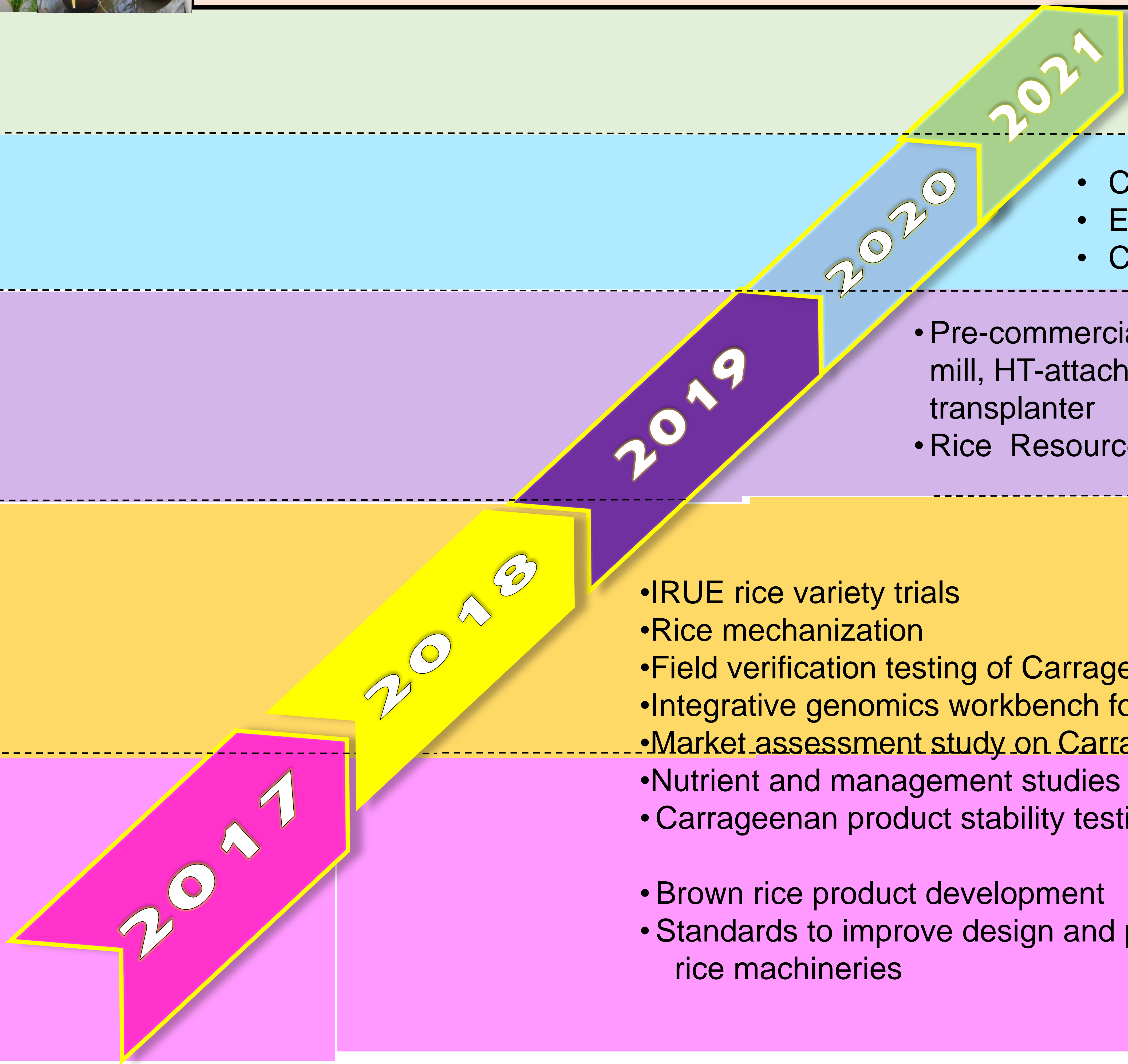


RICE

R&D Roadmap



- 34% increase in rice production (from 4.02 to 5.40 t/ha in irrigated areas).
- Prolonged shelf life of brown rice from 1-3 months to 6-9 months
- 25% volume of water saved in project sites.



- Technology upscaling (STCBF/STMF) carrageenan in rice, IRUE
- Carrageenan and IRUE publication

- Computational database system for rice
- Establishment of rice machinery facilities
- Commercial hubs for Carrageenan PGP

- Pre-commercialization studies: Carrageenan PGP, Impeller-type rice mill, HT-attached transplanter and harvester, and riding-type transplanter
- Rice Resource Database System

- IRUE rice variety trials
- Rice mechanization
- Field verification testing of Carrageenan in Rice in selected regions
- Integrative genomics workbench for rice science
- Market assessment study on Carrageenan PFS

- Nutrient and management studies in rice
- Carrageenan product stability testing
- Brown rice product development
- Standards to improve design and performance efficiency of rice machineries