TRUE

TRansition paths to sUstainable legume-based systems in Europe

Decision support system (DSS) Path Finder promotes sustainable legume path from farm to fork

The agri-food chain serves as a channel for the transmission of demand information from users to producers and supplies consumers with the required products. Due to the increasing demand for balancing the technological and economic development of society with the protection of the environment, the link between producers and consumers must meet strict sustainability criteria, which is a very complex challenge.

To address this, the TRUE project developed a decision support system (DSS) Path Finder. It provides a sustainability assessment of the individual links in the chain according to the environmental, economic, and social pillars, and the chain as a whole. Since the DSS provides sustainability assessment at different levels, it is designed to be used by different end-users, e.g., farms and businesses, and various government agencies and ministries. The Path Finder helps end-users to modify their management plans and production infrastructure to achieve their sustainable goals.

For example, relevant agencies and ministries can use the DSS to draft or modify sustainability strategies in the agriculture and food sector. In addition, it can be used to develop financial incentives for sustainable development.

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| Policy Makers | Inputs | Primary Production | Aggregation | Processing | Distribution | Retailers | Markets | Consumers |

SUSTAINABLE DEVELOPMENT GOALS

| Knowledge Exchange & Communication | WP2: Case Studies | WP3: Nutrition and Product Development | WP4: Markets and Consumer | WP5: Life Cycle Assessments and Environmental Assessments | WP6: Economic Assessments of Legume Production and Consumption | WP7: Policy and Regulations | WP8: Transition and Decision Support Tool |

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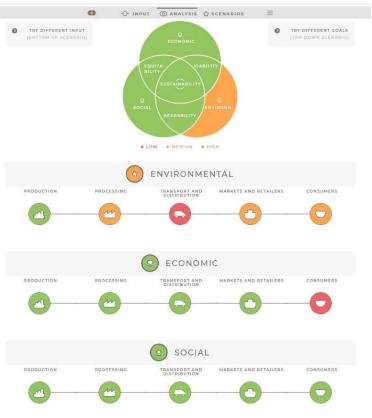
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The application of the DSS at the individual farm, enterprise, and consumer levels can improve the sustainability of production, processing, and consumption. The Path Finder allows for simultaneous sustainability assessment of all elements of the agri-food chain (e.g., from farm to fork) and the integration of results across different levels. It also promotes the numerous environmental and human nutritional benefits of legumes, as well as synergies with several Sustainable Development Goals.

Figure 1. The results of the sustainability assessment of agri-food chain.

About TRUE

The EU funded project "TRansition paths to sUstainable legume based systems in Europe" (TRUE) is a balanced practice-research partnership of 24 institutions, which aims to identify the best routes, or "transition paths" to **increase sustainable legume cultivation and consumption across Europe** and includes the entire legume feed and food value chains.

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