



TRansition paths to sUstainable legume-based systems in EEurope

3rd Continental Legume Innovation and Networking (LIN) Workshop

Sustainability of Legume Agri-Food Chains

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Sustainability: background and some landmarks

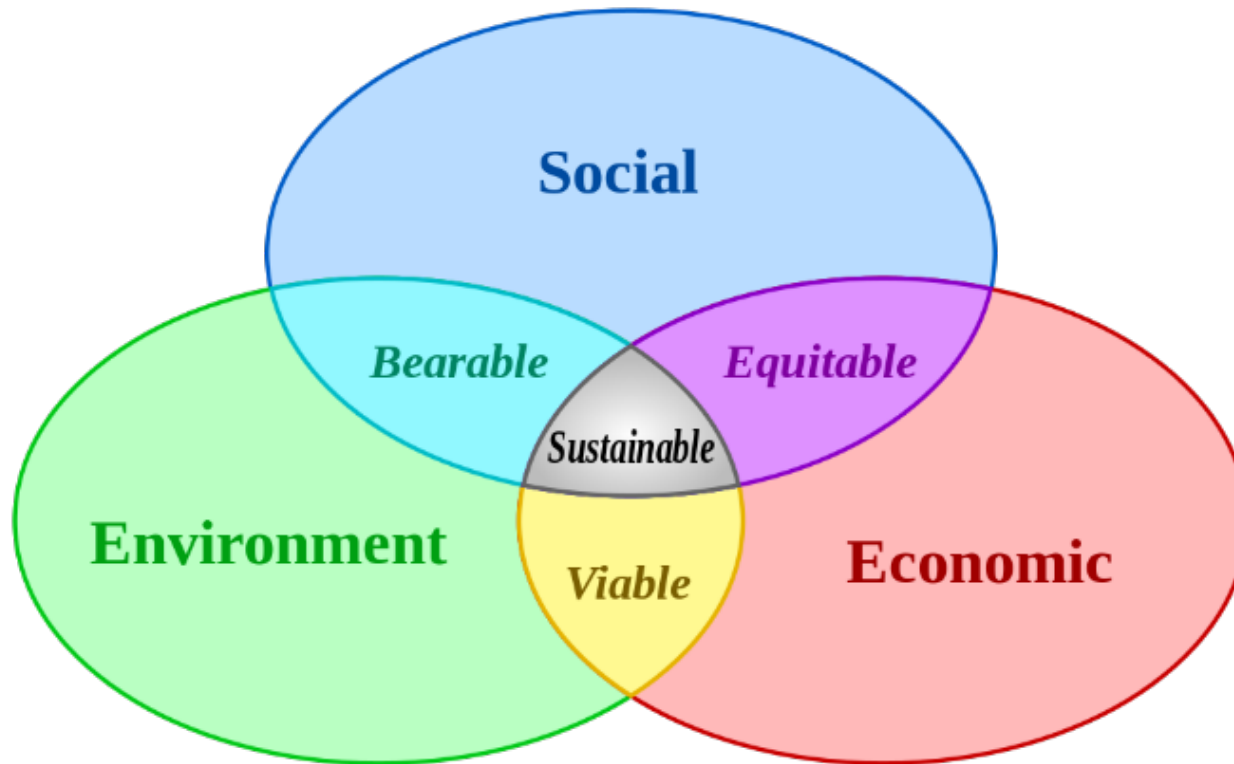


- **1964: Sustainability** Latin *sustinere*: to hold up, ‘maintaining’ some level of optimal development path.
- **1987: Sustainable development** “meets the needs of the present generation without compromising the ability of future generations to meet their own needs” the report (**Bruntland**), Our Common Future: World Commission on Environment and Development
- **2002: three pillars (social, environmental and economic : people, planet, prosperity):** new description of **sustainable development** at World Summit on Sustainable Development



Sustainability: background and some landmarks

Integrated concept (1997, 2005, 2007):



Sustainability: definitions



Environmental pillar

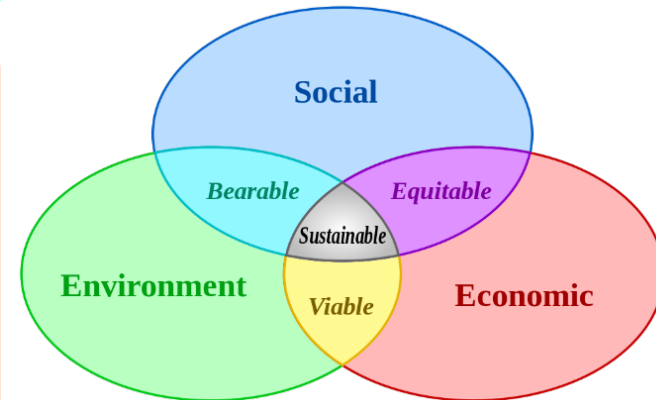
The **environmental functions** that are connected with the **management** and **conservation** of **natural resources** and fluxes within and between these resources.

Economic pillar

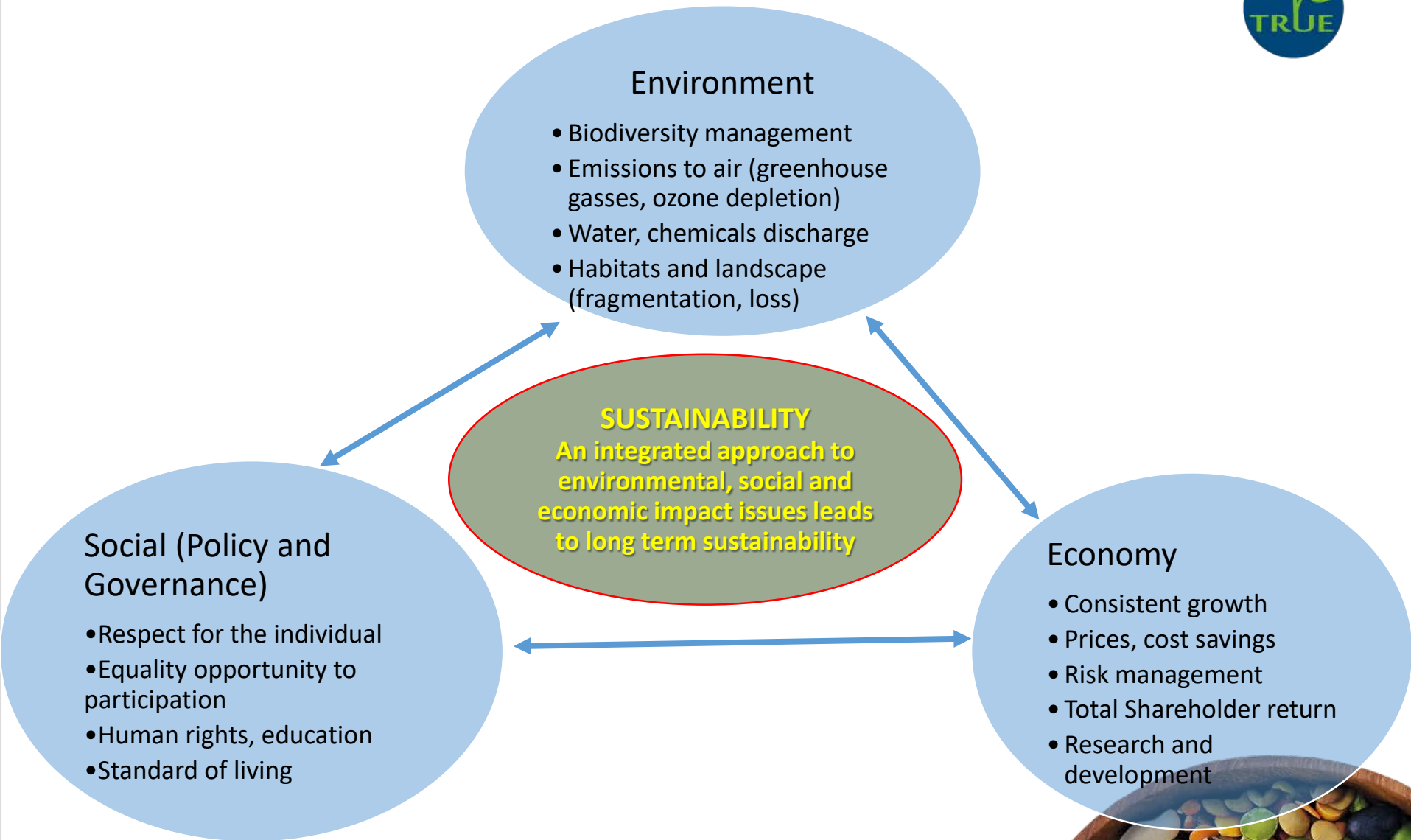
The **economic functions** of the system which should provide **prosperity (wealth)** to the community.

Social pillar

Several social functions which support the capacity of current and future generations to **create healthy and liveable communities**



Sustainability: definitions





Sustainability levels

- Sustainability is a **multidimensional concert**:
 - **Normative** dimensions of sustainability
 - ecological,
 - economic and
 - social aspects
 - **Spatial** dimensions of sustainability
 - Local
 - Regional
 - National
 - **Temporal** dimensions of sustainability
 - Short-term
 - Long-term





Sustainability indicators

- to **assess** the environmental, economic and social conditions of a system,
- to **monitor** trends in conditions over time,
- to **provide an early warning** signal of change
- to **provide solid bases to decision making processes** consistent with sustainable development principles at **all levels**





Roles of sustainability indicators

- **Local level:** **measure progress** of the enterprise toward sustainability
- **Regional level:** **comparisons between** enterprises' performance in the economic, social and environmental aspects
- **National/International level:** **inform policy makers** about the current **state and trends** in sector performance and facilitate public participation in sustainability discussions



Link to the Workshop

To assess the current level of the environmental, social and economic sustainability of the legume agri-food chain in Central Europe/Slovenia by stakeholders

