

Cooperation Menu: Program for Sustainable Productivity Growth that Combines Environmental Protection and Farmland Development in Brazil

"Co-creation of a new ecosystem for environment and food by Japan and Brazil"

As of May 2026
International
Cooperation Bureau
MOFA

Development Objectives

- Brazil hosted COP30 in November 2025 and has recognized environmental and climate change measures through addressing deforestation in the Amazon as one of its most urgent and top-priority issues, aiming to achieve net-zero deforestation by 2030. To achieve this goal, it is necessary to (1) improve technology for accurate monitoring and forecasting of deforestation, and (2) establish effective alternative measures for farmers as well as the financial and technological bases to make these measures possible.
- The program aims to contribute to the stabilization of the global supply of agricultural products by enabling the improvement of the sustainability of Brazil's production capacity for agricultural products and agricultural system in a way that takes into consideration environmental protection and climate change, and also by accelerating the development of related industries and stimulating the economy of Brazil.

Development Scenario

- Establishing monitoring and forecasting mechanism of illegal deforestation utilizing Japanese satellite and digital technology, as well as promoting efficient soil improvement and increasing productivity of degraded pastures through technological development by private sectors and research institutions of Japan and Brazil.

Proposal of Possible Cooperation

1. Improving monitoring capacity for forest conservation and restoration

- Contribute to forest conservation and restoration in the Brazilian Amazon by supporting accurate monitoring and forecasting of illegal deforestation utilizing JAXA's satellite images and analysis technology, as well as monitoring forest restoration through agroforestry.

2. Support for degraded pasture improvement

- Finance soil conditioners, agricultural machinery, storage facilities, and other necessary costs for agricultural producers to improve low-productivity pastures into quality farmland. In this process, ODA loans will be used as a catalyst to increase the mobilization of funds by other countries and international organizations:

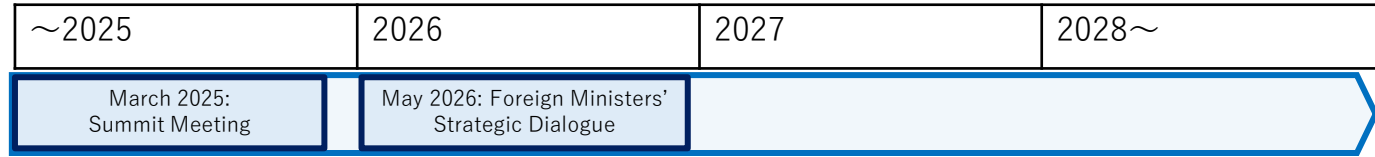
- Through JICA's TSUBASA program etc., utilize technologies related to soil improvement as well as satellite image analysis for farmland monitoring, possessed by Japanese private companies and startups.

- Utilize farmland owned by Japanese private companies as a pilot site for the project, which will demonstrate the Japanese company's technology for improving degraded pastureland in cooperation with the Ministry of Agriculture, Forestry and Fisheries (MAFF).

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Schedule and Resource Input (expectation) :



Improving monitoring capacity for forest conservation and restoration

- Monitoring of illegal deforestation utilizing satellite images
- Forecasting deforestation
- Monitoring forest restoration

Project for improving control of illegal deforestation through advanced SAR and AI technologies in the Brazilian Amazon

Project for Capacity Development for Forest Monitoring and Restoration with Advanced Technologies in the Brazilian Legal Amazon

Demonstration Survey for the Recovery of Productivity through Agroforestry (MAFF)

Support for degraded pasture improvement and Creation of new value chains

- Support for soil improvement
- Utilization of Japanese companies' technologies
- Demonstration projects on farmland by Japanese companies

Advisor for the Program on Recovery and Conversion of Degraded Pastures into Sustainable Agricultural Field

Project for Recovery and Conversion of Degraded Pastures into Sustainable Agricultural Field in the Cerrado Region

Cooperation Project for the Recovery of Degraded Pastures in Brazil (MAFF)

Project for Recovery and Conversion of Degraded Pastures into Sustainable Agricultural Field

Promote participation of Japanese companies

