

Good Practice template

- All Good Practices identified by an Interreg Europe project and reported in the progress reports have to be submitted to the Programme.
- In order to submit a practice, you will have to register in the Interreg Europe website. Online submission will be available the first semester of 2017.
- NB: in orange: 2 optional fields. All other fields are compulsory.

1. General information	
Title of the practice	<i>[100 characters]</i> Clinically-validated IN tegrated Support for Assistive C are and Lifestyle Improvement: the Human Link – vINCI
Does this practice come from an Interreg Europe Project	Yes or no <i>[Technical: Good Practices outside the IR-E projects relevant to the topics and validated by the Policy Learning Platforms experts will also be included in the database]</i> No

In case 'yes' is selected, the following sections appear:

Please select the project acronym	Drop down menu with all acronyms
--	----------------------------------

Specific objective	<p><i>Drop-down list of the 6 specific objectives</i> <i>[Technical: In case a project is selected, the specific objective is automatically completed]</i></p> <p>Principal objective:</p> <ul style="list-style-type: none"> • Development of an integrated technological platform whereby the elderly is discreetly monitored through sets of extensible technologies, personal records being stored securely (through confidentiality techniques) and analysed to retrieve information to be delivered to the caregivers, for early detection of symptoms associated with age-related deficiencies and for triggering alerts related to possible incidents <p>Project domain and specific subdomains:</p> <ul style="list-style-type: none"> • eHealth for a sustainable, personalized, inclusive and innovative medicine <ul style="list-style-type: none"> ○ telemedicine, mobile Health ○ active ageing, prevention • Future Internet of Things, systems with extended connectivity • Internet and Cyber Physical Systems
Main institution involved	<p><i>[Technical: The name of the institution and location of the practice are per default those of the practice author. They remain editable.]</i></p> <p>National Institute for Research and Development in Informatics - ICI Bucharest - international and national coordinator - Romania</p> <p>Marche Polytechnic University – MPU - Italy University of Nicosia Research Foundation – UNRF - Cyprus National Institute of Telecommunications – NIT - Poland Connected Medical Devices – CMD - Romania Automa Srl – AUT - Italy</p>

	OPTIMA Molliter (former Salvatelli Srl) -SAL - Italy National Institute of Gerontology and Geriatrics „Ana Aslan”- NIGG - Romania CT Management d.o.o. (former Comtrade Digital Services) – CTR- Slovenia National College of Ireland – NCI - Ireland	
Location of the practice	Country	<i>Drop-down list</i> Romania
	NUTS 1	<i>Drop-down list</i> RO 321 (Bucharest)
	NUTS 2	<i>Drop-down list</i>
	NUTS 3	<i>Drop-down list</i>
	Country	Italy
	NUTS 1	IT132 (Ancona)

2. Detailed description	
Detailed information on the practice	<p><i>[1500 characters] Please provide information on the practice itself. In particular:</i></p> <ul style="list-style-type: none"> - <i>What is the problem addressed and the context which triggered the introduction of the practice?</i> - <i>How does the practice reach its objectives and how it is implemented?</i> - <i>Who are the main stakeholders and beneficiaries of the practice?</i> <p>The vINCI project has developed an assistive monitoring technology for the older adults aged 65+.</p> <p>By integrating proven open-data analytics technology with innovative user-driven IoT devices in four standardized kits, and with business models, vINCI aims to assist caregivers and provide smart care for older adults at out-patients clinics and outdoors.</p> <p>vINCI integrates a wide range of monitoring devices: the specific questionnaires for Quality of Life (QoL) and physical activity; wearable devices: CMD smartwatch or Fitbit, smart insoles, depth camera and others to collect data; the information is uniquely integrated into the platform and the user interacts through smartphones and dashboard applications.</p> <p>The support platform for vINCI technology was designed in order to provide scalability, robustness and reliability (cloud technology over micro-services) and security (adding more levels of protection, redundant).</p> <p>The main stakeholders and beneficiaries of the practice are:</p> <ul style="list-style-type: none"> • End-users: <ul style="list-style-type: none"> ○ primary end-users: the older adults aged 65+; ○ secondary end-users: formal and informal caregivers ○ tertiary end-users: the medical personnel • Older adults (private or public) care-centers or hospitals <ul style="list-style-type: none"> ○ An Association of family members from Lyon, France • Insurance companies
Resources needed	<p><i>[300 characters] Please specify the amount of funding/financial resources used and/or the human resources required to set up and to run the practice.</i></p> <p>Project costs:</p> <ul style="list-style-type: none"> • Public grant: 1.125.176,45 Euros

	<ul style="list-style-type: none"> • Partner own contribution: 364.580,61 Euros • Total: 1.489.757,06 Euros <p>Total Person-month spent: 209,64 Person-months</p>
<p>Timescale (start/end date)</p>	<p>e.g. June 2012 – May 2014/ongoing</p> <p>June 2018- November 2021</p>
<p>Evidence of success (results achieved)</p>	<p><i>[500 characters] Why is this practice considered as good? Please provide factual evidence that demonstrates its success or failure (e.g. measurable outputs/results).</i></p> <p>The practice is considered a successful one due to the fact that the technology designed for user interaction was developed with the active involvement of the elderly.</p> <p>vINCI technology was analysed and validated by pilots in controlled and uncontrolled environments. The medical partner performed the standard clinical validation procedure with over 100 participants based on experimental protocols in accordance with 86/609 / EC Council Directive.</p> <p>The analysis of the collected data showed an improvement in the quality of life.</p>
<p>Difficulties encountered/ lessons learned</p>	<p><i>[300 characters] Please specify any difficulties encountered/lessons learned during the implementation of the practice.</i></p>
<p>Potential for learning or transfer</p>	<p><i>[1000 characters] Please explain why you consider this practice (or some aspects of this practice) as being potentially interesting for other regions to learn from. This can be done e.g. through information on key success factors for a transfer or on, factors that can hamper a transfer. Information on transfer(s) that already took place can also be provided (if possible, specify the country, the region – NUTS 2 – and organisation to which the practice was transferred)</i></p> <p><i>[Technical: A good practice be edited throughout a project life time (e.g. to add information on the transfers that have occurred)]</i></p> <p>vINCI product, an assistive monitoring technology for the elderly, is represented by the vINCI app, a freeware downloadable mobile app that elderly can install on a smart tablet, laptop or a smartphone, that allows easily connectivity for many devices.</p> <p>vINCI technology was analyzed in two multi-disciplinary controlled pilots (in Romania and Cyprus).</p> <p>The most relevant was the pilot developed at the Ana Aslan Institute in Bucharest (NUTS1: RO 321 -Bucharest), where specific questionnaires for QoL and physical activity were administered, devices were installed in a clinical environment, and medical staff validated the technology with patients.</p> <p>Also, there were deployed open-call validations (in Romania, Poland, Slovenia, Italy and Ireland) in controlled environments for real-life use cases involving older adults across Europe.</p> <p>The consortium intention is to develop a technology that will undoubtedly reach a mature market status during the ongoing sustainability period.</p> <p>Approaches such as the development of a patient-centered system, namely the definition of the patient profile, which was the basis of the personalized design of the technology to meet the requirements of this age group, can be considered of major interest and can be taken over by other interested parties with minor adaptations.</p> <p>As demonstrated during the development and implementation of this good practice, another success factor in obtaining a technology adapted to the target group is represented by the analysis of the patients'needs and requirements, and also the follow-up of the acceptability of the technology with the testing of the user's satisfaction throughout the development of the technology. Monitoring the</p>

	<p>acceptability and satisfaction in the use of the vINCI technologies by the participants was based on specific questionnaires, which were customized by technical and medical professionals from the EU partners involved in this project. Therefore, this methodology for the acceptability and usability of this eHealth solution or for a new one can be easily transferred and adopted in any other region.</p> <p>vINCI app is developed in several languages (Romanian, Greek, Italian, English and Slovenian). Adaptation to another language can be done with minimal effort and without technological changes.</p> <p>Given the fact that the smart devices (Fitbit, smart insole, smart depth camera) used are EU certified, the legal problems of using them in an EU member country are eliminated.</p> <p>In the case of adopting the vINCI product, difficulties may arise in the situation where an organization does not have a sufficient budget to acquire all the technologies necessary to ensure all the product's functionalities. It is still possible to implement only some of them leading to the partial functioning of the vINCI product until the moment when the organization will be able to purchase everything provided</p> <p>In conclusion, vINCI technology is easy to be transferred to other organizations and to be used by the elderly not only in European countries and beyond.</p> <p>This GP project does not include good practices of public driven innovation.</p>
Further information	<p><i>Link to where further information on the good practice can be found</i> https://vinci.ici.ro/</p>
Contact details <i>[Technical: the contact details will be visible only to "Policy Learning Platforms registered members"]</i>	
Name	Ciprian Mihai DOBRE
Organisation	National Institute for Research and Development in Informatics - ICI Bucharest
Email	ciprian.dobre@ici.ro
Expert opinion	<p><i>[500 characters] [Technical: to be filled in by the Policy Learning Platforms experts]</i></p>