

Market-driven and Resilient Nutritious Agri-Food Systems in the Humid zones in WCA

Sustainable Intensification of Mixed Farming Systems (SI-MFS)

Work Packages

- (1) Sustainable Intensification and Diversification for Nutritious and Resilient Food Production through Sustainable Seed and Management Systems**
- (2) Informed Digital Agriculture for Climate Resilience - Managing Climate Risks and Accessing Services**
- (3) Sustainable and Inclusive Landscape Management for a Healthy Environment and Safe Food**
- (4) Youth and Women Entrepreneurship Models in Food Value Chains**
- (5) Innovation in Scaling Design, Implementation and Monitoring, Evaluation Learning and Accountability (MELA) Tools and Processes**

Initiative Focus and Scope

Agro-ecology

- Phase 1: Humid and Transition Zones
- Phase 2: Semi-Arid and Arid zones

Commodities and Value chains

- Roots and Tubers and Bananas
- Cereals (rice and maize based systems), Legumes,
- Vegetables and Inland fish

Geographic scope

- Phase 1: Ghana, Nigeria, Cote d'Ivoire + Rwanda, Burundi and DRC
- Phase 1 - 2: Cameroon; Benin and Liberia
- Phase 2 : Sahelian Countries

Strategic opportunities to link with SI-MFS

- From farm to landscapes – bundling sustainable intensification/ diversification innovation ready for use & with impact at scale
- Coordinated partnership with CORAF and the NARS – building on their strategies for R4D on Systems Transformation
- Informing policies – sustainable intensification at landscape level, deepening market access and gender transformation
- Coordinated approaches to capacity building: tools and training approaches; capacity building materials
- Match making in digital information support systems – adaptation to CC; value chains
- Sharing approaches for multi-criterion impact assessments - indicators for system performance

What can RII - WCA offer to SI-MFS Initiative

- Science-generated evidence on impact-enhancing readiness of innovations for Sustainable Intensification.
- Guidelines for technologies & innovations uptake and scaling out.
- Integrated data sets and management frameworks to assure scaling and transfer of digital tools across WCA.
- Validated models to mitigate environmental, social and governance (ESG) risks in SI at landscape level.
- Citizen-science generated toolboxes for the implementation of SI at landscape level
- Knowledge on social barriers to including youth and women in food value chain related initiatives

Some examples of Low-hanging fruits

- Climate Smart Agriculture Practices including digital plant health advisory systems.
- RTB Seed Systems Toolbox.
- Intensified and diversified lowland rice-based systems
- Participatory toolset for inclusive water management and socio—agroecological homologues
- REMUGOL tool and institutional arrangements for market access
- Toolbox for Impact Assessment - Sustainable Intensification Assessment Framework