

| | |
|-------------------------------|---|
| Category | : International Rice Research Conference |
| Select Theme | : Sustainable and equitable farming systems |
| Endorsement email | : |
| Keyword 1 | : Farm diversification |
| Keyword 2 | : Sustainable intensification |
| Keyword 3 | : |
| Title of Entry | : Sustainable intensification of rice-based systems with potato in Eastern Indo-Gangetic Plains |
| Presenting author | : Marcel Gatto |
| Presenting author email | : m.gatto@cgiar.org |
| Co author 1 | : Guy Hareau |
| Co author 2 | : Athanasios Petsakos |
| Co author 3 | : |
| Co author 4 | : |
| Co author 5 | : |
| Co author 6 | : |
| Co author 7 | : |
| Co author 8 | : |
| Co author 9 | : |
| Co author 10 | : |
| Co author 11 | : |
| Co author 12 | : |
| Co author 13 | : |
| Co author 14 | : |
| Affiliation presenting author | : International Potato Center |
| Affiliation 1 | : |
| Affiliation 2 | : |

| | |
|--------------------------------------|-------------------------------|
| Affiliation 3 | : |
| Affiliation 4 | : |
| Affiliation 5 | : |
| Affiliation 6 | : |
| Affiliation 7 | : |
| Affiliation 8 | : |
| Affiliation 9 | : |
| Affiliation 10 | : |
| Affiliation 11 | : |
| Affiliation 12 | : |
| Affiliation 13 | : |
| Affiliation 14 | : |
| Select only one type of presentation | : 15 minute oral presentation |

Abstract : In many parts of Asia food security and poverty remains an issue even though arable land is available to produce nutritious food. Sustainable intensification of agricultural systems has been proposed to produce more outputs on same land area whilst minimizing environmental degradation. Tradeoffs, however, are inevitable and evidence thereof is scant. In this study, we analyze effects of sustainable intensification of rice-based systems with potato and focus on the Eastern Indo-Gangetic Plains of India and Bangladesh. A literature review, expert consultation, and an economic surplus exercise are used to address our objective. We find that sustainable intensification has a huge potential and positive welfare effects. Socio-economic tradeoffs, especially for labor, need to be considered and balanced out. Input efficiency needs to increase for instance by improving farming practices to reduce negative environmental effects.

[Read Less»](#)

Uploaded Files »

No files found.