

**INVENTORY OF REQUIRED SOCIO ECONOMICS INFORMATION
(FRAMEWORKS, MODELS AND PRACTICES) ON TIMPS OF DIFFERENT VALUE
CHAINS**

Technology name	Socio-economic information and knowledge
Category (i.e. technology, innovation or management practice)	Information
A: Description of the technology, innovation or management practice	
Problem to be addressed	Inadequate socio-economics information and knowledge on CSA TIMPS on crops, livestock, NRM for improved livelihoods
<p>What is it? (TIMP description) -</p> <p><i>Thematic socio-economics focus for Crops, Livestock, and NRM value chains</i></p>	<ol style="list-style-type: none"> 1. Economic analysis (profitability)of TIMPs <ul style="list-style-type: none"> • Gross margin analysis • Partial budget analysis • Benefit cost analysis • Net present value • Internal rates of return 2. Adoption and sustainability analysis of TIMPs <ul style="list-style-type: none"> • Awareness of TIMPS • Rate of adoption of TIMPs • Intensity of adoption of TIMPs 3. Impact assessment (<i>ex-ante</i> and <i>ex post</i>)of TIMPs <ul style="list-style-type: none"> • Social impacts of TIMPS • Economic impacts • Environmental impacts • Food and nutrition security • Gender inclusiveness • Employment creation 4. Market and policy analysis of TIMPs (input and output market) <ul style="list-style-type: none"> • Availability and accessibility of TIMPs (demand and supply) • Costs of accessing TIMPs • Promotion channels • Main promoters • Policy and institutional analysis • Human capacity for sustainability of R&D 5. Social and cultural acceptability of TIMPs <ul style="list-style-type: none"> • Gender considerations • Youth involvement • VMG inclusion 6. Dissemination approaches for TIMPs <ul style="list-style-type: none"> • Innovation platforms • CIGs and VMGs

	<ul style="list-style-type: none"> • ICT platforms (Big Data, Ag Observatory platform) <p>7. Priority setting of CSA TIMPs</p> <ul style="list-style-type: none"> • Value chain analysis • VC Prioritization • TIMPs Prioritization <p>8. Novel Research methods and data analytical frameworks</p> <ul style="list-style-type: none"> • Design of studies • Data collection methods (ODK, survey CTO, Kobotoolbox) • Data analysis techniques and models • Interpretation of results • Capacity building on statistical methods
Justification	Socio economic interventions and analysis provide information and knowledge that is required by users of TIMPs and policy makers to make decisions to adopt or support TIMPs of particular value chains. This information can be in form of economic viability, social acceptability, adoption and impacts of a TIMP, market information and required policy interventions by stakeholders to support the development, promotion and adoption of CSA TIMPs.
B: Assessment of dissemination and scaling up/out approaches	
Users of Socio economic information/ innovations	All stakeholders in the value chains
Approaches to be used in dissemination	<ul style="list-style-type: none"> • Participatory R&D approaches • Feedback workshop • Field days • Policy round table dialogues • Policy briefs • Value chain meetings • Innovation platforms • Value chains actors' meetings • Common interest group meetings • Scientific conferences • Mass media • Stakeholders' meetings/forum • Project planning meetings Agricultural shows • ICTs
Critical/essential factors for successful promotion of socio-economics information on TIMPs	Holistic packaged information and knowledge on TIMPs; effective delivery systems;
Partners/stakeholders for scaling up and their roles	<ul style="list-style-type: none"> • County Governments – Training farmers • Development partners – Providing technical and financial support

	<ul style="list-style-type: none"> • National Governments agencies and other research institutions – Capacity building of value chain actors • Farmers organizations, Civil Society and Faith Based Organizations – Mobilizing stakeholders
C: Current situation and future scaling up	
Counties where promoted if any	Nationally
Counties where TIMP will be upscaled	All KCSAP counties
Challenges in dissemination	Mismatch between technology information and technology availability;; inadequate socio-economics information on TIMPs, Awareness of TIMPs only in small and limited project sites inadequate use of available information in decision making
Suggestions for addressing the challenges	Strengthen linkages with various information delivery channels and actors
Lessons learned in upscaling if any	<ul style="list-style-type: none"> - TIMPs that address stakeholder needs are most likely to be adopted. In PPP, private sector are driven by commercial interest - Awareness, cost and availability of TIMPs are major barriers to their uptake
Social, environmental, policy and market conditions necessary for development and upscaling	Supportive biophysical, institutional, business and policy environment; Availability, access, affordability and acceptability of TIMPs; stable and reliable markets for technology/ input supplies and output products
D: Economic, gender, vulnerable and marginalized groups (VMGs) considerations	
Basic costs	No major costs to access the socio-economic information once it is generated.
Estimated returns	Improved ability to make choices and decisions based on empirical socio-economic information of different TIMPs.
Gender issues and concerns in development and dissemination	Focus more on gender disaggregated data as a measure of gender mainstreaming; Application of Gender analysis tools in studies
Gender issues and concerns in adoption and scaling up	Consideration of productive, reproductive and community roles; differential access, control and ownership of productive resources, drudgery
Gender related opportunities	Knowledge on profitable value chains to invest in and TIMPs to adopt
VMG issues and concerns in development and dissemination	Lack of purposive social inclusion through project designs and implementation
VMG issues and concerns in adoption and scaling up	Targeting of interventions that improve VMG alternative livelihoods
VMG related opportunities	Knowledge on profitable value chains to invest in and TIMPs to adopt.
E: Case studies/profiles of success stories	

Success stories from previous similar projects	<ul style="list-style-type: none"> • Adoption of novel digital data collection • Participatory approaches in technology evaluation (Farmer Group Discussions, Participatory Variety Evaluation- PVE) • Use of Multi-Stakeholder Platforms/Innovation Platforms • Value chain analysis and capacity building through Multi Stakeholder processes in crops and livestock value chains across the country • Economic analysis models and tools; Benefit Cost Ratio- BCR, Internal Rate Returns –IRR, Gross Margins, Net Present Values, Economic surplus models • Adoption and impact assessment models • Market analysis frameworks, e.g. Structure Conduct Performance • Policy analysis frameworks
Application guidelines for users	Economic analysis manual, impact assessment manuals
F: Status of TIMP readiness (1. Ready for upscaling; 2. Requires Validation; 3. Requires further research)	Socio-economics frameworks and models available and ready for use and adaptation to different value chains.
G: Contacts	
Contacts	Director, Socio-economics and Policy Development, KALRO
Lead organization and scientists	KALRO Socio economic Scientists in different institutes; Biophysical scientists
Partner organizations	Universities, CGIARs. Ministry, KIPPRA, TEGEMEO,

NB: Socio-economic information to be generated and considered in the TIMPs of the different value chains.

Gaps on socio-economics information on TIMPs for further research

1. Establishment of baselines for the TIMPs
2. Knowledge on application of different economic evaluation models
3. Knowledge on use of adoption and impact assessment models
4. Environmental impact assessment methods – especially on sustainability, resilience and GHG emissions
5. Assessment of the demand and supply of TIMPS in Counties
6. Identification of policy issues across value chains for policy formulation
7. Development and adoption of approaches for enhancing gender, youth and VMG inclusion in CSA TIMPs
8. Assessment and comparison of the effectiveness of different upscaling approaches of TIMPs

Summary on status of readiness of socio-economics information

Commodity /value chain	Name of framework / model / Practice	Ready to go	Needs validation	Research Gaps
All KCSAP crops, livestock and NRM value chains	Economic analysis of TIMPs	✓	✓	<ul style="list-style-type: none"> • Knowledge on application of different economic evaluation models
	Adoption and sustainability analysis of TIMPs	✓	✓	<ul style="list-style-type: none"> • Knowledge on application of adoption models
	Impact assessment (<i>ex-ante</i> and <i>ex post</i>)of TIMPs	✓	✓	<ul style="list-style-type: none"> • Establishment of baselines for the TIMPs • Environmental impact assessment methods – especially on sustainability, resilience and GHG emissions
	Market and policy analysis of TIMPs (input and output market)	✓	✓	<ul style="list-style-type: none"> • Assessment of the demand and supply of TIMPS in Counties • Identification of evidence across value chains for policy formulation
	Social acceptability of TIMPs - Gender, youth and VMG inclusion	✓	✓	<ul style="list-style-type: none"> • Development and adoption of approaches for enhancing gender youth and VMG inclusion in CSA TIMPs
	Dissemination approaches for TIMPs	✓	✓	<ul style="list-style-type: none"> • Comparison of the effectiveness
	Novel Research methods and data analytical frameworks	✓	✓	<ul style="list-style-type: none"> • Awareness and capacity for the users
	CSA- Prioritization Framework	✓	✓	<ul style="list-style-type: none"> • Awareness creation & application