and practice (please detail: service name, short description and location)	How this PEP has contributed to the services developed in your Action Plan (detail any transfers, full or partial of good practice)
<p>A/ An experimental Hub/Living Lab for Handicap, health and autonomy: Led by EPNAK - Includes GP transfer from</p> <p>1. Finland South Ostrobothnia: EPTEK, the Nordic Telemedicine Center + Seinajoki public library digital services + Anvia Akkuna solution tool + the visit of the Internet of Things Laboratorium de SeAMK) and the Swedish distance surveillance solutions for senior citizens to enable continued living at home/autonomy</p> <p>2. Hungary/Panon BN: Brain at home (on -line mental agility exercises) + CoME, caregivers and me (monitoring bracelet with self analysis) + the network FairCare (with application to link volunteers; care providers and users; the portal STAGE dedicated to streaming culture to senior entertainment); in addition the Slovenian digital media solutions</p>	<p>1. The digital care and health solutions being developed and trialled in Finland, inspired the ideas behind the creation of a living lab/experimental hub approach for Handicap, health and autonomy: EPTEK with its Nordic Telemedicine Center; demonstrates the need to link research, application and product development at local level, with the community outreach digital tools (such as conversion of analogue films to digital) developed at the library demonstrated the importance of creating services that serve public interests but which can be applied to citizens' needs. The Anvia Akkuna Tool is a practical tablet based solution which can significantly support the autonomy of handicapped people and the SeAMK laboratory again showed the value of creating a local 'living lab' or experimental environment</p> <p>2. The hungarian GP's which related more specifically to tools to assist senior citizens to maintain independence and access services (cultural/entertainment) which they could no longer physically access due to mobility issues, showed potential for adaptation to the situation of handicapped people. In additional the slovenian example showed how local actors can create digital content and manage locally/thematically focused broadcasts/streamed content again applicable to the handicapped living lab approach</p> <p>3. No precise partnership was possible with our ERUDITE partners – however their inspiration has saved significant time and resources and influenced both the operational model and services planned.</p>
<p>B. Work and Maker Hub La Filature</p>	<p>In Slovenia the network/rural- urban approach to</p>



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<p>2.0,Ronchamp</p> <p>Includes GP transfer from 1. Slovenia (Makerlab and National Fab-Lab etwork + Local Digital Media Solution) ;</p> <p>2. Ireland Aislann Centre (Digital Hub in former industrial park/factory) + CoLab (Institute of Technology based incubator/co-working/start up hub + Catalyst Inc Innovation Center + C-TRIC – Eighty81 Creative Hub + The Nerve Center: 4 Derry based hubs covering creative, medical, experimental, arts and co-working functions</p>	<p>developing a fab-maker lab ecosystem instead of a limited number of urban-based specialist hubs was a useful model for Ronchamp's territorial and user-centred approach and its multi-functional aims, with the local media solution again demonstrating the potential for micro broadcasting and content development.</p> <p>The Aislann centre like the 'Filature' is a regeneration project for a former industrial site, with a focus on exploiting the potential of the digital economy in a remote area whilst providing social and cultural services; with the thematic Hubs situated near Derry (all visited during the 7th partnership meeting they provided insights into the set-up, operation and networking (clustering) of hubs and Aislann in particular on how to attract (and keep) both indigenous and 'distant' entrepreneurs.</p>
<p>C/IDEO BFC "Information and Open Data", Includes GP transfer from</p> <p>1. Venice: Digital Enterprise Lab – DEL + Kidpass, the urban guide for kid-friendly places + the SUMO, family friendly hub with social value and support for business);</p> <p>2. Ireland (Participative GIS Tools Aislann + Catalyst Inc Innovation Center + CoLab + C-TRIC – Eighty81 Creative Hub + The Nerve Center).</p>	<p>The innovative data storage; sharing; localisation and dissemination mechanisms developed by the two partners and their stakeholders in particular the DEL and KidPass and Participative GIS Tools projects have assisted CRBFC to maximise data value, 'recycling' improve the design and accessibility of the proposed platform</p>
<p>D. L'Université pour tous, Dijon (21)</p>	<p>Whilst the project was not inspired directly by any partner practice, the RSG itself provided a means to assist in the design of the developing structure and networking with appropriate stakeholders associated with ERUDITE</p>
<p>E. Experimentation and Maker Lab for Wine/viticulture: Vitilab:</p> <p>1. '2nd Hand' GP influence via the Filature 2.0 project</p> <p>2. The Slovenian Fab-Lab network</p>	<p>The initiators of the project did not attend any partnership visits however the coordinator of the La Filature 2.0, in Ronchamp. during the RSG/SEROI+ service design meetings passed on the knowledge and experience acquired from GP's from Ireland and Slovenia and with the development of the planned rural 'hub' at the Ferme de Marault in the Nièvre this resulted in an exchange on</p>

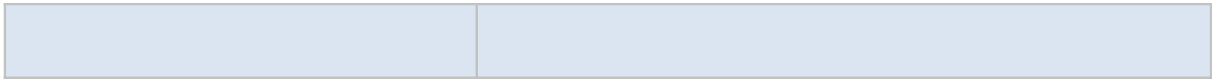


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	<p>the potential for co-development and networking.</p> <p>The Slovenian Fab-Lab network linking rural laboratories to academic and research institutions and to each other to share skills and equipment has inspired the potential networking and resource sharing of rural labs/hubs</p>
<p>F/ Optim'energie: Inter-communal energy consumption management platform:</p> <p>GP influence from the Donegal Participative GIS Tools</p>	<p>This GP with its use of data from 'Crowdsourcing' with citizen participation to co-create territorial maps was a direct influence on project with its facility to create maps of place names (as will be done with data for energy consumption) with data 'crowd-sourced' by local citizens.</p>
<p>G/ Platform for access to and awareness raising of cultural resources (Nièvre Department, 58)</p> <p>GP influence from the CZRM (CitiZens Relationship Management Platform) from Venice</p>	<p>During the partnership visit to Venice (November 2016) where the SEROI+ workshop focused on service prototyping and stakeholder goal prioritisation the CZRM platform was used as the case study and its definition of uses and needs and the prototyping of a platform with a single point of access to all public services provided a transferable model for the culture platform alongside the 'Nièvre work placement platform'</p>
<p>H/ Rural Work-Digital-Maker/Fab Lab Hub at the Ferme de Marault (Magny-Cours, 58)</p> <p>GP influence from the Maker Lab at the University of Ljubljana and the developing Fab-Lab network</p>	<p>The Slovenian Fab-Lab network which connects rural laboratories to academic and research institutions and to each other to share skills and equipment: the example of the connected chair, made with Slovenian wood and designed with help of university doctoral students at the University of Ljubljana, was of particular relevance</p>
<p>I/ Platform for connecting Trainees/Work placement seekers and businesses in the Nièvre (58)</p> <p>GP influence: FairCare Project/Pannon BN</p>	<p>The FairCare sub-project developed by PP11 of a smartphone app connecting elderly care providers and student volunteers to help identify and fill volunteering opportunities for eighteen-year-olds as part of a national compulsory programme, provided a model for the potential development of the work placement platform</p>
<p>J/Retirement home/Care community of the future, Nièvre Department (58)</p> <p>GP influence: Remote Care (multi-user night time distance surveillance by nurses and Home Care Services in the Vasternorrland Region</p>	<p>The application of digital solutions to increase both service efficiency, user and deliver satisfaction was inspirational and demonstrated how win-win service change through digital service transformation could be achieved. Elderly people who participated felt that these services often led to greater independence, security, participation and freedom of choice on their part. Many cost savings for the municipality have been generated.</p>



3.2 Timeframe and Funding

Include here the timeframe for the project funding application and set-up/implementation Process. Note: this chart will be key for the reporting procedure on the indicators given in the Application Form (Number of Projects and Investments relating to your PI and other Policy Instruments)

Due to the complex nature of the funding packages detailed in the action plan only PI linked or other significant funding details will be included: If required more details can be provided. In addition some funding already secured needs further analysis to determine and justify attribution to ERUDITE

Project/Action Investment Line/Funding Source + Amount (please state each source of funding)	Submitted For Funding	Funding Decision	Project Start Date	Other key milestones
A/ An experimental Hub/Living Lab for Handicap: A feasibility study for the Living Lab has been submitted which will lead to future submissions:	Feasibility study: last quarter 2017 Future applications TBD	February 2018 27 450€	Second half 2018	Follow up funding applications TBD
B/ La filature 2.0-ERDF 2.2	Underway	Second half 2018	Second half 2018	
C/ IDéO BFC	Already Funded – ERUDITE will contribute to evolution and improvement of service			
D/ L'Université pour tous ERDF 2.2	Underway	Second half 2018	Second half 2018	
E/ Vitilab: Applications under Regional budget for support for innovative uses: 100 k € maximum investment, 50% rate European budget ERDF axis 2.2 (20k € minimum, 49% investment rate - digital	Autumn 2018	Winter 2018	EARLY 2019	

platform, creation of new e-services) CRBFC study: € 30,000				
F/ Optim'energie/ CLER Challenge the positive energy family: possibility of prototyping the platform/possible financing of thermal diagnostics European budget ERDF axis 2.2	<i>Submission : Summer / Autumn 2018; Global Budget: 198 500 ERDF rate 49% investment operation - digital platform, creation of new e-services</i>	<i>Autumn/Winter 2018/2019</i>	<i>Autumn/Winter 2018/2019</i>	<i>TBD</i>
<i>Ferme de Marault Rural Hub: ERDF AXIS 2.2 CASDAR; EAFRD measure16, State calls for projects, Regional Council, County Council, Nevers Agglomeration, Chamber of Agriculture ...</i>	<i>Autumn 2018: Global Budget €838000 49% Max ERDF</i>	<i>Autumn/Winter 2018</i>	<i>Winter 2018/19</i>	<i>TBD</i>
I/ Platform for connecting Trainees/Work placement seekers: Nièvre Training and employment Agency own resources + ERDF axis 1.4 and or axis 2.2	<i>Autumn 2018: Global Budget €155000 49% Max ERDF</i>	<i>Autumn/Winter 2018</i>	<i>Winter 2018/19</i>	<i>TBD</i>
J/Retirement home/Care community of the future, Nièvre Department (58) County Council Funding and	<i>Autumn 2018: Global Budget €300000 49% Max</i>	<i>Autumn/Winter 2018</i>	<i>Winter 2018/19</i>	<i>TBD</i>



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ERDF axe 1.4 and or axe 2.2	<i>ERDF</i>			

- 3.3 Workplan: *In Full Action Plan (French Version)*
 - 3.4 Budget breakdown for the service/project *In Full Action Plan (French Version)*
 - 3.5 Viability and sustainability: *In Full Action Plan (French Version)*
 - 3.6 Impact expected + Monitoring activities in Phase 2: In addition to monitoring funding and operational/set up details two services have been selected for SEROI+ monitoring – details on ERUDITE WS
-