



# Integrated digital advisory services to smallholder farmers: the case of wheat value chain in Ethiopia

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**Accelerating Research, Innovation, Technology Transfer for African Adaptation to Climate Change.  
High-level dialogue: From Science to Action  
15 Oct 2021, Rabat, Morocco**



## Outline

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Climate change and smallholder farmers

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Decision relevant climate agro-advisories

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Delivery of Digital-Agro-advisory Services

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Integrating digital ag advisory services

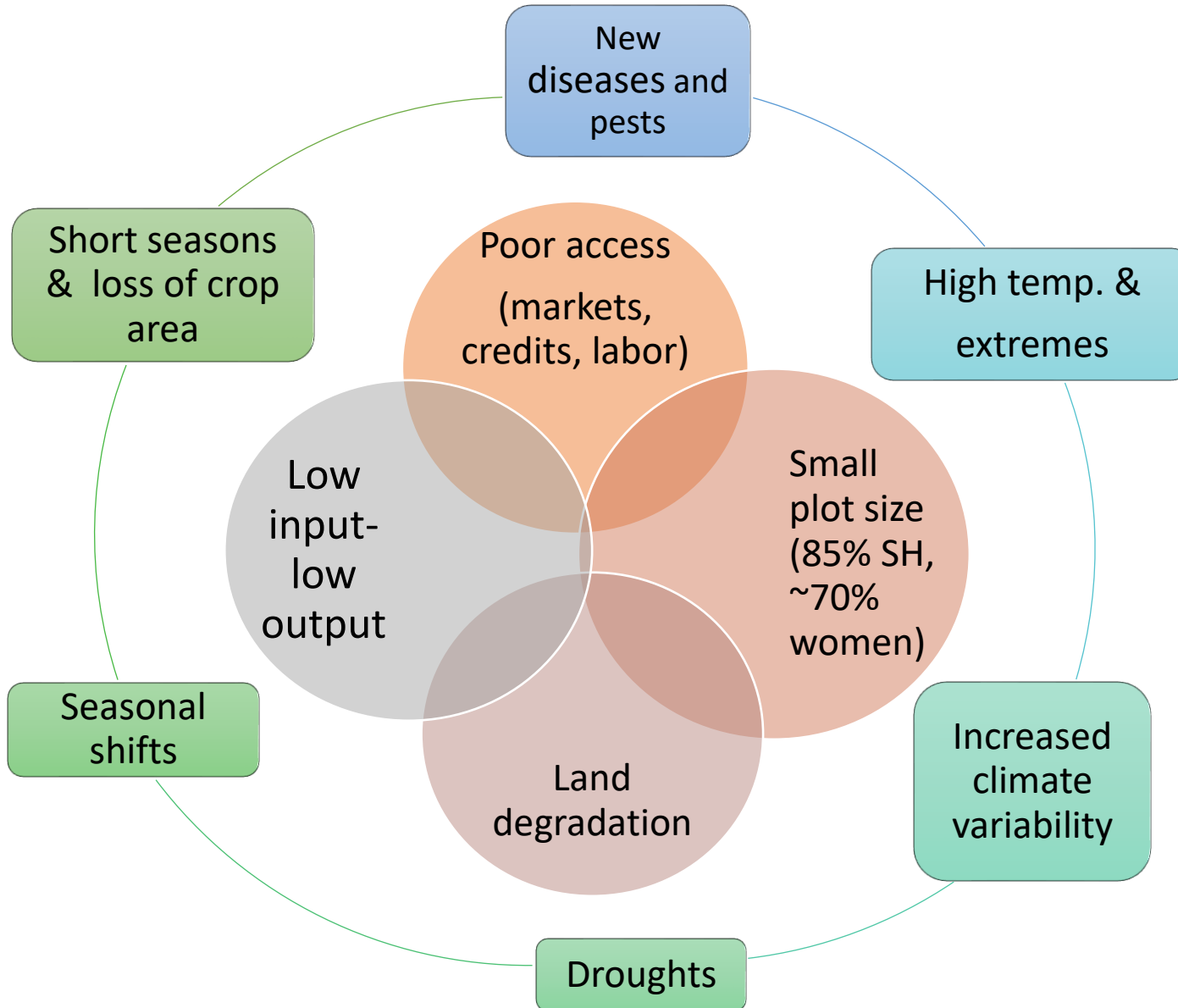
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Conclusion

# Climate change is exacerbating the challenges of smallholder agriculture in Africa



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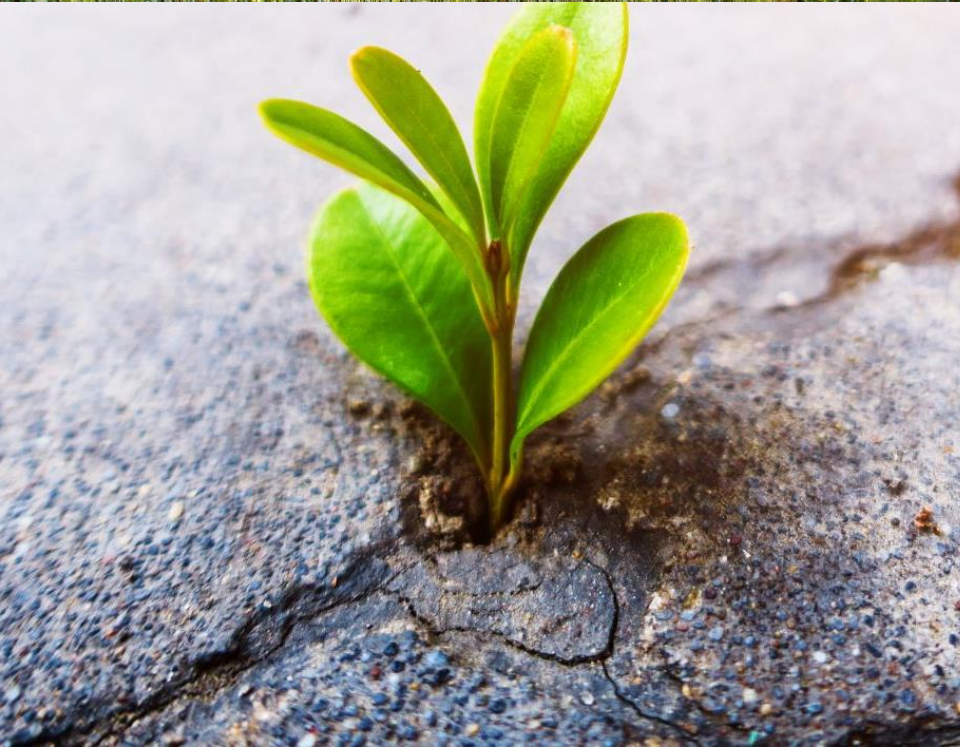
Smallholder farmers are mostly risk-averse

Fail to exploit opportunities during good years

~ 5 million wheat farmers in Ethiopia







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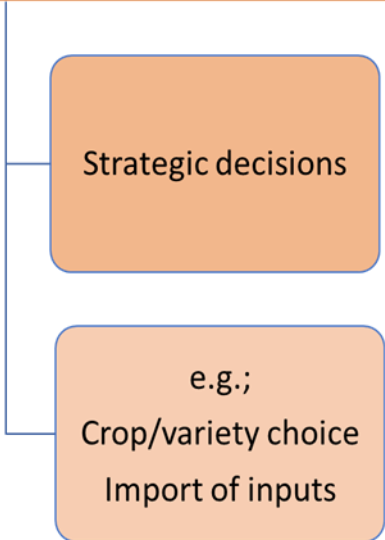
Addressing and managing climate variability & change through technological and institutional innovations is critical for transforming smallholder agriculture.

**One of such innovations is delivering decision relevant digital climate agro advisories**

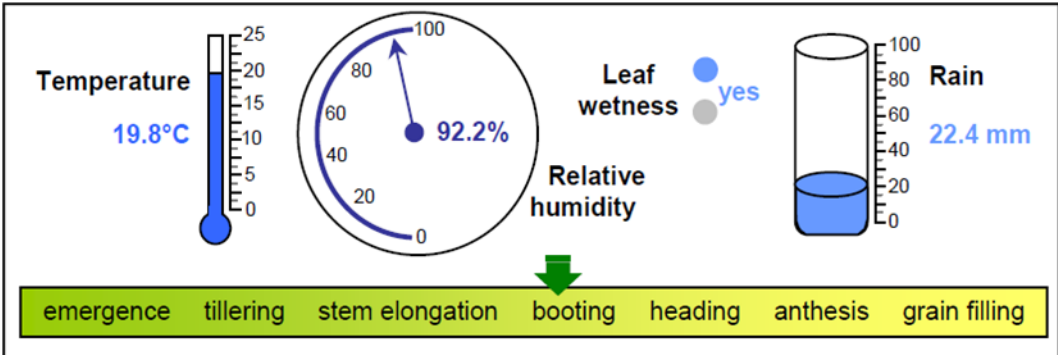
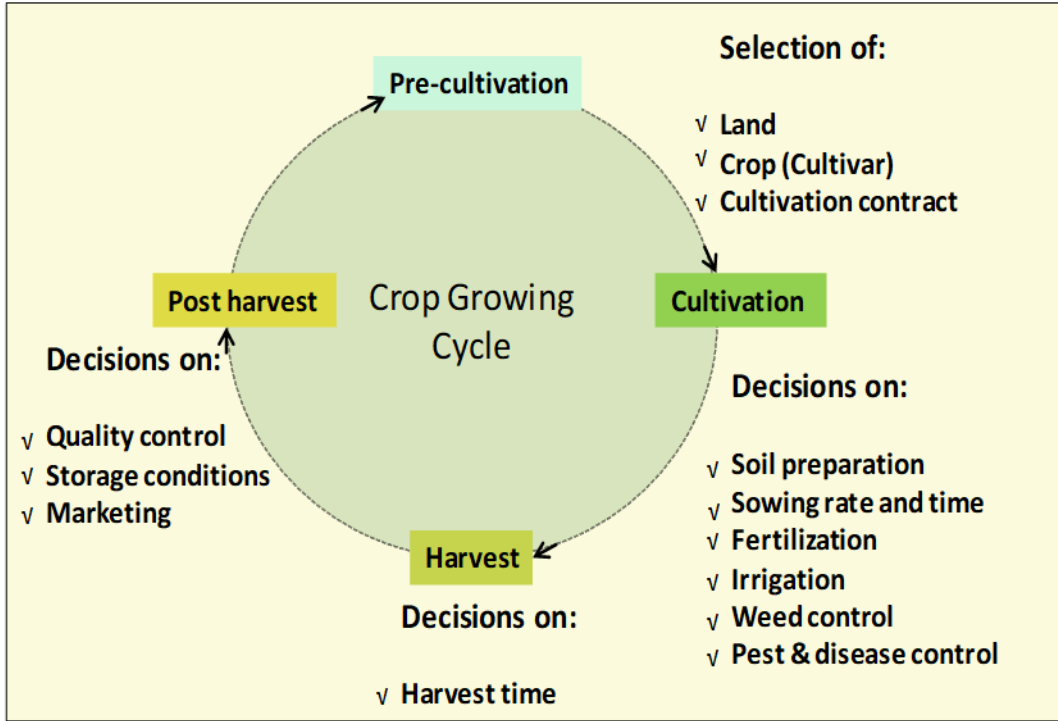
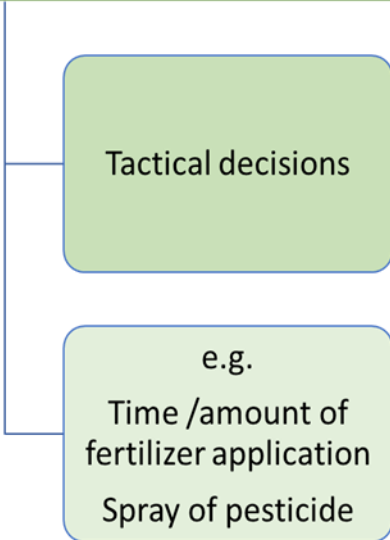
# Decision relevant climate agro-advisories



## Seasonal (3-6 months)



## Operational (1-15 days)





# Delivery of Digital-Agro-advisory Services



## Digital AgroClimate Advisory Platform-EDACaP

Managing Climate Risk to Enhance Adaptive Capacity of Farmers

<p><b>Weather Forecast</b></p> <p>Location Specific 3-10 daily weather forecast for Agriculture.</p>	<p><b>Seasonal Climate Prediction</b></p> <p>NexGEN based Seasonal climate prediction for Agriculture.</p>	<p><b>AgroClimate advisory</b></p> <p>Seasonal Agroclimate Advisory based crop-climate models</p>	<p><b>ENSO Prediction</b></p> <p>Seasonal climate Phase forecast for the next 3 Months.</p>
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Read more

Read more

EDACaP Platform

IR Welcome to EDACaP! How can we help you?

**INNOVATIVE DIGITAL AGRICULTURAL SOLUTIONS**

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YouTube, WhatsApp, LinkedIn, Facebook, Instagram, Twitter icons

Season

Weather

Disease & Pests

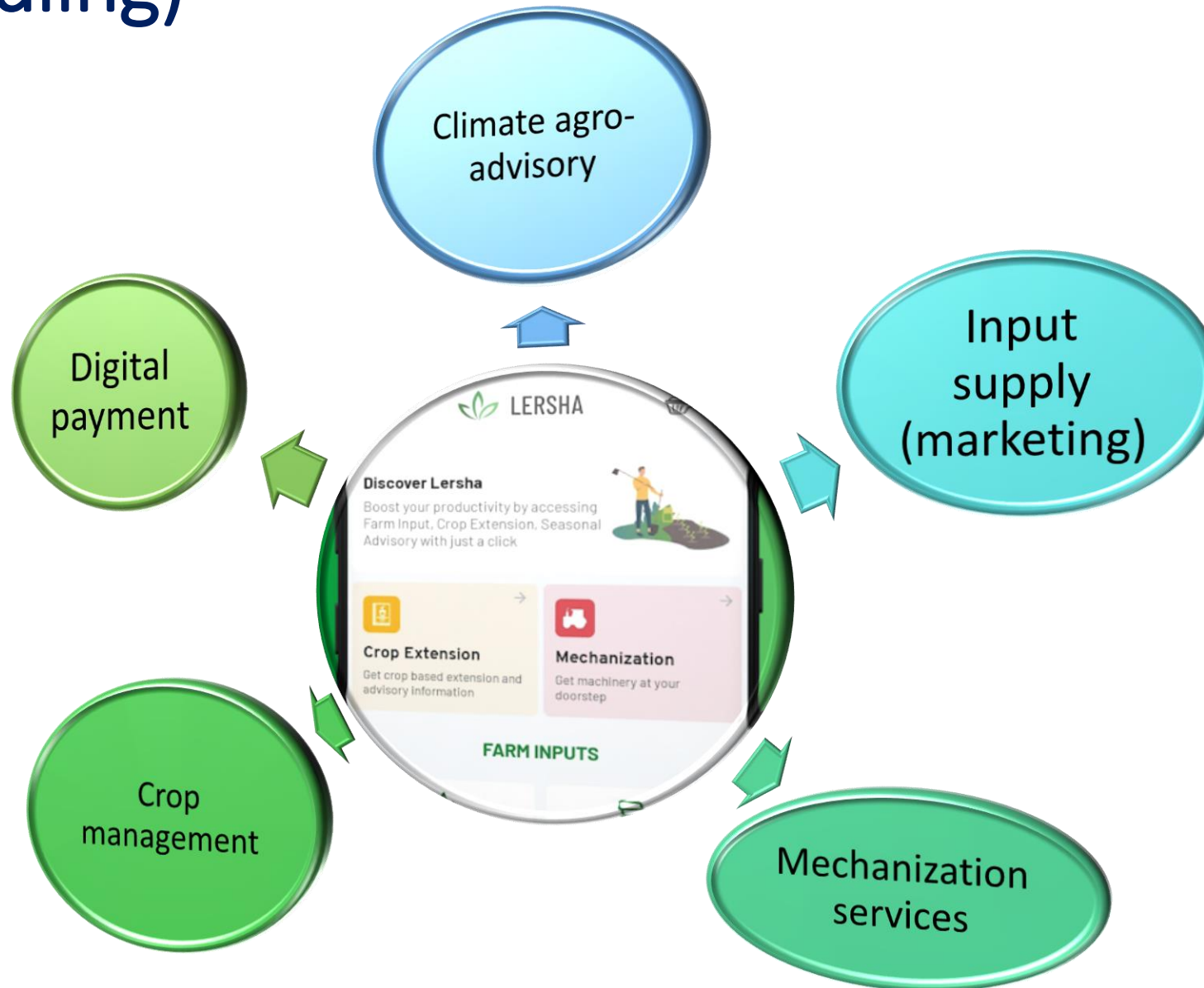
TV

Radio

# Integrating digital ag advisory services (bundling)



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## Target Users

- **Farmers (# 25,000)**
- **Development agents (# 1300)**
- **Agro-dealers (#200)**
- **Policy makers**
- Agro-pastoralists
- Pastoralists
- Experts
- Input suppliers
- Processors
- Transporters

# Concluding Remarks

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Scaling climate agro-advisory services at national level is the way forward.

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Working towards the Ministry of Agriculture (extension service) to own the advisory system (EDACaP)

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Building the capacity of DAs on the use of ICT (ICT-Smart DAs)

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Public-private partnership in digital ag services is critical for scaling

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Strengthening integration/bundling of climate agro-advisory services with other risk management options such as insurance, credit and input delivery systems.







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## Thank you for your interest!

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