



## PROJECT IMPLEMENTATION PLAN

Reference No.: 466

<b>Date of Issue</b>	27 August 2024
<b>Project Code</b>	21-CP-40-SP-DMP-C-VN02
<b>Title</b>	Study Mission on Improvement of Productivity in Greenhouse Vegetable Production
<b>Timing</b>	16 October 2024–18 October 2024
<b>Hosting Country(ies)</b>	Japan
<b>Venue City(ies)</b>	Tokyo
<b>Modality</b>	Face-to-face
<b>Implementing Organization(s)</b>	APO Secretariat
<b>Participating Country(ies)</b>	Vietnam
<b>Overseas Participants</b>	7
<b>Local Participants</b>	Not Applicable
<b>Closing Date</b>	Not Applicable
<b>Remarks</b>	Not Applicable

<b>Objectives</b>	Observe and learn about best practices of microclimate control in greenhouses in Japan; learn from and network with selected organizations in Japan to maximize the use of microclimate control systems; and understand additional systems of data collection and analysis in microclimate-controlled greenhouses.
<b>Rationale</b>	Vegetable demand in Vietnam has diversified as more produce is being processed, frozen, and exported. On the other hand, labor productivity in vegetable production in Vietnam is low because many workers are from local ethnic groups in remote areas but enjoy stable salaries, with good benefits and allowances. Therefore, it is necessary to enhance productivity and introduce cost reduction measures.
<b>Background</b>	<p>With the support of a special cash grant from the Government of Japan, the APO initiated a demonstration farm project in October 2022 on Improvement of Productivity in Greenhouse Vegetable Production. This project aims to demonstrate microclimate control systems used by Japanese greenhouses and help farmers in Vietnam utilize the systems. This will promote labor productivity and sustainability in vegetable production in Vietnam. The Garden Mountain Joint Stock Company was selected as a demonstration company under the project.</p> <p>Study missions are conducted for the beneficiaries to understand the mechanisms of control and microclimate data collection and analysis by referring to selected farms and plant factories in Japan. The first study mission was held from 8 to 10 February 2023, and participants learned about and observed best practices before installing microclimate control systems. The system was installed after the mission and is currently in operation. This project is the second study mission after the installation of the equipment where participants consider how they could enhance the use of microclimate controls in greenhouses. They will also learn about additional systems in Japan.</p>
<b>Topics</b>	Introducing microclimate control systems in Japan; Discussing the current status of implementation and the next steps; Analysis of microclimate control data using graphs; and Visits to farms with microclimate control systems and a related food factory.
<b>Outcome</b>	Enhanced understanding of the systems of data collection and analysis in microclimate-controlled greenhouses and improving vegetable productivity in Vietnam.
<b>Qualifications</b>	Staff of the Vietnam National Productivity Institute, Department of Standards, Metrology and Quality of Lam Dong Province, Lam Dong Crop Production and Plant Protection Sub-department, and Garden Mountain Joint Stock Company working on the Demonstration Project on Improvement of Productivity in Greenhouse Vegetable Production.

Please refer to the implementation procedures circulated with this document for further details.



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