



Project Final

2022

Project Reference Number:
CBA2019-07SY-Khan

Project Title:
Pathways to Strengthening Capabilities for
Climate Smart Agriculture in Pakistan

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1. Project information

1.1 Project duration

Actual duration of the project: 1 October 2019 to 30 September 2020 (1 year)

First extension: CovEx1-CBA06-1, 01 October 2020 – 31 March 2021

Second Extension: June 2021 – September 2021

Third Extension: October 2021 – December 2021

1.2 Funding, collaborators and key organizations involved

- Funding from APN: **US\$ 39,978**
- Formerly, LEAD Pakistan extends a support of **US\$ 10,124** in-kind support as a lead implementing partner. Currently, this role has taken by PATCO - PARC (Pakistan Agriculture Research Council) with same commitment.
- Pakistan Agriculture Research Council (PARC) in-kind support **US\$ 5000**
- Climate Change Centre, University of Agriculture Peshawar – in-kind support
- Directorate of Agriculture Extension (Plant Protection), Balochistan – in-kind support

2. Project summary

Pakistan's economy depends on the performance and growth of its agriculture sector. At present, the agricultural productivity is lower than most countries in the region and way below the global averages. Existing archaic practices limit the potential of agriculture growth. This can be linked to lack of access to information on climate smart agriculture (CSA). In this context, PATCO-PARC jointly has implemented the project in partnership with Asia-Pacific Network for Global Change Research (APN), The Agriculture University Peshawar, Khyber Pakhtunkhwa, and Directorate of Agriculture Extension Balochistan on building capacities around Climate Smart Agriculture. Climate smart agriculture (CSA) can substantially reduce climate change impacts. However, limited capacity of agriculture extension departments in Pakistan is one of the major inhibiting factors in mainstreaming CSA in Pakistan.

Narrow down the goal, the project set objectives to 'Enhancing the Capabilities of Provincial Agriculture Service Delivery Organizations (ASDOs) for Climate Smart Agriculture (CSA)' and further 'Embedding CSA capability development in the mandate of Provincial Agriculture Departments'. To meet these set goals, project team has developed a specialized resource kit through a process of curricula review and experts feedback. The final product of CSA resource kit comprises practices and technologies in the context of Pakistan which has been utilised by delivering two professional learning programs on CSA capabilities enhancement for provincial Agriculture Service Delivery Organizations (ASDOs), in Peshawar - Khyber Pakhtunkhwa, and Quetta - Baluchistan.

Furthermore, these ready to use resources has been provided to concerned agricultural departments, key stakeholders and direct beneficiaries i.e ASDOs and ATIs, also available with PARC, shall be utilised as a quick reference manual.

The project's current status:

- Complete
- Proceeding according to work plan and logical framework matrix
- Ahead of schedule
- Behind schedule
- Proceeding with some modifications (Please specify): [Click or tap here to enter text.](#)

2.1 Brief description of any achievements you would like to highlight

- CSA Resource Kit: a training cum reference manual, which is a ready to use resource for front-line agriculture officers. This also include 05 CSA knowledge products for farmers, available in local language.
- Two professional training batches of ASDOs on Climate Smart Agriculture delivered in two provinces – Balochistan and Khyber Pakhtunkhwa. District Agriculture Officers were the direct beneficiaries.

3. Project activities

Reporting period: October 2019 – December 2021

3.1 Activities completed.

Following activities has been completed successfully:

- 1) Inception workshop
- 2) Solicitation of nominations and selection of 02 cohorts
- 3) Brief Inception Report
- 4) Developed CSA Reference Manual i.e CSA Resource Kit
- 5) Developed / Translated 05 CSA Knowledge Products i.e CSA Resource Kit
- 6) Expert review of existing curricula and feedback
- 7) Expert review, and finalisation of CSA Resource Kit
- 8) 02 CSA Professional Trainings of District Agriculture Extension Officers
- 9) Training Evaluation Report
- 10) Published CSA Resource Kit – provided access to key stakeholders
- 11) Mainstreaming CSA – A National Level Consultation Workshop
- 12) National Level Consultation Workshop - Summary Report
- 13) Final Technical Report

3.2 Adjustments or changes to the timeline of activities (if any)

Due to the Global Pandemic-COVID-19, Pakistan observed a strict lockdown, which hampered the pace of project activities and timeline. Furthermore, the previous implementing organisation (LEAD Pakistan) also stepped down from the role and PATCO-PARC took the charge following an approval by the APN.

Consequently, following changes were made: 1) APN approved PATCO-PARC as new implementing partner and granted extensions to complete the project. 2) Deliverables i.e curricula review and development of CSA resource kit, 02 trainings, 01 national consultation, were organised as per new extended timeline – December 2021.

3.3 Challenges or issues

As per the initial project design, all of the project activities should have been completed within 01 year, however, COVID-19 and transfer of the project to a new implementing partner, activities were significantly delayed which required extra time and resources. The project team and collaborator's support made it possible to complete all agreed tasks, which is indeed commendable.

4. Project outcomes

4.1 Outputs and outcomes

Outputs	Outcomes
<i>1- Development of CSA Resource Kit: CSA Reference Manual and 05 CSA Knowledge Products</i>	<i>Ready to use resources has been developed that benefited key stakeholders and enhanced institutional capacities through knowledge transfer, furthermore, led to improved skills and productivity. These resources would vastly utilised in future as reference material at ASDOs.</i>
<i>2- 02 CSA Training Workshops: Training of District Agriculture Extension Officers</i>	<i>Improved institutional capacities of ASDOs and benefited farmers. This training further led to improved knowledge and communications on CSA and capacitated Agriculture Officers to make social and economically viable choices in farming and make recommendations for farmers.</i>
<i>3- Review of Curricula of Agriculture Training Institute (ATIs)</i>	<i>The review process has improved CSA Resource Kit by filling knowledge gaps in existing curricula. The Resource kit has benefited ASDOs and ATIs through bridging knowledge gaps and enhancing institutional capacities.</i>
<i>4- National Consultation on Capacity Building: Mainstreaming Climate Smart Agriculture</i>	<i>Improved national capacities on CSA through sharing knowledge, resources, and project experience with top academia, researchers, policy makers and key stakeholders through consultation workshop at national level.</i>

4.2 Key facts/figures

- *01 CSA Reference Manual has been developed in country context, which is first of its kind ready to use resource for Agriculture Officers and ATIs.*
- *05 CSA Knowledge Products developed and available in local language for farmers*
- *31 District Agriculture Officers trained through professional CSA training programs*

5. List of pending project deliverables

All agreed activities and deliverables has been completed.

6. Future directions

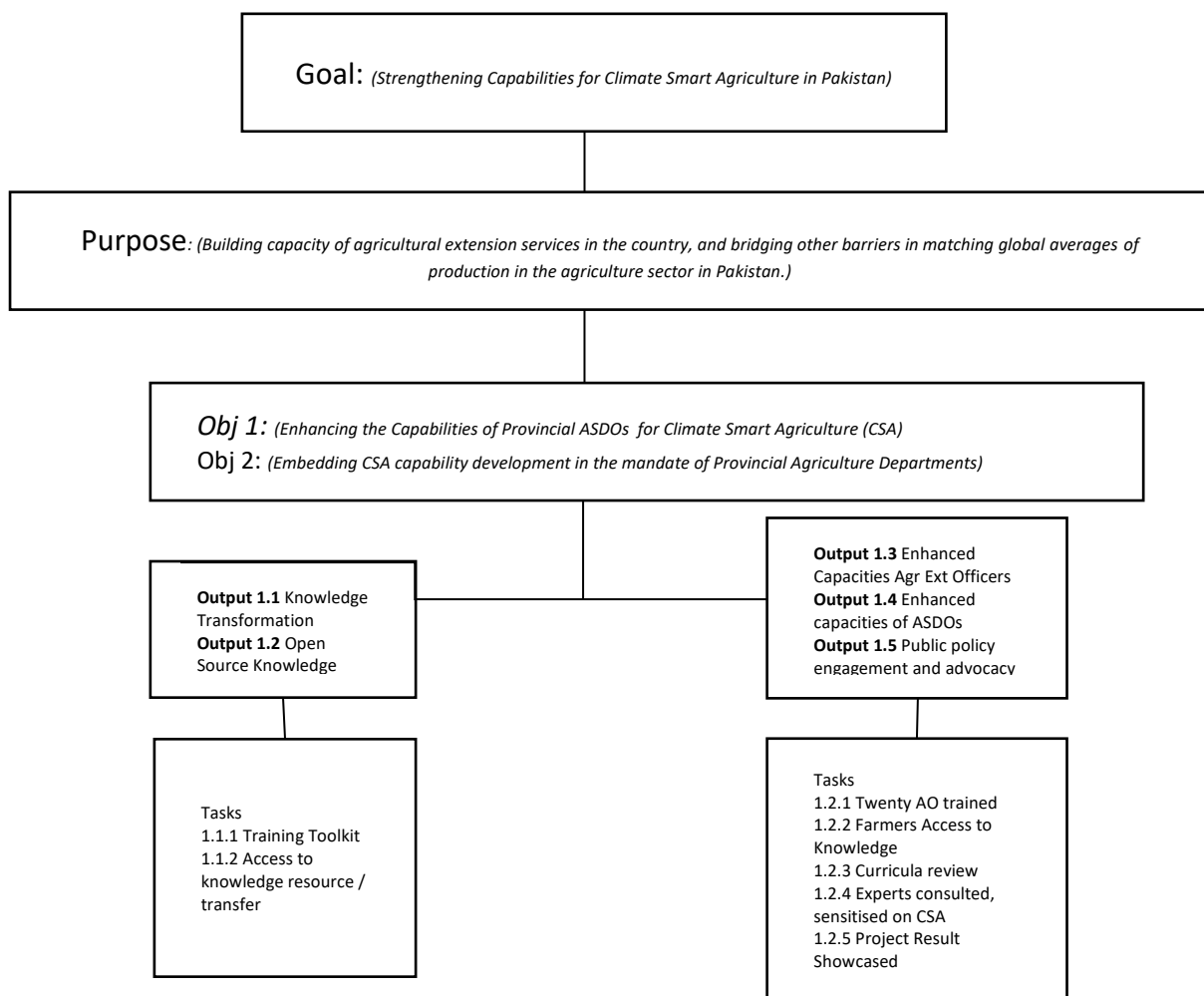
For the sustainability of the project, firstly, PATCO-PARC has embedded CSA capacity building in the curricula of the ATIs would ensure that the advisory to farmers continues to be cognizant of CSA needs.

The PARC is a leading national institute on agricultural research and advisory. As an implementing partner of this project, would facilitate flow of knowledge within country as well as any further extension or replication of this project in other provinces if initiated by the APN.

Under this project, a communication linkages between ASDOs and PARC has been established and PATCO-PARC will ensure flow of latest information / knowledge. To facilitate this channel of communication, PATCO-PARC will not only facilitate project partners but also of thematic experts on agriculture and climate change in needs of information.

Lastly, the resources of the project are accessible openly to the public so that learnings from this project can be used further to support CSA adoption in the country.

7. Special requirements



Briefly explain the activities, outputs and outcomes achieved to date (200 words).

The project has successfully completed all activities and key milestones By the deadline of December 2021.

Following the project design, a Training toolkit has been finalised, CSA knowledge resources and background studies pool created, physical copies as well as soft copies of toolkits and CSA knowledge products were provided to Agriculture Officers to further deliver at the grass-root level.

These ready to use resources have benefited key stakeholders and enhanced institutional capacities through knowledge transfer, furthermore, led to improved skills and productivity of ASDOs and the sector.

Project delivered two CSA profession training workshops for districts agriculture officers where 31 officers were trained that Improved institutional capacities of ASDOs and benefited farmers. This training further led to improved knowledge and communications on CSA and capacitated Agriculture Officers to make social and economically viable choices in farming and make recommendations for farmers. A national consultation workshop has been organized on Mainstreaming CSA that has sensitised policy makers and improved capacities on CSA through sharing knowledge, resources, and project experience with top academia, researchers, policy makers and key stakeholders through consultation workshop at national level.

Acknowledgement

- Donor: Asia-Pacific Network for Global Change Research (APN)
- Implementing Organization: PATCO-PARC
- Former Implementing Partner: LEAD Pakistan
- National Partner: Pakistan Agriculture Research Council (PARC)

Provincial Partners/Collaborators:

- University of Agriculture Peshawar, Khyber Pakhtunkhwa
- Provincial Departments of Agriculture, Khyber Pakhtunkhwa and Balochistan
- Provincial Agriculture Training Institutes, Khyber Pakhtunkhwa and Balochistan
- Agriculture Extension, Khyber Pakhtunkhwa and Baluchistan Provinces.

Appendices

- All project products produced.
 - CSA module book _ 08 Apr 2022 (in attachment)
 - 5 CSA Knowledge Products – translation (in attachment)
 - 001 _ EVENT UPDATE _ 510 _ 03 (in attachment)
 - Final Technical Report SS_ 09 FEB_ 2022 (in attachment)

- List of young scientists involved in the project. Include their name, institution and contact details.
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