



Thematic Area: Agri-food
Budget: 766 966 €
Duration: 48 months
Project website: <https://resilink.eu/>

State and Coordinator entity:
 FRANCE,
 LIUPPA Computer Science Laboratory
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Other in Consortium:

Partner 1, ORANGE – FRANCE; Partner 2, WAZIUP e.V. – GERMANY; Partner 3, UCM – ALGERIA; Partner 4, INRA – MOROCCO; Partner 5, USMS – MOROCCO; Partner 6, ACICT – EGYPT; Partner 7, ARC – EGYPT

Section 2 – Multi-topic

RIA - Increasing the resilience of small-scale farms to global challenges and COVID-like crisis by using adapted technologies, smart agri-food supply chain and crisis management tools

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

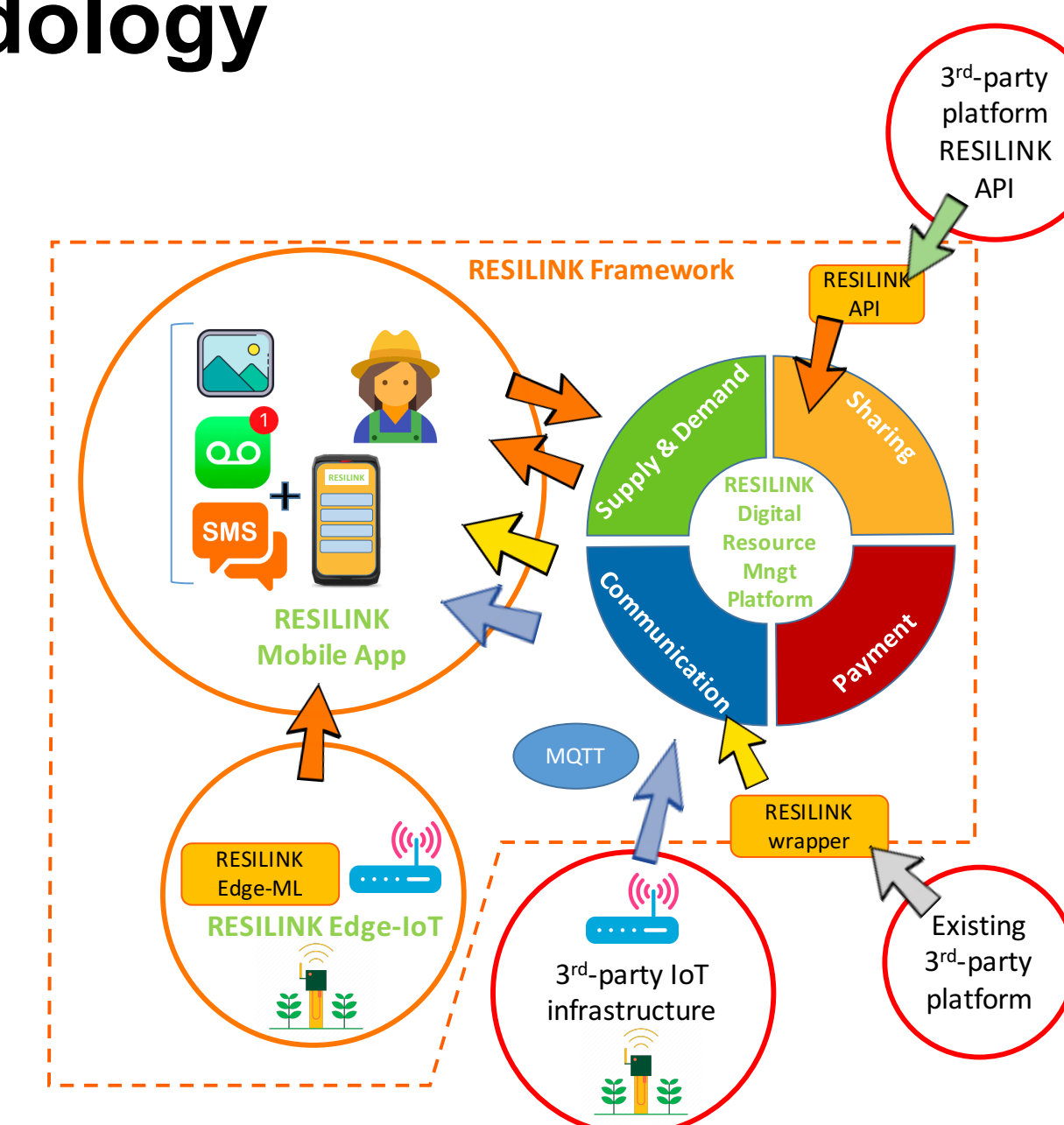
1

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

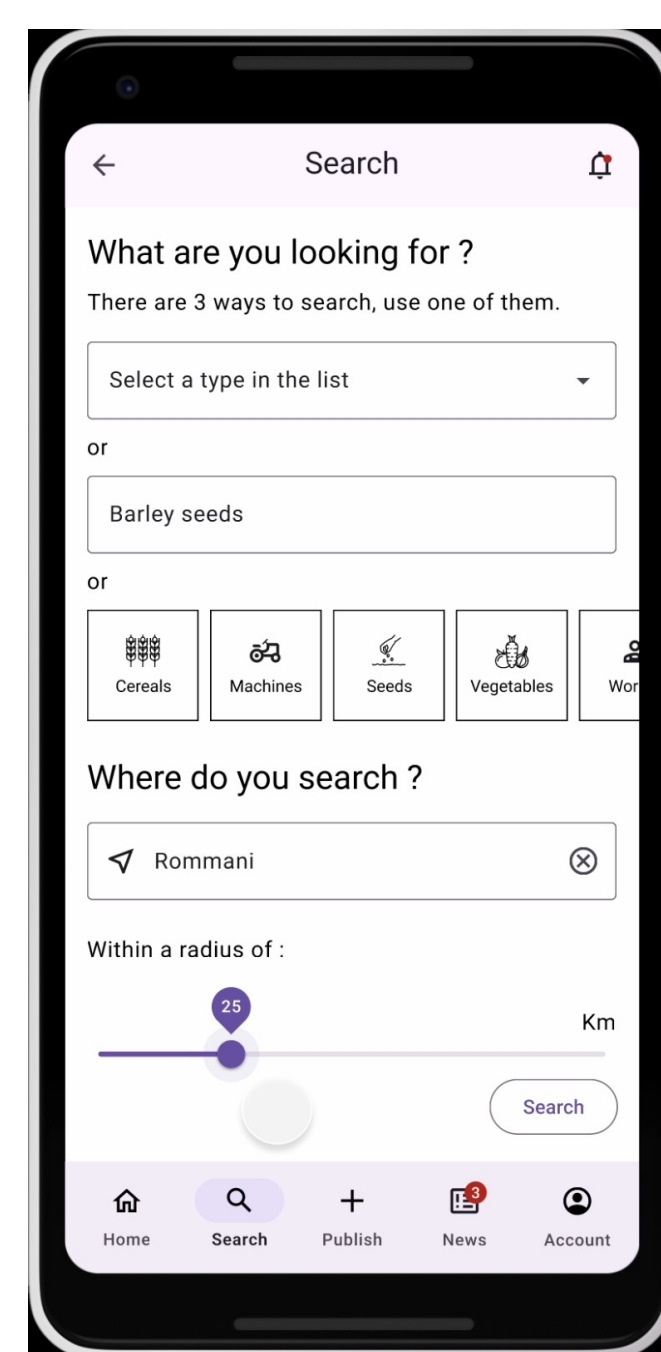
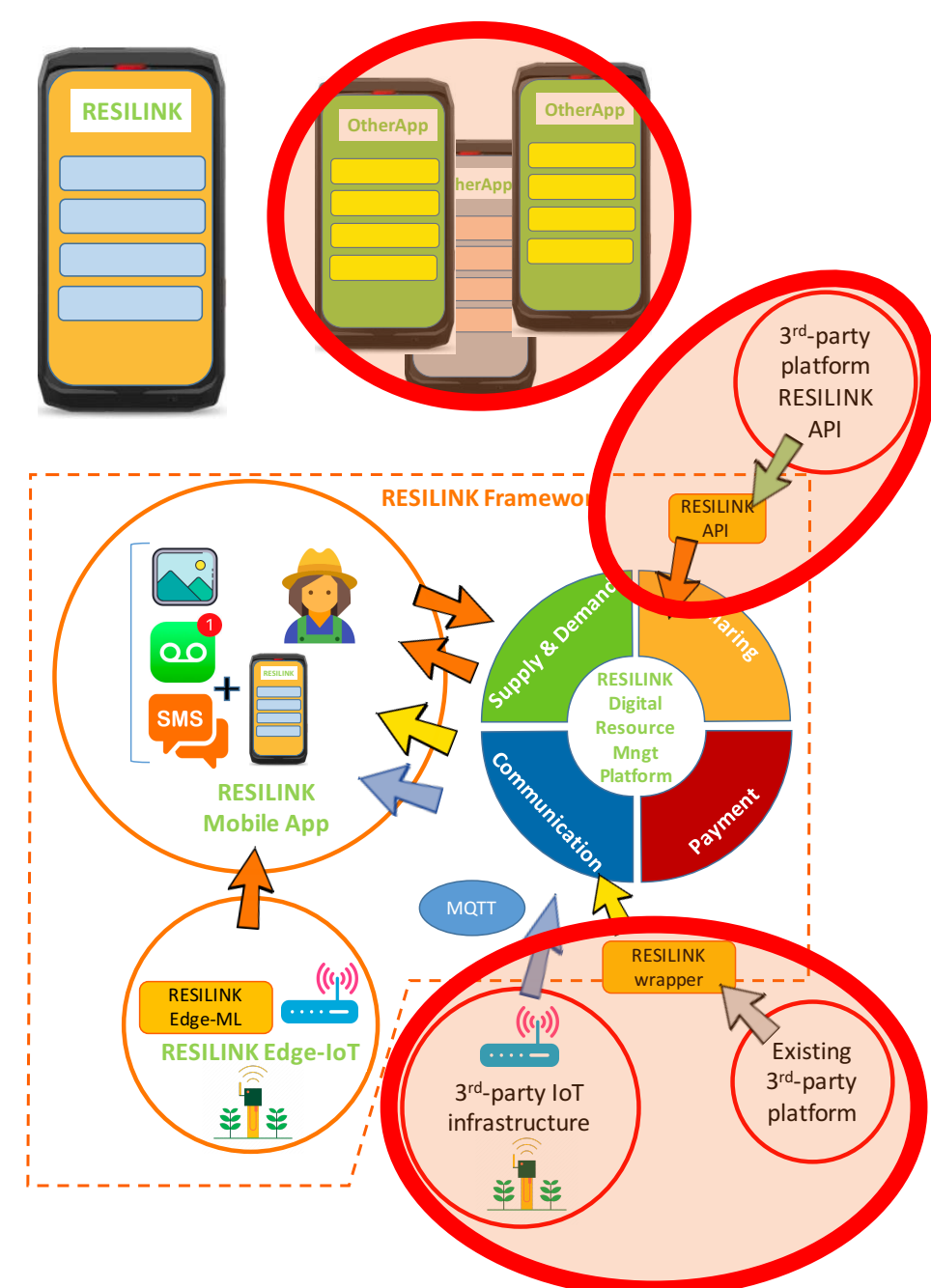
Develop distributed digital resource management platform for real-time exchange of information on territorial resources and supplies & demands; connecting smallholders to new supply, sharing opportunities and distribution channels

3

Use cutting-edge digital technologies to connect fields and farms resources, automatize and add intelligence in the agri-food value chain to provide simple application interfaces adapted to smallholders

3

Key exploitable results



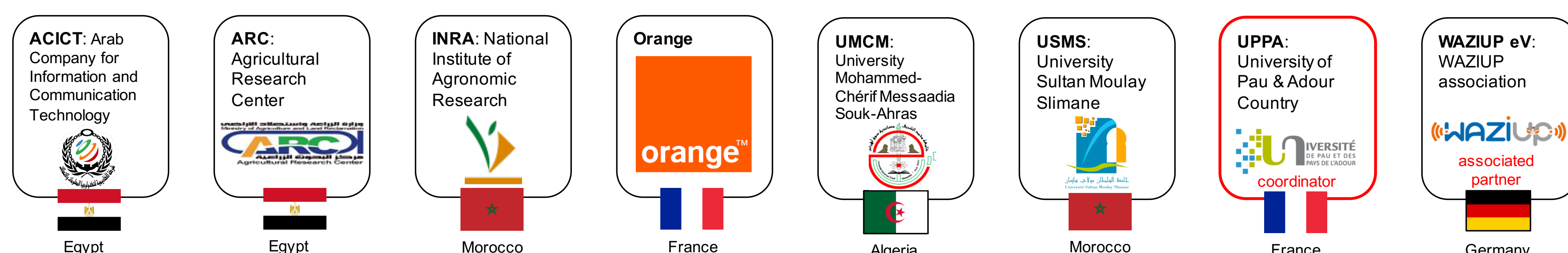
- Software & Services**
A **digital platform** for generalized resource sharing
- Collaborative platform**
A **platform-of-platform approach** for maximum flexibility
- Mobile application**
An intuitive **mobile app** for local resource management
- Advanced techniques**
Innovative **AI techniques** for resource discovery
- Advanced techniques**
IoT process automation methodology for resource sharing

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PARTNERS



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ASRT – EGYPT

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