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Harmonised life cycle inventories of Swiss agricultural production for sectoral and food-system modelling

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Poster Spotlight - Life Cycle Inventory I

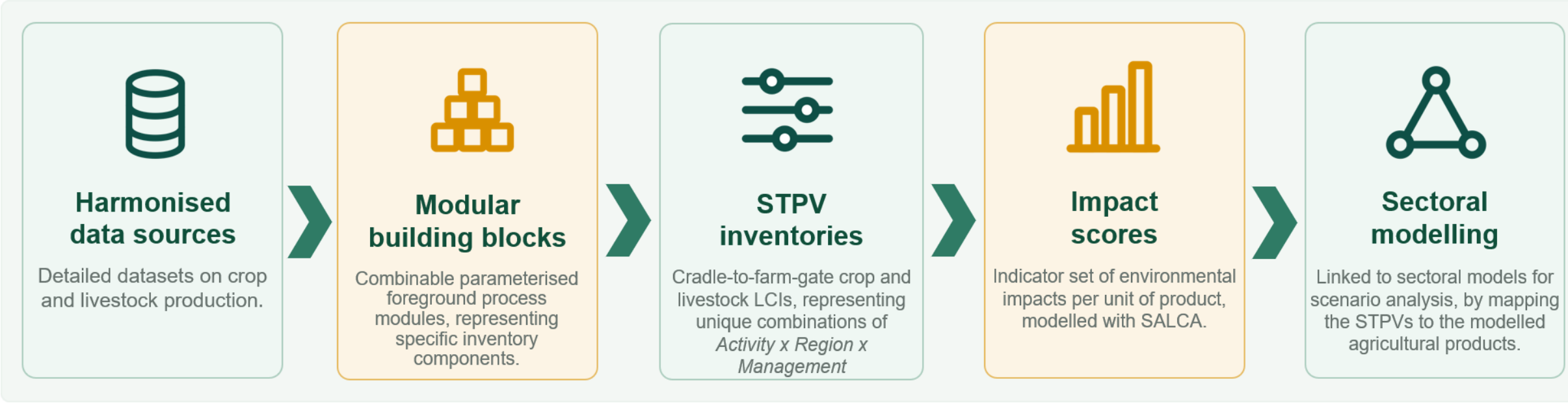
Standard Production Variants (STPV)

Harmonised LCI framework of agricultural production in Switzerland that can be consistently linked to multiple sectoral and food-system models:

- ***Standard -*** data sources and system boundaries (cradle-to-farm-gate) are internally consistent across all LCIs.
- ***Production -*** agricultural activities are defined at the level of individual crops and animal categories (e.g., wheat production).
- ***Variants -*** multiple variants are defined for each crop and animal category to represent differences in biophysical contexts (plain, hill, and mountain regions) and management systems (e.g., conventional, organic, and pesticide-free).

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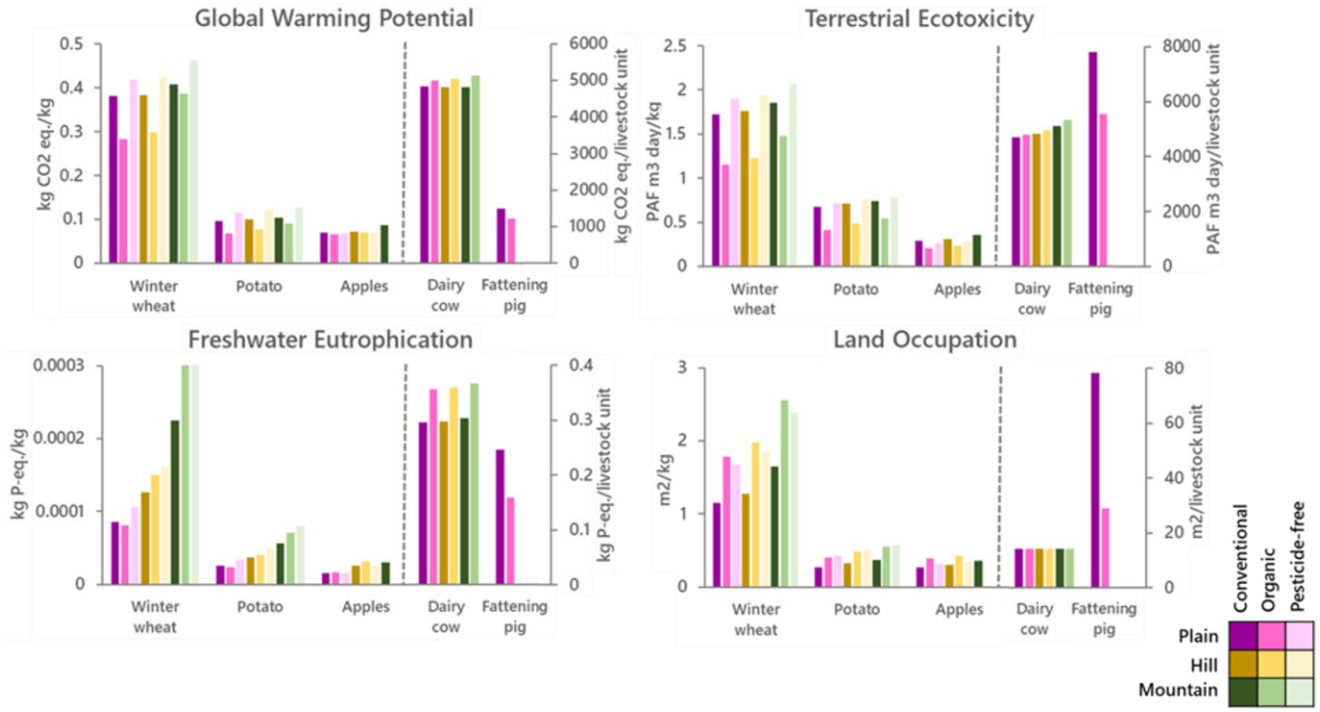
STPV modelling approach



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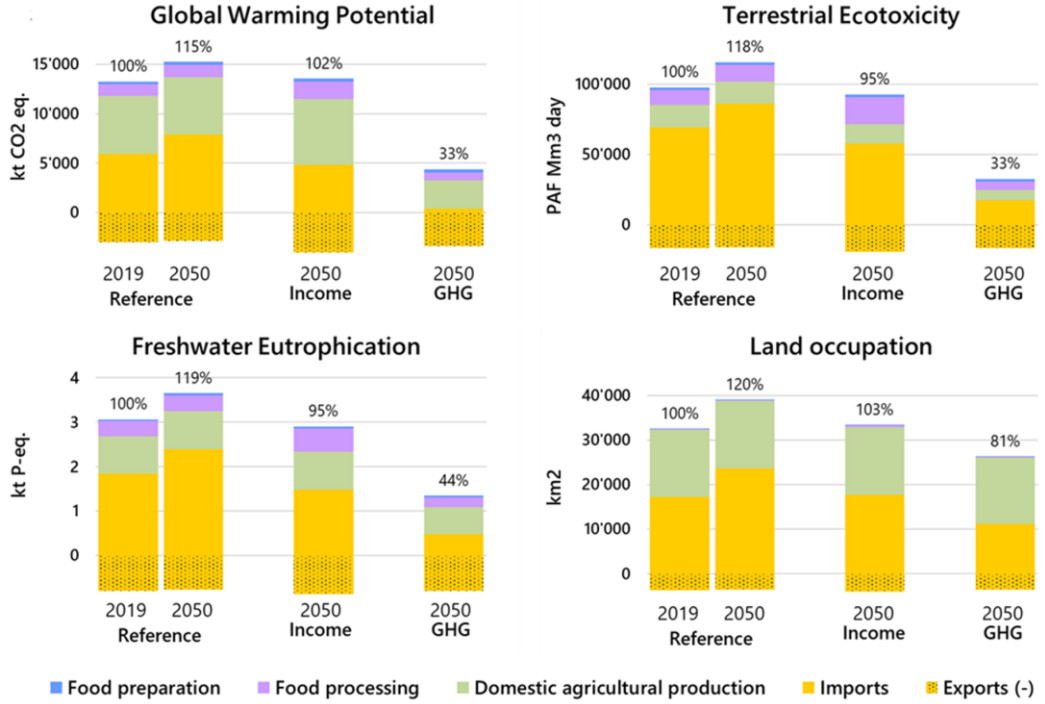
STPV applications and outlook

Product level:



- **captures variations in agricultural environmental impacts** across different production regions and management systems.

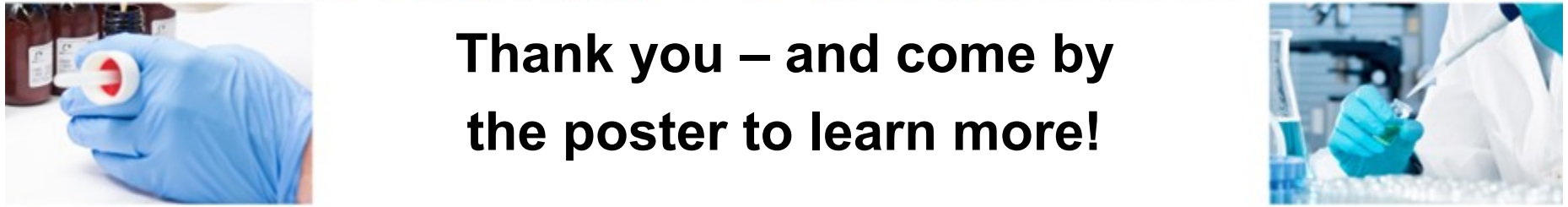
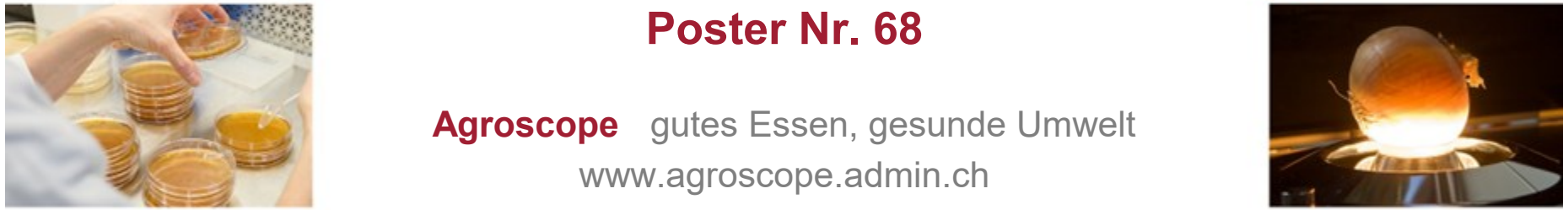
Food-system scenarios:



- **Enables comprehensive agri-food scenario assessments**, ensuring consistency across multiple sectoral models and comparability between studies.

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Thank you – and come by the poster to learn more!

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