

EYES IN THE SKY

Landscape approach for sustainable intensification of central plains of Myanmar

Background

Agriculture is the key sector to contribute to sustainable economic growth in Myanmar. The rapidly-changing agricultural economy of Myanmar offers an opportunity to examine what landscape and food system opportunities can contribute to a healthy environment and well-nourished people.

Sustainable Intensification through Agricultural Development Research Project (ADSP)

IRRI is working closely with Ministry of Agriculture, Livestock and Irrigation (MoALI) through the Department of Agriculture (DoA) on ADSP project. Financed by the World Bank, the ADSP project target to increase the crop yields and cropping intensity.

Landscape approach for sustainable intensification

The diverse agroecological environment in the country has a bearing on agricultural practices and technological choices and opportunities for a transition to more sustainable production and healthier diets. With DoA, IRRI is using landscape approach for understanding the heterogeneity of landscape, and stakeholder, and introducing options for sustainable intensification at irrigation scheme level.

Using advance science of Geo-Information System (GIS) and remote sensing, the project is monitoring the change in land-use pattern (cropping pattern) and cropping intensity. Coupling with farmers interviews and other ground-truthing tools, the project is assessing the impact of irrigation infrastructure development and understanding the constraints to sustainable intensification

Technologies to catalyse the change

