2013 FRN proposed Scoping studies:

EAf & SAf

2015 Program support Different "models" emerging

Topical areas emerging

DD reporting against WG discussing topics Data managers hired in

2017

principles

each meeting

several FRNs

Apps being created

Discontinue Sphaera **FRN Toolkit** Revise principles

2019

New ccrp.org with FRN Resource Library

Begin writing a paper

2014

FRN projects funded Working Group & Deep Dive evaluation initiated

Principles, ToC, Developmental evaluation plan

2016 FRN convening #1 (Malawi) Sphaera

FAO scoping study Articles published...



(Tanzania)

2020 Toolkit demo Work on FRN article FRN learning system design work

Growth, convergence and systematization:

More farmers in more groups tackling more issues of their choice in a more coordinated manner; more cross-learning through data system and convenings

Phase 2

FRN as a widely utilized, multi-functional way of improving farm and system performance

FRNs acknowledged as the most effect manner for building and utilizing the evidence base for AEI

Phase 3

Current FRN projects

FRN Learning Structures

		_		
W. AFRICA	Networking 4 Seed		Sustainability of seed, dissemination of legume & sorghum varieties	Research
	Farmer knowledge	· ·	Farmer-led research & extension, farmer-researcher interactions	NGO
	Pathways to AEI	ML	AEI in Southern Mali crop-livestock integration	Research
	Women's fields	NE	AEI of women's fields	FO
	AEI in Burkina	BF	Agro-ecological intensification	NGO
	CATI-GAO	NE	Integration of crops, livestock, and trees	Research
	Dual purpose sorghum/ cowpea	ML	Maximizing sorghum/cowpea intercrop system for crop-livestock integration	Research
	Bambara nut	BF	Enhancing Bambara nut productivity	Research
	Cowpea square	NE	Develop fodder & dual-purpose cowpeas	Research
	FaReNe	ML, BF	Climate variability, ag systems diversification, Crop-tree-livestock integration	NGO
	3F: feeding soil, cow & people	BF	AEI of agro-sylvo-pastoral systems	Research
ANDES				
	PAR FRN	ВО	Pests & diseases in organic groundnuts	NGO
	Yapuchiris	ВО	Yapuchiris + Local climate knowledge	NGO
	Early warning system for climate	ВО	Early warning system for climate	Research
	Quinoa IV	ВО	Monitoring quinoa production	NGO
	Potato seed degeneration	EC	On-farm management practices to improve potato seed	Research

Improving farm systems in sorghum-growing NGO FRN-NGO farming communities Drylands FRN KE Rehabilitating degraded lands for ag. activities Research UG Tackling system-level P&D for cassava, cowpea FRN Uganda Integrate legumes in finger millet systems Finger Millet Research UG Integrate legumes in sorghum sys., breeding Research Sorghum Uganda KE Integrate legumes in sorghum sys., breeding Sorghum Kenya Research UG Seed system for preferred drought-tolerant VEDCO sorghum and finger millet varieties FIPS Village-based KE AE ption by context targeting for varieties, crop NGO Agricultural TZ nutrition, tillage methods and other options Advisors UG Scaling out of a set of post-harvest handling Post-harvest Research handling FRN technologies Bruchids UG Establish innovation platform on food legumes Research Best Bets IV MW Sustainable ag in maize-legume farming sys. Research NGO FRN & leg int. TZ intercropping maize with pigeon pea & lablab Sustainable AE crop Safe/effective pesticidal plants for legumes Research protection Seed Systems MW Strengthen farmer-managed seed systems Research Malawi

Key Learning Questions

What are we learning about our FRN principles? How do they fit & what is missing? What is the best way to learn from our FRNs?

What is the OxC basket for FRN? What 'models' are we seeing? How can FRNs most effectively support AEI?

How should we support FRN implementation & learning through FRN grantmaking, cross cutting support, co-creation/communications, non-grant assistance (e.g. capacity strengthening & convening)? What are FRN outcomes? Are FRNs a more effective way getting to those outcomes? How are FRN outcomes different from others?

Outcomes

- We have limited mechanisms for building evidence on the outcomes of FRN
- What project members see as "results" or "data" is very narrow
- Important outcomes include enhancing soft skills:
- Increased capacity for research & collaboration
- Shifts in power dynamics & leadership
- Sharing learning with other funders & research institutions
- Better connected stakeholders across the science/practice/movement spectrum



Meetings, conferences etc.

Advance farmer engagement, participation, methodologies & approaches for fully including farmers beyond data collection

Understand how different forms of knowledge are (or are not) being recognized & brought into dialogue

Understand how networks facilitate learning & sharing; who is participating or not & why? How does information flow through various networks?

Now What

Assess how the FRN approach leads to more effective AEI outcomes

> Adapt the approach to different levers/outcomes

Discover the effects of FRN networks in generating OxC

Develop strategies for scaling and support for innovation processes

Devise data strategies and technologies to facilitate FRN

COLLABORATIVE CROP RESEARCH PROGRAM THE MCKNIGHT FOUNDATION