



Increasing Resilience of Smallholders with Multi-Platforms Linking Localized Resource Sharing

Deliverable D4.1e

*Third year report on communication and dissemination
activities*

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CONTRIBUTORS TABLE

DOCUMENT SECTION	AUTHOR(S)
SECTION 1	C. Pham (UPPA)
SECTION 2	C. Pham (UPPA)
SECTION 3	C. Pham (UPPA)
SECTION 4	C. Pham (UPPA)

DOCUMENT REVISION HISTORY

Version	Date	Changes
V1.1	June 30 th , 2025	PUBLIC RELEASE
V1.0	June 28 th , 2025	FIRST DRAFT VERSION FOR INTERNAL APPROVAL
V0.1	June 4 th , 2025	FIRST RELEASE FOR REVIEW

EXECUTIVE SUMMARY

Deliverable D4.1e summarizes the communication, dissemination & engagement activities conducted during the third year of RESILINK project (from June 1st, 2024 to May 31st, 2025).

The RESILINK web site, the RESILINK YouTube playlist are the main channels where all communication, dissemination & engagement documents are published and listed. This deliverable D4.1e will link to these resources.

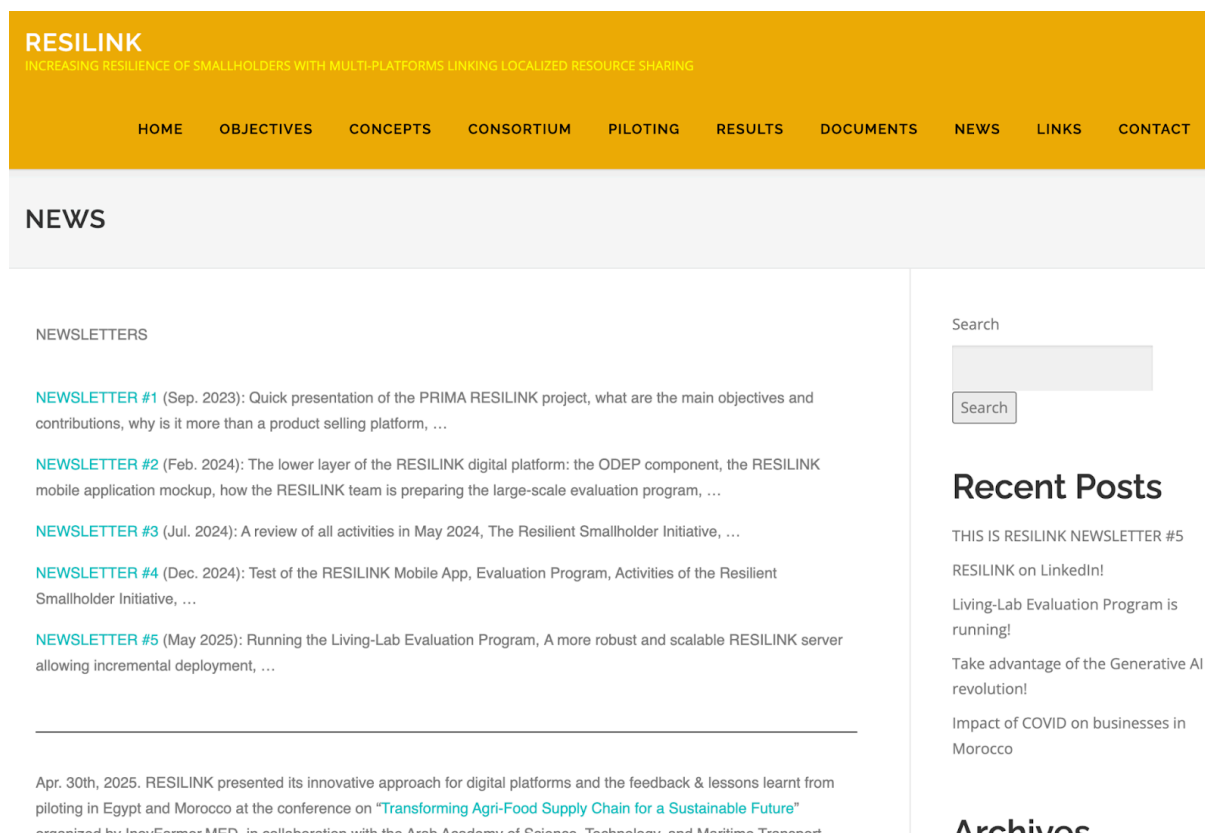
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1. DISSEMINATION ACTIVITIES

All dissemination activities are listed in the NEWS section on the project web site:

<https://resilink.eu/news>



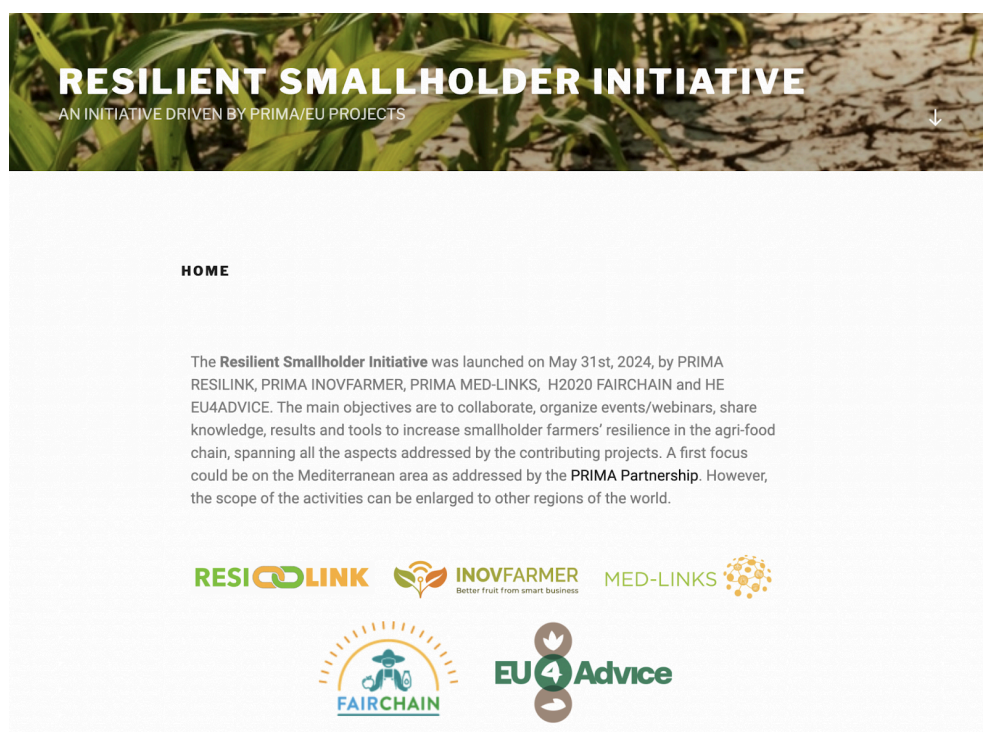
1.1. Scientific events

RESILINK participated or organized the following scientific events:

- On Oct. 3rd, 2024, C. Pham from UPPA participated in the EURO-MEDITERRANEAN INNOVATION MARKETPLACE in Cairo. Discussions on collaboration opportunities and how both EU and PRIMA foreseen & plan innovation in Africa were highly interesting! Putting priority in reaching the smallholder farmer communities has never been so important to increase inclusiveness when talking about innovation.



- On Oct. 22nd, 2024, RESILINK is more than ever engaged in the Resilient Smallholder Initiative by setting up the RSI's web site:
<https://resilient-smallholder.resilink.eu/>



- Oct. 29th, 2024. The RESILINK's objectives, approach and mobile app was presented by Dr. Seham El Gamal from ARC at the International Conference of the Patent Contact Office in the Fields of Agriculture and Food Security. Beyond the presentation of RESILINK's approach, the ARC team is leading a study on how digital tools should be designed and introduced to maximize technology adoption: "A New Vision for Enhancing the Resilience of Small Farmers in North Africa in Accessing Resources and Markets During Crises: The RESILINK Platform as a Model".

المؤتمر الدولي لمكتب اتصال براءات الاختراع في مجالات الزراعة والأمن الغذائي

International Conference of the Patent Contact Office in the Fields of Agriculture and Food Security

تحت رعاية:
أ.علاء الدين فاروق أ.د. محمد أمين عاشور أ.د. ياسمين فؤاد
وزير الزراعة وزير التعليم العالي والبحث العلمي
وزير البيئة

رئيس المؤتمر:
أ.د. وفاء حجاج
المشرف على مكتب اتصال براءات الاختراع
بالمركز القومي للبحوث

محاور المؤتمر الرئيسية:
• دور الابتكار وبراءات الاختراع في تعزيز البحث العلمي
• الابتكار الأخضر وتعزيز الاستدامة البيئية والأمن الغذائي
• التطبيقات الذكية في الزراعة لاستدامة الأمن الغذائي
• المبدع الصغير وتنمية مهارات الإبداع
• أنواع الملكية الفكرية وكيفية كتابة براءة الاختراع

29-30 أكتوبر 2024
قاعة دراسية
المركز القومي للبحوث
الدقي - الجيزة - مصر

<http://bit.ly/iepcos>

RESILINK
INCREASING RESILIENCE OF SMALLHOLDERS WITH MULTI-PLATFORMS LINKING LOCALIZED RESOURCE SHARING

INTRODUCTION:
The RESILINK project aims to increase the resilience of smallholder farmers by ensuring continued access to resources and markets in times of crisis. The project works to strengthen the local agri-food value chain model by improving the use of available resources in the community, enhancing the sharing of these resources, and facilitating access to regional markets.

OBJECTIVES:

1. IoT Automation for efficient resource sharing.
2. AI and linked-data based platforms for innovative discovery and matching of resources.
3. Edge architecture and distributed systems ensure robust data privacy and security.
4. RESILINK Mobile App - an intuitive solution for real-time communication and resource management.

CONSORTIUM:

RESILINK USER MOBILE APPLICATION

IMPACT ON SMALLHOLDERS:

- Extension planting in Egypt, Morocco, and Algeria, with more than 200 smallholders participating.
- Living lab environment for hands-on testing and evaluation.
- Key Outcomes: improved crisis management, increased resilience, and sustainable integration into global markets.
- Collaborations and Partnerships.

RESILINK mobile app

1. Department of Agricultural Economics, Agricultural and Biological Research Institute, National Research Center, Egypt, Heliopolis, Cairo, Egypt
2. National and Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
3. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
4. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
5. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
6. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
7. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
8. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
9. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt
10. Scientific Research Center, Department of Agriculture, Heliopolis, Cairo, Egypt



- On Nov. 5th, 2024, Pr. Congduc Pham from UPPA gave a keynote at the workshop on Smart Farming that was organized as part of the IEEE EDiS 2024 international conference on Embedded and Distributed System, Béchar, Algeria, Nov. 3-5, 2024. He gave a keynote entitled “TRANSDISCIPLINARY RESEARCH FOR SUSTAINABLE DEVELOPMENT: illustration with PRIMA INTEL-IRRIS et PRIMA RESILINK” where he presented the transdisciplinary approach adopted by RESILINK to take into account smallholder farmers’ specificities to develop and propose adapted technological solutions.

TRANSDISCIPLINARY RESEARCH FOR SUSTAINABLE DEVELOPMENT
illustration with PRIMA INTEL-IRRIS et PRIMA RESILINK

Workshop Sud-SMART FARMING “New Technologies for Food Security and Sustainable Development”
Bechar University, Algeria, Nov. 5th, 2024

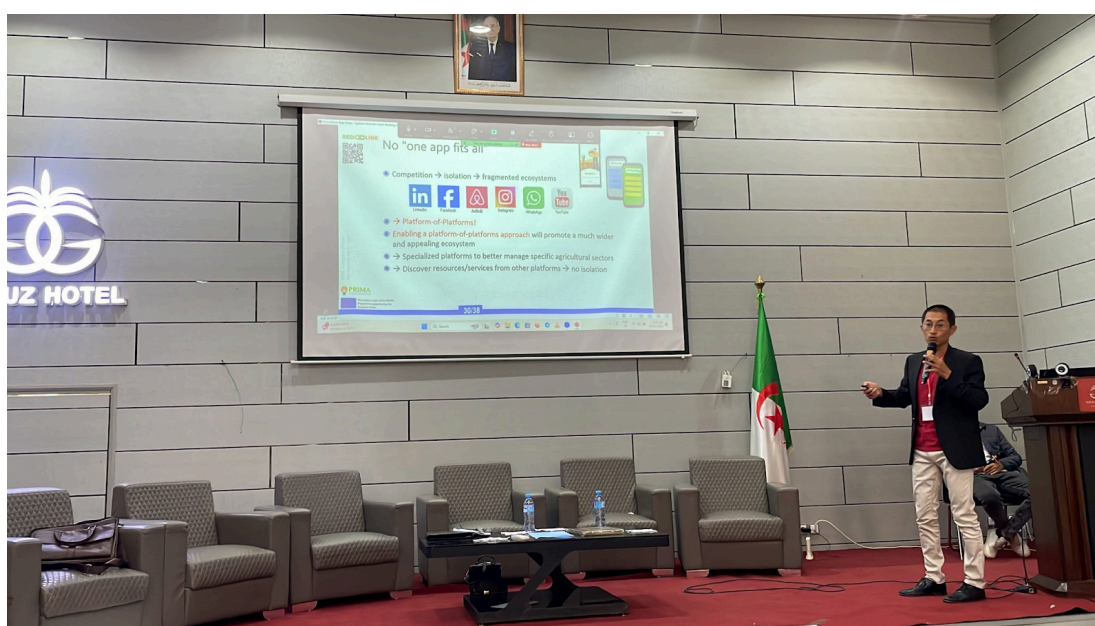
Prof. Congduc Pham
http://www.uppa.edu.dz/~pham

PRIMA
Intel-Irris RESILINK
Advanced and disruptive ICT4A technologies targeting the smallholder community for increased resilience

Now, where are local resources?

- Local resources are...**local!**
- In crisis situation, the objective is to rely & discover resources linked to a small geographical area

40km around Bechar



- On Nov. 19th, 2024. Pr. Abdendi Elaloui from the USMS team (Morocco, Beni-Mellal) organized a workshop exhibiting the Al Moutmir initiative for smallholder farmers. RESILINK is proud to be part of this event to demonstrate how digital technologies can contribute to increase smallholder farmers' resilience.

كلية العلوم والتقنيات بني ملال
 الجامعة المغربية
 Faculté des Sciences et Techniques de Beni Mellal

RESILINK

GEANTECH

AL MOUTMIR

DÉPARTEMENT DES SCIENCES DE LA TERRE
 MASTER GÉOMATIQUE ENVIRONNEMENTALE

ORGANISE
WORKSHOP
 AL MOUTMIR ET SES SERVICES
 DE VULGARISATION AGRICOLE

PROGRAMME

- 09H00 - 09H30 : ACCUEIL DES PARTICIPANTS
Mot d'ouverture (Pr. A. BARAKAT, Doyen de la FST-Béni Mellal)
Présentation des objectifs de la journée (Pr. A. BOUDHAR)
- 09H30 - 10H30 :
Présentation du Programme AL MOUTMIR et ses services (Mr. ACHEMRK Aïman)
Partage d'expérience (Mr. ACHEMRK Aïman & Mme ELHMAIDI Chaimae)
- 10H30 - 11H00 :
Discussion et échange
- 11H00 - 11H30 : Pause-café
- 12H00 - 14H00 :
Visite d'une plateforme de démonstration (Agriculteur commune : Ouled Adilich) (Mme ELHMAIDI Chaimae & Mr. ACHEMRK Aïman)
(À 10 minutes en voiture de la FST de Béni Mellal)
- 14H00 - 14H30 : Restitution de la journée et échange
Clôture

MARDI 19 NOVEMBRE 2024
 AMPHI DES CONFÉRENCES
 FACULTÉ DES SCIENCES ET TECHNIQUES, BÉNI MELLAL

COORDINATION:
 Pr. Abdelghani BOUDHAR
 Pr. Abdenbi ELALOUI



- On Nov. 18-19, 2024, at the 18th Scientific Association for Agricultural Guidance Conference that took place at the Center for Sustainable Development of Matrouh Resources, Desert Research Center, Marsa Matrouh City, Dr. Tamer Mansour from

ARC research team presented a research note as well as a poster to explain how RESILINK's approach of digital platforms for sharing localized resources in crisis situation can bring more resilience in the smallholder farmer communities.



- Dec. 26, 2024. The RESILINK USMS project team organized a scientific day dedicated to training farmers in technological innovations applied to resilient agriculture. This initiative aimed to promote modern techniques among farmers and

provide them with practical training tailored to their needs. The event took place in a participatory and enriching atmosphere, bringing together experts, farmers, and members of the RESILINK team.



PRIMA RESILINK

L'équipe du projet RESILINK
ORGANISE

UNE FORMATION
L'INNOVATION TECHNOLOGIQUE AU
SERVICE D'UNE AGRICULTURE RÉSILIENTE

JEUDI 28 DÉCEMBRE 2024
FACULTÉ POLYDISCIPLINAIRE, BÉNI MELLAL
[HTTPS://RESILINK.EU](https://resilink.eu)

MODÉRATION: Pr. Samira KRIMISSA
COORDINATION: Pr. Mustapha NAMOUS, Pr. Abdenbi ELALLOUI

Préambule

Dans le cadre de sa mission d'ouverture sur son milieu socioéconomique, l'Université Sultan Moulay Slimane s'engage activement à promouvoir le transfert des savoirs et des technologies vers les acteurs locaux. C'est dans cet esprit que cette journée de sensibilisation et de formation, dédiée aux agriculteurs, a été conçue. L'agriculture, pilier fondamental de notre économie régionale, fait face à de nombreux défis : la rareté des ressources hydriques, la dégradation des sols, les impacts du changement climatique, et la nécessité d'augmenter les rendements tout en préservant l'environnement.

Pour répondre à ces enjeux, les nouvelles technologies offrent des opportunités innovantes et efficaces. Que ce soit par l'utilisation de la télédétection pour le suivi des cultures, l'irrigation de précision, ou encore l'analyse des données pour une meilleure gestion des exploitations agricoles, ces outils représentent une véritable révolution.

Cette journée a donc pour objectif de vulgariser ces techniques modernes auprès des agriculteurs, tout en leur offrant une formation pratique et adaptée à leurs besoins. En réunissant experts universitaires, professionnels du domaine agricole et les principaux bénéficiaires que sont les agriculteurs, nous espérons jeter les bases d'un dialogue constructif et durable.

Programme

09h30 - 10h00 : Accueil des participants
10h00 - 10h30 : Allocutions et mots d'ouverture
• Allocution du Président de l'Université Sultan Moulay Slimane.
• Mot du Doyen de la Faculté Polydisciplinaire de Béni Mellal.
• Intervention du Coordonnateur du projet RESILINK USMS.
10h30 - 11h00 : Pause-café et réseautage
11h00 - 11h30 : Présentation du projet RESILINK
• Mustapha NAMOUS et Samira KRIMISSA, FP-Béni Mellal, USMS.
11h30 - 12h00 : Télédétection et suivi des cultures
• Introduction aux outils de télédétection (satellites, drones).
• Cas pratiques : utilisation d'images satellites pour détecter les anomalies dans les cultures.
• Abdelghani BOUDHAR, FST - Marrakech, Université Cadi Ayyad.
• Abdelaziz HTITTOU, Julius Kühn Institute (JKI), Federal Research Centre for Cultivated Plants, Germany.
12h00 - 12h30 : Présentation des Applications et des plateformes dans le domaine de l'agriculture
• Fatima Ezzahra EL KAMOUNI et Abdenbi ELALLOUI, FST - Béni Mellal, USMS.
• Chaimae ELHADDAD, Al Moutair - Béni Mellal.
12h30 - 13h00 : L'agriculture digitale
• Maryem ISMAILI, FST - Béni Mellal, USMS.
13h00 - 14h00 : Témoignages et échanges
• Témoignages d'agriculteurs ayant adopté des innovations technologiques.
• Questions-réponses avec les experts.
14h00 - 15h00 : Clôture et perspectives
• Démonstration d'une station météo locale et ses applications.
• Ismail KARADOUJ et Abdelkrim ARIOUA, FST - Béni Mellal, USMS.

Coordination:
Pr. Mustapha NAMOUS
Pr. Abdenbi ELALLOUI
Moderation:
Pr. Samira KRIMISSA

Comité d'honneur
Mehdi EL MECHI, Président de l'Université Sultan Moulay Slimane
Dr. Abdelhak EL HARTI, Doyen de la Faculté Polydisciplinaire, Béni Mellal
Dr. Ahmed BARAKAT, Doyen de la Faculté des Sciences et Techniques, Béni Mellal

Comité d'organisation
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Mustapha NAMOUS, Faculté Polydisciplinaire, Béni Mellal
Abdenbi ELALLOUI, Faculté des Sciences et Techniques, Béni Mellal
Samira KRIMISSA, Faculté Polydisciplinaire, Béni Mellal
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Maryem ISMAILI, Faculté des Sciences et Techniques, Béni Mellal
Sonia HALLOU, Faculté des Sciences et Techniques, Béni Mellal
Meryem EL BOUCERKAOUI, Faculté des Sciences et Techniques, Béni Mellal
Oussama KADT, Faculté des Sciences et Techniques, Béni Mellal
Fatima EL KAMOUNI, Faculté des Sciences et Techniques, Béni Mellal
Sana ELLOUMI, Faculté des Sciences et Techniques, Béni Mellal
Mohamed CHIKH ESSOUBI, Faculté des Sciences et Techniques, Béni Mellal
Fatimaoula TACHAK, Faculté des Sciences et Techniques, Béni Mellal
Abdoulhak EL HARTI, Faculté des Sciences et Techniques, Béni Mellal
Said EL GOUNI, Faculté des Sciences et Techniques, Béni Mellal

Comité scientifique
Abdelghani BOUDHAR, Faculté des Sciences et Techniques, Béni Mellal
Mustapha NAMOUS, Faculté Polydisciplinaire, Béni Mellal
Abdenbi ELALLOUI, Faculté des Sciences et Techniques, Béni Mellal
Samira KRIMISSA, Faculté Polydisciplinaire, Béni Mellal
Said ABDOURACHID, Faculté Polydisciplinaire, Béni Mellal
Meryem ISMAILI, Faculté des Sciences et Techniques, Béni Mellal

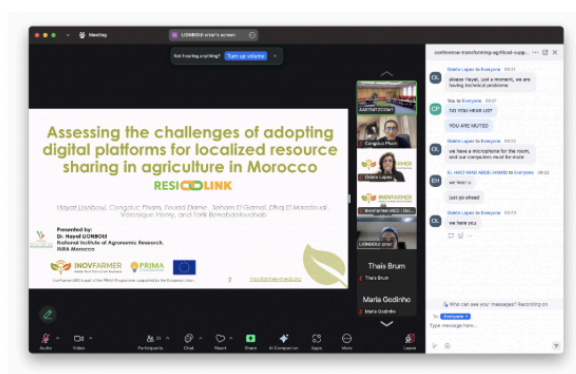
Date de la journée 26 Décembre 2024

Pour plus d'informations, veuillez contacter le Ben
Jawab : <https://resilink.eu>



- Apr. 30th, 2025. RESILINK presented its innovative approach for digital platforms and the feedback & lessons learnt from piloting in Egypt and Morocco at the conference on “Transforming Agri-Food Supply Chain for a Sustainable Future” co-organized with InovFarmer.MED, in collaboration with the Arab Academy of Science, Technology, and Maritime Transport (AASTMT), in Alexandria, Egypt.

- The RESILINK digital platform and the platform-of-platforms approach to share local resources, presented by Pr Yasser Dessouky, AASTMT and ACICT, Egypt. In person in Alexandria.
<https://resilink.eu/wp-content/uploads/2025/04/RESILINK-presentation-inovfarmer.pdf>
- Smallholder's readiness to adopt platforms linking local resource-sharing in Egypt, presented by Dr. Seham El Gamal, Agricultural Research Centre, Egypt. In person in Alexandria.
https://resilink.eu/wp-content/uploads/2025/07/SehamEl-Gamal-et-al-ARC-Egypt_-INOVfarmer-30-4-2025-Alex.pdf
- Assessing the challenges of adopting digital platforms for localized resource sharing in agriculture, presented by Hayat Lionboui, National Institute of Agronomic Research, Morocco.
https://resilink.eu/wp-content/uploads/2025/07/Lionboui-et-al.-30_Ap_25_alexandria.pdf



2. COMMUNICATION ACTIVITIES & MATERIALS

2.1. Posters for Living-Labs and dissemination events

42cm x 60cm posters in .pdf illustrating the main features of the RESILINK framework. They are customized for Algeria, Egypt and Morocco, and used in Living-Labs and dissemination events.

- <https://resilink.eu/wp-content/uploads/2025/03/RESILINK-framework-poster-Algeria.pdf>
- <https://resilink.eu/wp-content/uploads/2025/03/RESILINK-framework-poster-Egypt.pdf>
- <https://resilink.eu/wp-content/uploads/2025/03/RESILINK-framework-poster-Morocco.pdf>

Below is the Algeria version.

PRIMA
Partnership for Research and Innovation
in the Mediterranean Area

RESILINK
PROMOTES LOCAL
RESOURCE SHARING
FOR INCREASED RESILIENCE
WITH DIGITAL
PLATFORMS

<https://resilink.eu>

✓ **mobile app**
✓ **simple to use**
✓ **link with others**
✓ **keep informed**

Lightweight server that can be locally hosted on small servers

✓ **distributed architecture**
✓ **deploy when needed**

✓ **light server**
✓ **open API**
✓ **platform-of platforms**


✓ **interoperable**

AGCT - Agence Nationale de Recherche et d'Innovation
ANR - Agence Nationale de Recherche
ANR - Agence Nationale de Recherche
ANR - Agence Nationale de Recherche
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ANR - Agence Nationale de Recherche
ANR - Agence Nationale de Recherche
ANR - Agence Nationale de Recherche

RESILINK


2.2. Posters for scientific events

Poster presented on Nov. 18-19, 2024, at the 18th Scientific Association for Agricultural Guidance Conference that took place at the Center for Sustainable Development of Matrouh Resources, Desert Research Center, Marsa Matrouh City, Dr. Tamer Mansour from ARC research team presented a research note as well as a poster to explain how RESILINK's approach of digital platforms for sharing localized resources in crisis situation can bring more resilience in the smallholder farmer communities.



RESILINK

INCREASING RESILIENCE OF SMALLHOLDERS
WITH MULTI-PLATFORMS LINKING LOCALIZED
RESOURCE SHARING



1 Problem statement and key objectives

- Smallholder farmers: first to be impacted by unexpected crises, very economically fragile
- Increasing the resilience of smallholders is a multidimensional challenge
- RESILINK will increase smallholder's resilience by providing continuity of access to both resources and markets in crisis situations**
- Promotes & links local resources that are less impacted by restrictions on movements
- Generalizing local resource sharing approach will enable SHFs to maintain their activity thus securing their revenues

1 Improve the agri-food value chain by optimizing usage of local resources, generalizing local resource sharing approach and facilitating territorial markets

2 Brief summary of the methodology

- A distributed digital platform will enable **real-time exchange of information** on territorial resources and supplies & demands; **connecting smallholders to new supply**, sharing opportunities and distribution channels
- Will provide an **open architecture and API** to seamlessly integrate third-party platforms into **comprehensive dashboards/portfolios**
- Incrementally add disruptive technologies such as **Internet-of-Thing (IoT), Edge Computing, Linked-Data and AI-based Decision Support System (DSS)** for information sharing automation in agriculture/farming processes

2 Develop distributed digital resource management platform for real-time exchange of information on territorial resources and supplies & demands; connecting smallholders to new supply, sharing opportunities and distribution channels

3 Use cutting-edge digital technologies to connect field and farm resources, automate and add intelligence in the agri-food value chain to provide simple application interfaces adapted to smallholders

3 Key exploitable results



RESILINK mobile application new version

RESILINK

The mobile app runs on most ANDROID smartphones

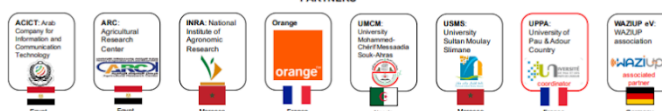


This project is part of the PRIMA Programme supported by the European Union's Horizon 2020 research and innovation programme



The PRIMA programme is supported under Horizon 2020, the European Union's Framework Programme for Research and Innovation

PARTNERS



NATIONAL FUNDING AGENCIES

ASRT – EGYPT MESRSFC – MOROCCO ANR – FRANCE DGRSDT – ALGERIA

Congduc Pham ¹, Sheham M. A. El Gamal ², And Tamer Mansour ³

¹ Scientific Manager WAZIUP e.V. UPPA, STEE, LIUPPA laboratory, Avenue de l'Université, PAU CEDEX, France; congduc.pham@univ-pau.fr

² Medicinal and Aromatic Plants Research Department, HRI, ARC, Giza12619, Egypt; s_elgamal99@yahoo.com; <https://orcid.org/0000-0002-5954-3478>

³ Department of Agricultural Economics, Agricultural and Biological Research Institute, National Research Center, Dokki, Giza, Egypt; tj.mansour@nrc.sci.eg



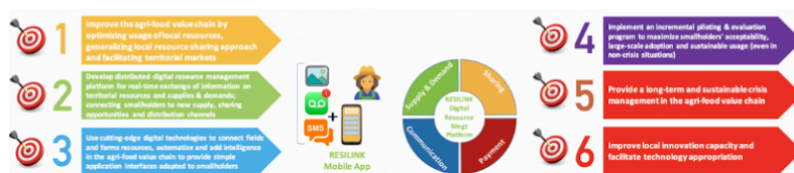
Poster presented on Oct. 29th, 2024 where the RESILINK's objectives, approach and mobile app was presented by Dr. Seham El Gamal from ARC at the International Conference of the Patent Contact Office in the Fields of Agriculture and Food Security.



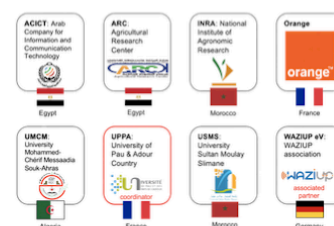
INTRODUCTION:

The RESILINK project aims to increase the resilience of smallholder farmers by ensuring continued access to resources and markets in times of crisis. The project works to strengthen the local agri-food value chain model by improving the use of available resources in the community, enhancing the sharing of these resources, and facilitating access to regional markets.

OBJECTIVES:



CONSORTIUM :



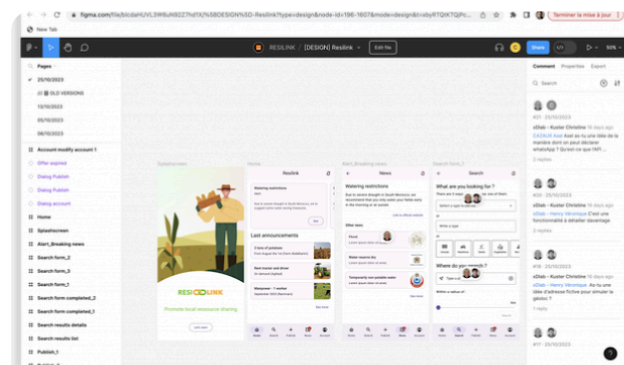
TECHNOLOGICAL SOLUTIONS:

- IoT Automation for efficient resource sharing.
- AI and linked-data-based platforms for innovative discovery and matching of resources.
- Edge architecture and distributed systems ensure robust data privacy and security.

RESILINK Mobile App – an intuitive solution for real-time communication and resource management.



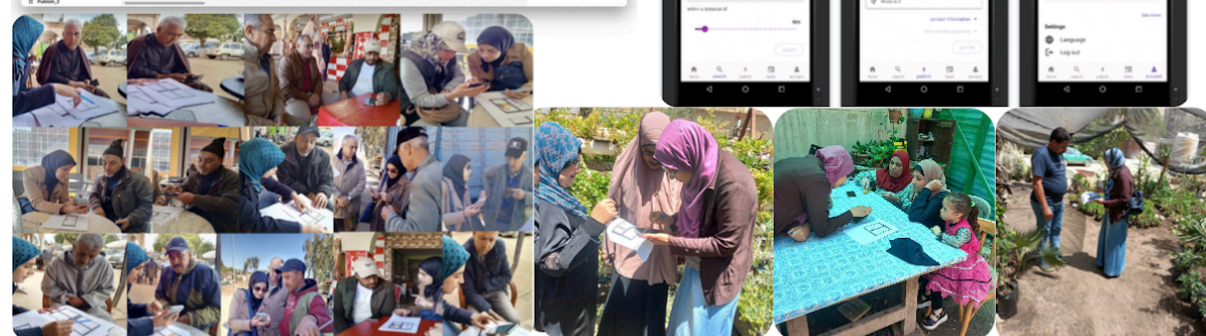
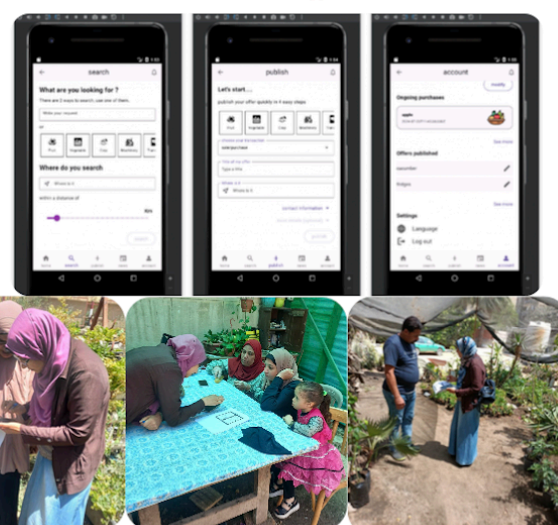
RESILINK USER MOBILE APPLICATION



IMPACT ON SMALLHOLDERS:

- Extensive piloting in Egypt, Morocco, and Algeria, with more than 200 smallholders participating.
- Living-lab environment for hands-on testing and evaluation.
- Key Outcomes: improved crisis management, increased resilience, and sustainable integration into global markets.
- Collaborations and Partnerships:

RESILINK mobile app



Tamer Mansour 1, Seham M. A. El Gamal 2, and Congduc Pham Nahla A. Awad 3 and Souad A. Shairra

1 Department of Agricultural Economics, Agricultural and Biological Research Institute, National Research Center, Dokki, Giza, Egypt; tj.mansour@nrc.sci.eg <https://orcid.org/my-orcid?orcid=0000-0002-8244-0119>
 2 Medicinal and Aromatic Plants Research Department, HRI, ARC, Giza12619, Egypt; s_elgamal99@yahoo.com; <https://orcid.org/0000-0002-5954-3478>
 3 Scientific Manager WAZUP e.V. UPPA, STEE, LIUPPA laboratory, Avenue de l'Université, PAU CEDEX, France; congduc.pham@univ-pau.fr

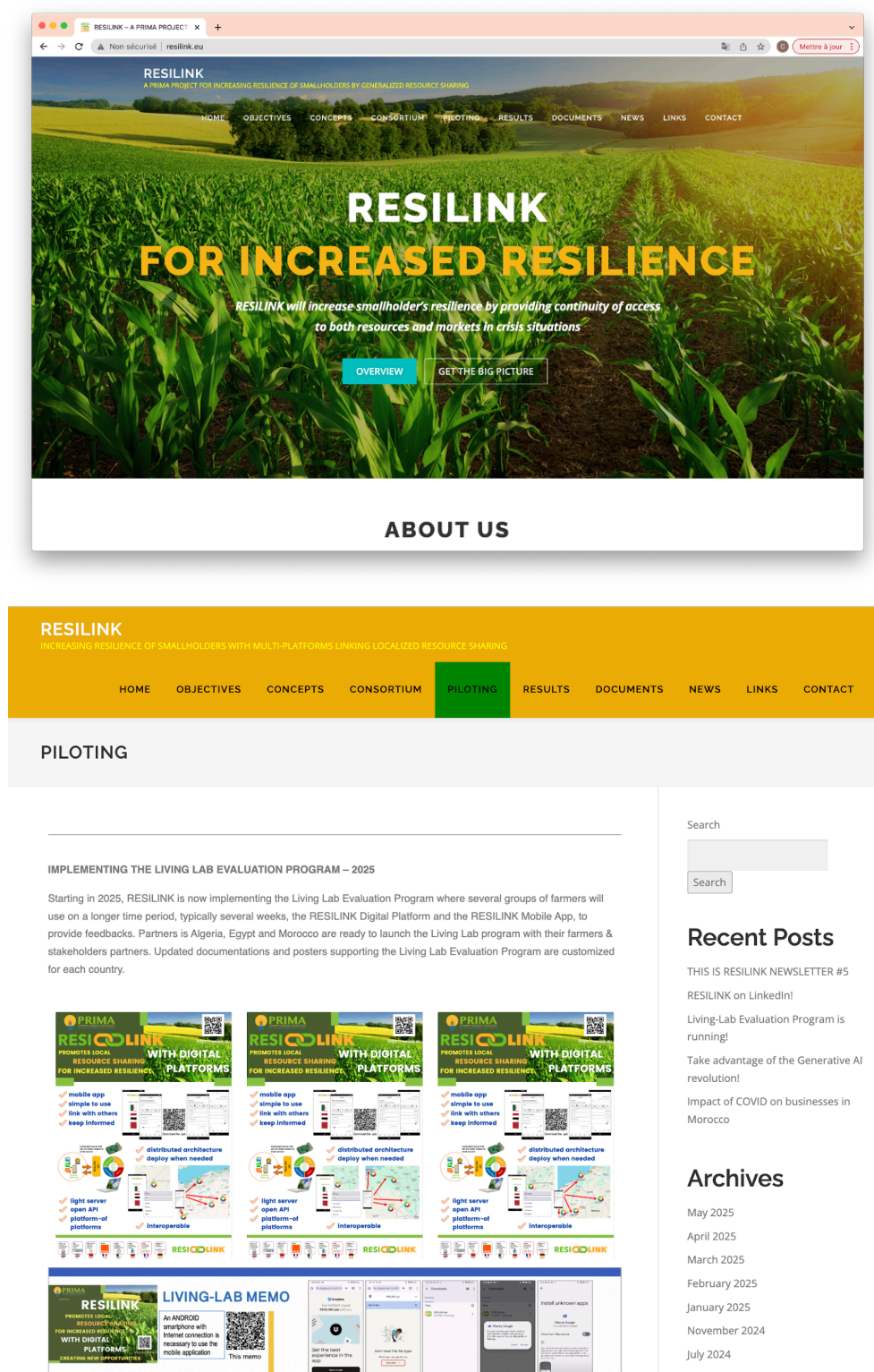
Biological Control Department, PPRI, ARC, Giza - Egypt.
 Fruits Breeding Department, HRI, ARC, Giza - Egypt



3. ONLINE & SOCIAL MEDIA

3.1. Web site

The RESILINK web site is the main channel for disseminating information related to the achievement of RESILINK: <https://resilink.eu>.




3.1.1.Posts

Recent posts are clearly visible from the home page of the web site as “LATEST NEWS”. A post typically publishes some news or some events for quick display on the web site. Visitors can reply to posts and receive answers.

RESILINK
INCREASING RESILIENCE OF SMALLHOLDERS WITH MULTI-PLATFORMS LINKING LOCALIZED RESOURCE SHARING


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[RESULTS](#)
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LATEST POSTS




THIS IS RESILINK NEWSLETTER #5

View RESILINK NEWSLETTER #5 and provide feedbacks using the Reply feature.Content of NEWSLETTER #5 – May 2025Running the Living-Lab Evaluation ProgramA more robust and scalable RESILINK server allowing incremental deploymentThird-party use cases ...



RESILINK on LinkedIn!

RESILINK is on LinkedIn!<https://www.linkedin.com/in/prima-resilink-058a7035b/>



Living-Lab Evaluation Program is running!

Partners in Algeria, Egypt and Morocco are ready to launch the Living Lab program with their farmers & stakeholders partners. Updated documentations and posters supporting the Living Lab Evaluation Program are customized ...

9 posts have been published in the third year. In total, 32 posts have been published with key results/events for RESILINK.

RESILINK 10,167 New View Posts UpdraftPlus 80% Reset Howdy, reslink-admin

Dashboard Posts Add Post

Elementor Data Updater
Database update process is running in the background. Taking a while?
[Click here to run it now.](#)

All (32) | Published (32)

Bulk actions Apply All dates All Categories Filter 32 items 1 of 2

Title	Author	Categories	Tags	Date
<input type="checkbox"/> THIS IS RESILINK NEWSLETTER #5 — Elementor	reslink-admin	Uncategorized	—	Published 2025/05/31 at 9:10 am
<input type="checkbox"/> RESILINK on LinkedIn! — Elementor	reslink-admin	Uncategorized	—	Published 2025/04/13 at 10:09 am
<input type="checkbox"/> Living-Lab Evaluation Program is running! — Elementor	reslink-admin	Uncategorized	—	Published 2025/03/17 at 2:02 pm
<input type="checkbox"/> Take advantage of the Generative AI revolution! — Elementor	reslink-admin	Uncategorized	—	Published 2025/03/03 at 2:12 pm
<input type="checkbox"/> Impact of COVID on businesses in Morocco — Elementor	reslink-admin	Uncategorized	—	Published 2025/02/28 at 8:54 am
<input type="checkbox"/> THIS IS RESILINK NEWSLETTER #4 — Elementor	reslink-admin	Uncategorized	—	Published 2025/01/07 at 3:54 pm
<input type="checkbox"/> RESILINK Mobile App Evaluation Program — Elementor	reslink-admin	Uncategorized	—	Published 2024/11/12 at 4:09 pm
<input type="checkbox"/> 1st webinar of the Resilient Smallholder Initiative — Elementor	reslink-admin	Uncategorized	—	Published 2024/11/12 at 9:05 am
<input type="checkbox"/> THIS IS RESILINK NEWSLETTER #3 — Elementor	reslink-admin	Uncategorized	—	Published 2024/07/01 at 8:17 am
<input type="checkbox"/> Resilient Smallholders Initiative launched by RESILINK, INOVFARMER, MED-LINKS & EU4ADVICE! — Elementor	reslink-admin	Uncategorized	—	Published 2024/06/01 at 2:23 pm

The last post for this third year was on May 31st, 2025 for the release of the NEWSLETTER #5. A post on Apr. 13th, 2025 announced the creation of a LinkedIn account for the project as X channel is not used anymore.

in Search Home My Network Jobs Messaging Notifications Me For Business Try Premium for €0

PRIMA RESILINK Add verification badge
PRIMA project at University of Pau, France
Pau, Nouvelle-Aquitaine, France · [Contact info](#)
<https://resilink.eu/>

Open to Add profile section Enhance profile Resources

Show recruiters you're open to work — you control who sees this. [Get started](#)

Share that you're hiring and attract qualified candidates. [Get started](#)

Suggested for you
Private to you

Highlight your skills from University of Pau, France
Make it easier for recruiters to find you by showing where and how you used your skills.

Profile language
English

Public profile & URL
www.linkedin.com/in/prima-resilink-058a7035b

Colas France
Grow your business with insights from Colas France
Stay informed on industry news and trends
[Follow](#)

People you may know
From your industry

Zied KBAIER EU Project Specialist
[Connect](#)

Lea Demetz Assistant vétérinaire en alternance chez SELARL...
[Connect](#)

3.1.2. News & Newsletters

The News section (<https://resilink.eu/news>) is complementary to the Posts section. However, while for instance a post can be published to announce a Design Thinking session, the News section is more dedicated to important results or project milestones, to events such as webinars/seminars with the associated program and links to presentations.

For the third year, **18 News have been announced**: from “June 24th, 2024. The RESILINK mobile app has a new User Interface and will provide a more intuitive User Experience!...” to “Apr. 30th, 2025. RESILINK presented its innovative approach for digital platforms and the feedback & lessons learnt from piloting in Egypt and Morocco at the conference on “Transforming Agri-Food Supply Chain for a Sustainable Future” organized by InovFarmer.MED, in collaboration with the Arab Academy of Science, Technology, and Maritime Transport (AASTMT), in Alexandria, Egypt.”

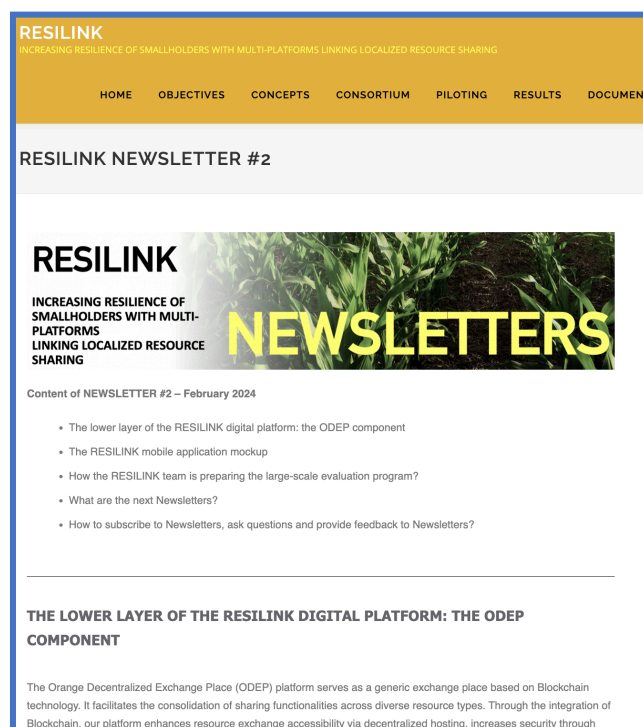
In total, there are 39 News from the start of the project.

The News section also keeps on top of the page the list of NEWSLETTERS for quick access. The first Newsletter was produced and published in September 2023 to cover the first year period. The second Newsletter was published in February 2024.

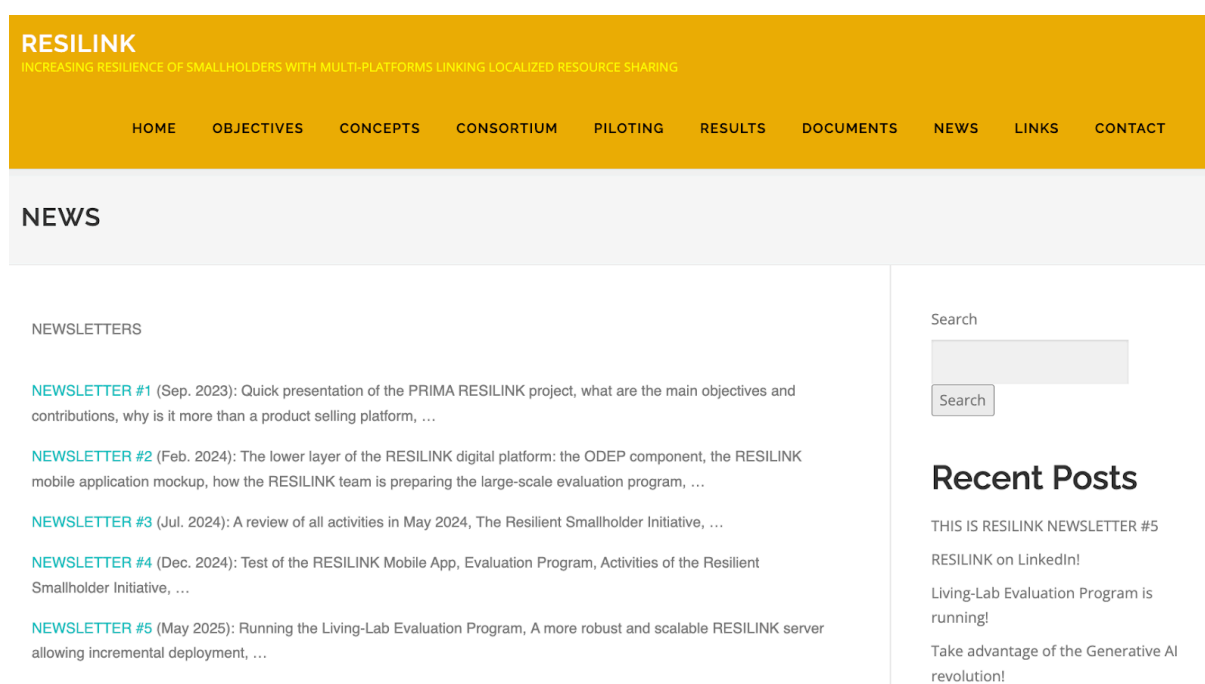
[NEWSLETTER #1](#) (Sep. 2023): Quick presentation of the PRIMA RESILINK project, what are the main objectives and contributions, why is it more than a product selling platform, ...

[NEWSLETTER #2](#) (Feb. 2024): The lower layer of the RESILINK digital platform: the ODEP component, the RESILINK mobile application mockup, how the RESILINK team is preparing the large-scale evaluation program, ...





During the third year, we published 3 additional NEWSLETTERS.



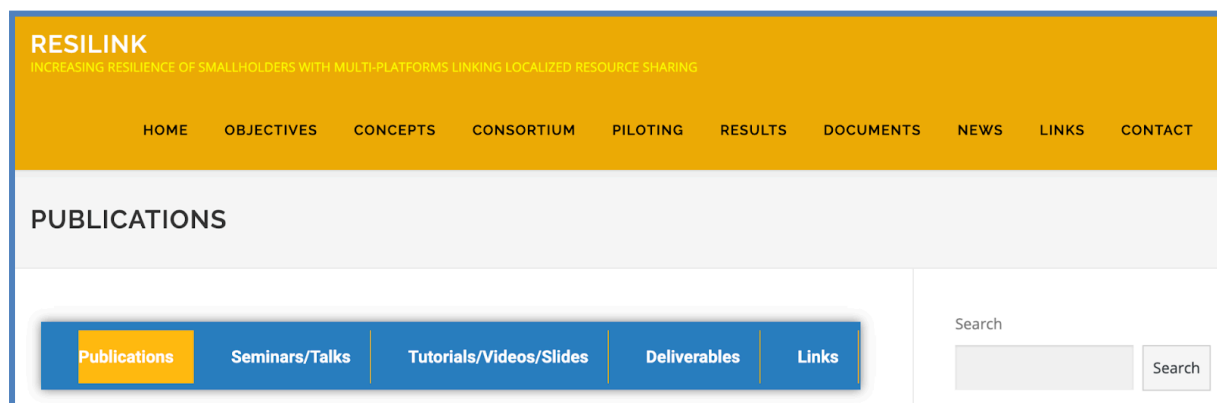
NEWSLETTER #3 (Jul. 2024): A review of all activities in May 2024, The Resilient Smallholder Initiative, ...

NEWSLETTER #4 (Dec. 2024): Test of the RESILINK Mobile App, Evaluation Program, Activities of the Resilient Smallholder Initiative, ...

NEWSLETTER #5 (May 2025): Running the Living-Lab Evaluation Program, A more robust and scalable RESILINK server allowing incremental deployment, ...

3.1.3. Documents

The Document section is further divided into 5 sub-sections. This section contains most of RESILINK's contributions.



3.1.3.1. Publications

Both scientific articles and communication materials such as flyers, posters, roll-up are in the Publications section.

In the third year, RESILINK published 2 journal articles and 2 short abstracts in conferences.

- [Smallholder's readiness to adopt platforms linking local resource-sharing in Egypt](#), presented by Dr. Seham El Gamal, Agricultural Research Centre, Egypt. In person in Alexandria. Abstract accepted at the conference on "[Transforming Agri-Food Supply Chain for a Sustainable Future](#)" organized by InovFarmer.MED, Apr. 30th, 2025. Download the [presentation](#).
- [Assessing the challenges of adopting digital platforms for localized resource sharing in agriculture](#), presented by Hayat Lionboui, National Institute of Agronomic Research, Morocco. Abstract accepted at the conference on "[Transforming Agri-Food Supply Chain for a Sustainable Future](#)" organized by InovFarmer.MED, Apr. 30th, 2025. Download the [presentation](#)
- C. Pham, T. Mansour, H. Lionboui, Z. Fawzy, S. Shairra, N. Awad, S. El-Gamal, "[Smallholder's readiness to adopt platforms linking local resource sharing in Egypt](#)", Journal of Ecohumanism, vol. 3, no. 8, 2024. Creative Publishing House. <https://doi.org/10.62754/joe.v3i8.5702>
- H. Lionbui, C. Pham, F. Elame, S. El Gamal, E. El Maadoudi, V. Henry, T. Benabdelouahab, "The challenges and opportunities of adopting digital platforms for localized resources sharing in agriculture: issues, perceptions, and influential factors", to be published in International Journal of Sustainable Agricultural Management and Informatics, InderScience Publishing.

3.1.3.2. Seminars/Talks

The Seminars section lists all the presentations given by RESILINK partners at various events organized by the project (webinars, seminars, scientific days,...). Note that presentations given at events organized by other entities are listed in the dissemination section.

1 additional seminar/talk has been given by RESILINK partners.

- On Nov. 21st, 2024, RESILINK presented its activities, main outcome and how it can contribute to increase smallholder farmers' resilience at the 1st webinar of the Resilient Smallholder Initiative:

<https://resilentsmallholder.live-website.com/79-participants-for-the-1st-webinar-of-resilient-smallholder-initiative>



3.1.3.3. Tutorials/Videos/Slides

The Tutorials/Videos/Slides section lists all the tutorials materials produced by RESILINK partners. Pinned materials are listed on top of page for easy access when necessary.

In the third year, the main tutorial materials are related to the RESILINK mobile app Evaluation Program and Living-Lab.

RESILINK

PROMOTES LOCAL RESOURCE SHARING FOR INCREASED RESILIENCE WITH DIGITAL PLATFORMS CREATING NEW OPPORTUNITIES

LIVING-LAB MEMO

An ANDROID smartphone with Internet connection is necessary to use the mobile application

RESILINK aims to increase smallholder's resilience by providing continuity of access to both resources and markets in crisis situations. It promotes localized usage of resources

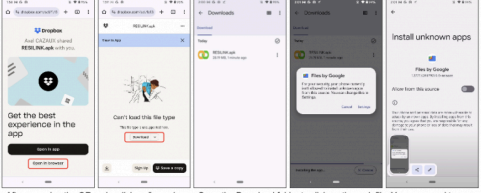
The RESILINK mobile application will allow you to **publish & search for resources**

It **connects smallholders to new supply**, sharing **opportunities & distribution channels**, keeping you informed of **news/alerts/regulations** from government agencies

As a beta tester, you are asked to use daily the mobile application: **search** for offers from other farmers, **create & publish** offers based on your activity, read the **news** channels, ...

If you are not a farmer, you are asked to test as if you were a farmer... do your best!


Then, you will be asked to provide feedback on the User Interface, the User experience, the functionalities, ...




After scanning the QR code, click on "open in browser". Then click on "Download"

Open the Download folder to click on the .apk file. You may need to allow "install from unknown source" in the Settings of your smartphone

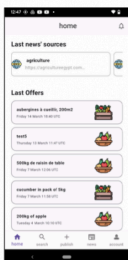
Download app (.apk package)



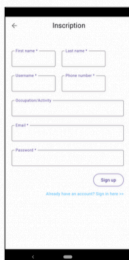
View evaluation feedback form



Without an account, you can only view & search for offers



With an account you can publish offers and get access to all functionalities



Latin alphabet MUST BE used for username and password

Choose a simple username, ex: tdupton, abenghazi, mmalouf, ...

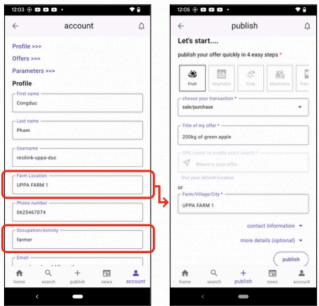
Choose a password, between 8 and 12 characters. Letters, numbers, special characters

You can enter a fake phone number: 123456789. But if you want to use WhatsApp for contact it is better to use your real phone number

You can indicate a fake email but the format **must** follow an email format. Ex: mytest@star.com

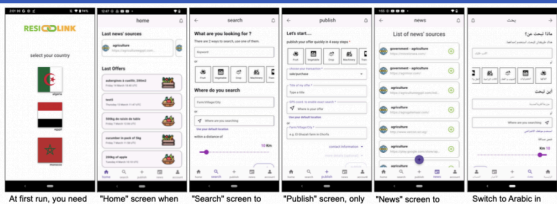
LIVING LAB MEMO

QUICK START



Enter the name of your farm in your account and it will automatically be used when you publish an offer

Enter your main activity to facilitate identification of offers that might be interesting for your activity



At first run, you need to select your country

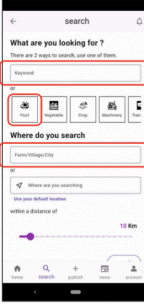
"Home" screen when not logged in with user account

"Search" screen to search for offers

"Publish" screen, only available when logged in with user account

"News" screen to select News sources you want to bookmark

Switch to Arabic in the Account/ Language menu



You can quickly search by "Keyword", for instance "apple"

or search by category

you can also indicate a location, for instance "UPPA", to get all offers with location matching "UPPA"

→ UPPA FARM 1
→ Near UPPA
→ At UPPA close to Pau

In the "Title of my offer", try to indicate in a synthetic manner what your offer is:

→ 200kg of green apple
→ 5 cold storage rooms
→ 1 tractor with driver

If you are where your offer is, you can click on < to set the GPS coordinates of where you are now. **Otherwise**, simply indicate the location in "Farm/Village/City"

→ Sidi Ali farm
→ El Ghazali farm in Chorfa

In "more details" you can add more information & photo:

→ gala apple
→ to be picked yourself



THE EVALUATION PROGRAM GUIDE

THE EVALUATION FORM





PRIMA
This project is part of the PRIMA Programme supported by the European Union


RESILINK

INCREASING RESILIENCE OF SMALL HOLDERS WITH MULTI-PLATFORMS
LINKING LOCALIZED RESOURCE SHARING

EVALUATION PROGRAM

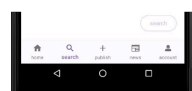
ACET: Arab Center for Entrepreneurship and Technology
ABC: Agricultural Business Center
INRA: National Institute of Agronomic Research
Orange
UNIC: University of Niš
UNIB: University of Belgrade
UNIP: University of Novi Sad
UNPA: University of Novi Pazar
UNPU: University of Novi Pazar
UNPU: University of Novi Pazar

<https://resilink.eu/wp-content/uploads/2024/11/RESILINK-evaluation-program.pdf>




What you need to do?

- As a beta tester, you are asked to use daily the mobile application: search for offers from other farmers, create & publish offers based on your activity, read the news channels, ...
- If you are not a farmer, you are asked to test as if you were a farmer
- Then, you will be asked to provide feedback on the User Interface, functionalities, ...




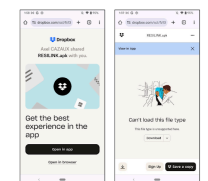
PRIMA
This project is part of the PRIMA Programme supported by the European Union

5/16




Installation of the RESILINK mobile app

- An ANDROID smartphone with Internet connection is required
- Use a QR code scanner app or just the camera on recent phones to scan the following QR code. You will be directed to Dropbox where the app is stored

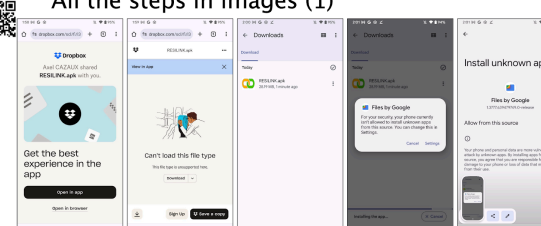



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8/16



All the steps in images (1)



After scanning the QR code, click on "open in browser"


Click on "Download"

Open the Download folder to click on the .apk file

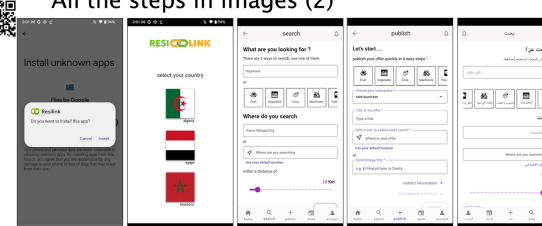
You may need to allow "install from unknown source" in the Settings of your smartphone

PRIMA
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9/16



All the steps in images (2)



Click on "Install"

At first run, you need to select your country

The "Search" screen

The "Publish" screen


You can switch to Arabic in the Account/Language menu

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10/16



Create & publish an offer


- There are only 4 mandatory steps!
- In the "Title of my offer", try to indicate in a synthetic manner what your offer is. Ex:
 - 200kg of green apple
 - 5 cold storage rooms
 - 1 tractor with driver
- If you are where your offer is, you can click on  to set the GPS coordinates of where you are now
- Otherwise, simply indicate the location in "Farm/Village/City". Ex:
 - near Rabat
 - Sidi Ali farm
 - El Ghazali farm in Chorra

We design the app to publish an offer in less than 1min, with as few mandatory information as possible.




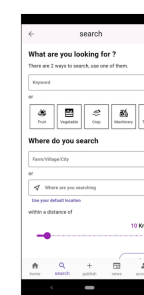
PRIMA
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12/16



Search for offers

- Enter a Keyword. Ex: Apple, Tractor, ...
- Or, select a category
- Then click on Search
- Optionally, you can:
 - Indicate a location in "Farm/Village/City". Ex:
 - Rabat
 - Douar Smara
 - If you are where you want to search for offers, you can click on  to set the GPS coordinates of your search location. Or use your default location defined in your account
 - With GPS information, you can use the cursor to set the maximum distance in km



PRIMA
This project is part of the PRIMA Programme supported by the European Union

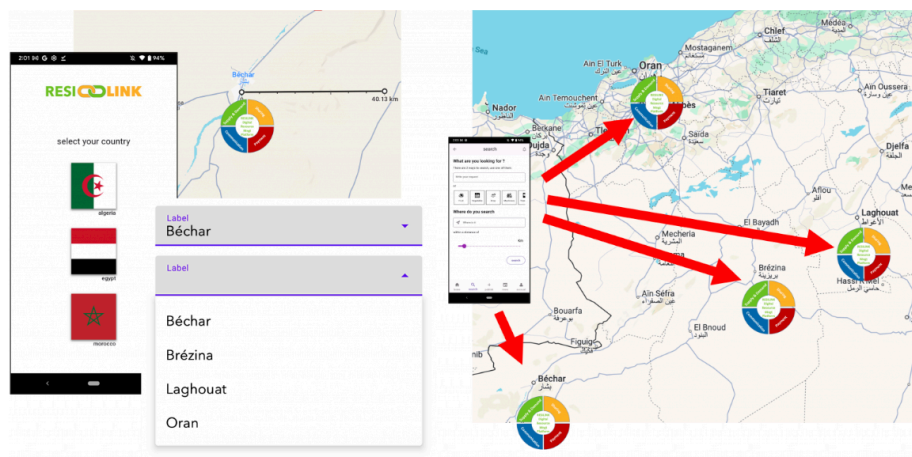
13/16

3.1.4. Results

The Results section (<https://resilink.eu/results>) lists RESILINK important achievements and milestones. The main contributions in this third year are the Evaluation Program and the continuous improvement of the RESILINK platform to implement a decentralized architecture.

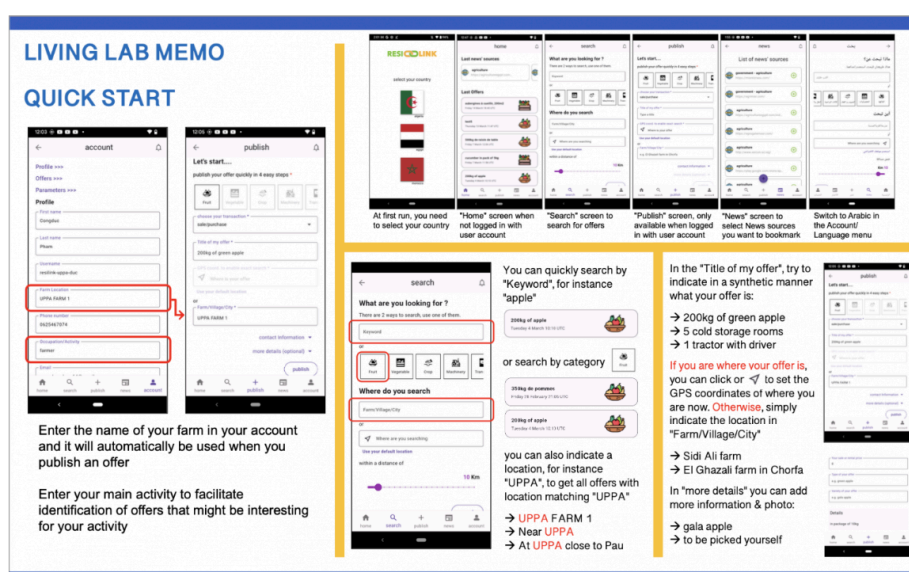
2025

Feb. 2025. The architecture of the RESILINK digital platform allows for a fully decentralized approach where several servers could be deployed in an incremental manner. Setting up a RESILINK server to locally manage crisis for a dedicated geographical area can be realized in less than 1 hour!

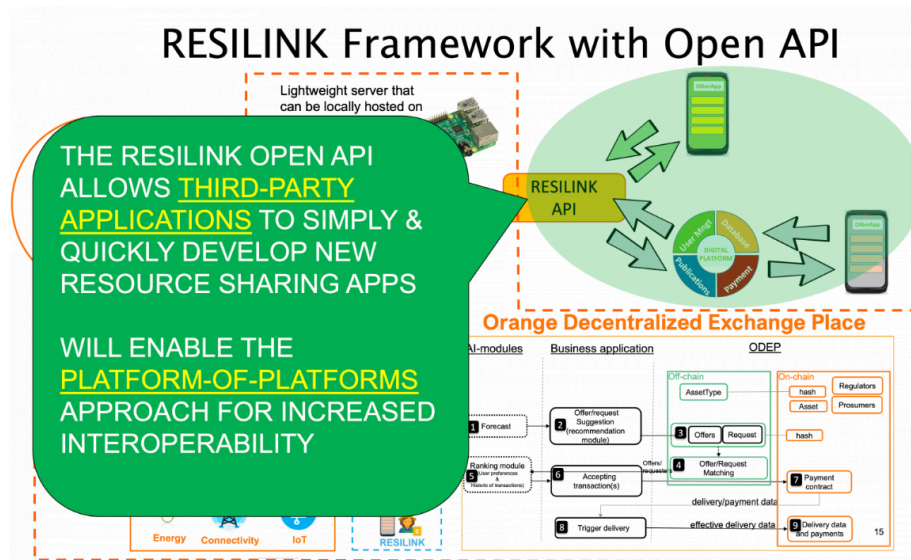


2024

Dec. 2024. With feedback from the Evaluation Program, the RESILINK mobile app has been improved for a more intuitive navigation and more simplicity in managing offers. Living-Lab piloting will start with this update version to be tested by smallholder farmers. See the [Piloting](#) section for more information.

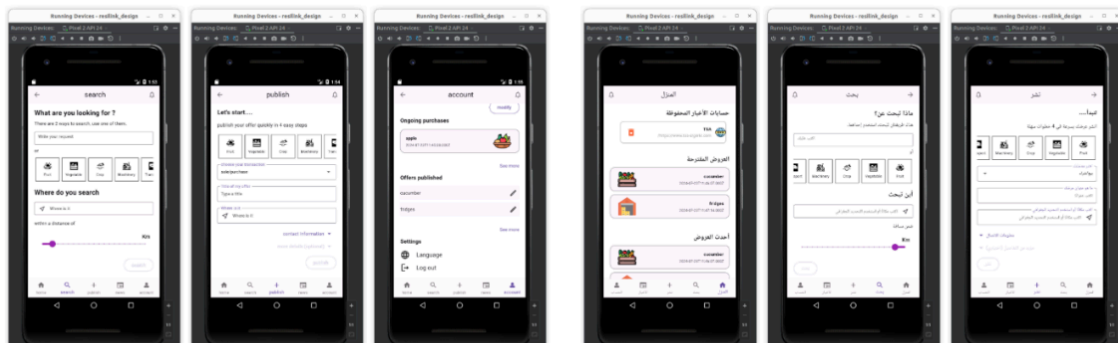


Sep. 2024. RESILINK digital platform published its open API to increase collaboration and interoperability between platforms. The open API will reduce development time & complexity of new platforms. All platforms can fully inter-operate and a new platform can benefit from all the other platforms' communities by sharing users & contents.



Have a glance at the open API and the offered functionalities through the proposed [Swagger interface](#).

June 20th, 2024. The new version of RESILINK mobile app that will be used for the large-scale evaluation program of the RESILINK mobile app to prepare the piloting in Living-Lab mode has been released! Multi-language support to provide the framework for an Arabic version was identified as a critical issue and is thus implemented to offer an Arabic version! See the [Piloting](#) section for more information.



3.2. RESILINK on LinkedIn

On April 13th, 2025, we created a LinkedIn account for RESILINK, after a decision to not use the X (formerly Twitter) channel anymore as X platform is not very suitable for a research project.

The screenshot shows the LinkedIn profile of 'PRIMA RESILINK'. The header features a banner with the text 'RESILINK PROMOTES LOCAL RESOURCE SHARING' and a logo. Below the banner, the profile name 'PRIMA RESILINK' is displayed with a verification badge and the description 'PRIMA project at University of Pau, France'. The location is 'Pau, Nouvelle-Aquitaine, France' and the website is 'https://resilink.eu/'. Navigation buttons include 'Open to', 'Add profile section', 'Enhance profile', and 'Resources'. Two prompts are visible: 'Show recruiters you're open to work' and 'Share that you're hiring'. A 'Suggested for you' section is at the bottom left. The right sidebar shows 'Profile language' (English), 'Public profile & URL', a 'Colas France' promotion, and 'People you may know' with suggestions for Zied KBAIER and Lea Demetz.

4. SUMMARY OF KPIs

Dissemination and Communication Actions	KPIs and Success Indicators	Reached after 3 years
Dissemination Events	<p>Smallholder-oriented events with demonstrations of RESILINK platform and app</p> <p>Visits/meetings to appropriate stakeholders (e.g., local agencies, local Policy Makers, regional agri-food associations, local Digital Innovation Hub, etc)</p> <p>Number of dissemination events organized</p> <p>Aim: organize at least 8 communication & dissemination events to create awareness on the innovative generalized resource sharing approach for the agri-food chain</p> <p>1 scientific day; 1 symposium; 1 conference “Transforming Agri-Food Supply Chain for a Sustainable Future”, 1 RSI webinar, 4 raise-awareness events</p>	8
Smallholders audience reachout	<p>Number of smallholders audience</p> <p>Aim: reach at least 500 smallholders through the dissemination events and the large-scale evaluation of the RESILINK mobile app (at least 200 smallholders for the latter)</p>	about 300 through exhibitions & interviews
Small-scale farmers engaged in piloting tests	<p>Number of smallholders in the Living-Lab piloting program (duration 33 months)</p> <p>Aim: engage at least 40 small-scale farms for Living-Lab Piloting of the RESILINK digital platform</p>	30 for preparation stage 30 for Living Lab
Smartphones	<p>Number of smartphones that can be lent for the Living-Labs and specific evaluation</p> <p>Aim: RESILINK will provision to be able to lend 100 smartphones when necessary</p>	Due to financial issues, we will enrol only smallholders with their smartphones
Scientific peer-reviewed papers in conferences and journals	<p>Number of published peer reviewed papers</p> <p>Aim: publish at least 3 journals and 8 conference papers (of which at least 40% are joint-authored papers between RESILINK partners). All publications will be open access.</p>	3 journal + 4 conferences

Technical Training/Tutorial Materials	Number of Technical Training/Tutorial presentations produced Aim: release at least 10 Technical Training/Tutorial presentations/slides	4
	Number of Technical Training/Tutorial video produced Aim: release at least 6 Technical Training/Tutorial video	4
Project Newsletters	Usage of mailing-lists Number of Project Newsletters produced – Aim: release at least 6 Project Newsletters .	5
Scientific Knowledge Transfer	Number of co-located workshops organised / or with significant presence Aim: organisation of at least 2 co-located workshops	1
	Aim: presence in at least 4 major events	5 (AGRO-IT Day in Meknès; 15th SIAM in Meknès; Intl. Exhibition of Agriculture and Agro-Industries in Béni Mellal 2023 & 2024; SIPSA FILAHA 2024)
	Number of attendees (registered / estimated) Aim: average number of targeted attendees per event is estimated in at least 50 Number of organized webinars – Aim: at least 12 organized webinars	2
Communication Materials	Project logo, design/branding Number of leaflets / brochures produced Aim: Preparation and distribution of 4 different brochures Number of posters – Aim: publish at least 4 posters Number of press releases – Aim: publish at least 4 press releases Number of demonstration videos produced – Aim: produce and publish at least 4 videos	2 4 1 2 promo video, 1 demo video
Website	Website exposure with active cross-referencing from all partner websites Links to project's social network pages will also be available The website will sustain at least 2 further years after the end of the project. Audience: Number of visitors Aim: An average of 1200 visits per year would be a positive result, with at least 40% of users spending more than 2 minutes on the site.	

	Relevant Content: Use of landing pages to measure specific dissemination actions.	
Engagement & Social Media	<p>a) Presence in Social Media Number of existing social media communities relevant to the project Aim: use Social Media channels (e.g., Facebook, Twitter, LinkedIn, YouTube and other useful networks)</p> <p>Number of videos on YouTube – Aim: upload at least 6 Training/Tutorial videos Number of views for videos on YouTube Aim: a total number of views over 150000 views would be a positive result</p> <p>b) Flow of communication, number of posts – Aim: publish continuous information</p> <p>Number of Interviews on Media – Aim: present in at least 3 major events</p>	<p><i>GitHub, web site, YouTube and LinkedIn</i></p> <p>1 promo video (258 view, July 2025), 1 pitch video</p> <p>through web site (News, Post) and LinkedIn</p> <p>1 (AGRO-IT Day in Meknès)</p>
Project showcase events, innovation booth, etc.	<p>a) Project showcase events Aim: at least 2 demonstration stands at international events including PRIMA/EC dissemination mechanisms and events, showing the RESILINK project features.</p> <p>b) Innovation Booth Aim: at least 2 Innovation booths at Exhibition/Fairs (e.g., ITU Telecom World, AfriLab gathering, IST-Africa,...) where RESILINK system can be advertised within a wider community of policy makers and stakeholders.</p>	<p>4 (AGRO-IT Day in Meknès; 15th SIAM in Meknès; Intl. Exhibition of Agriculture and Agro-Industries in Béni Mellal 2023; SIPSA FILAHA 2024)</p> <p>not started yet</p>
Cooperation with external actors & partnerships	<p>Number of cooperations with external actors Aim: initiate at least 5 third-party platforms using RESILINK open API Aim: at least 5 partnerships in the mentoring and pre-incubation program Aim: raise interest from at least 10 entrepreneurs/startups</p>	<p>not started yet</p> <p>not started yet</p> <p>not started yet</p>

Liaison with other projects	Number of collaborations with other projects Aim: at least 2 other PRIMA/EC projects on agri-food chain related issues	7 (INOVFARMER; MED-LINKS; EU4ADVICE; FAIRCHAIN; RECROP; STOPMEDWASTE; FOODWASTOP)
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ACRONYMS LIST

Acronym	Explanation
API	Application Programming Interface
KPI	Key Performance Indicators
ODEP	Orange Decentralized Exchange Place
UI	User Interface
UX	User Experience

PROJECT CO-ORDINATOR CONTACT

Pr. Congduc Pham

University of Pau

Avenue de l'Université

64000 PAU

FRANCE

Email: Congduc.Pham@univ-pau.fr

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