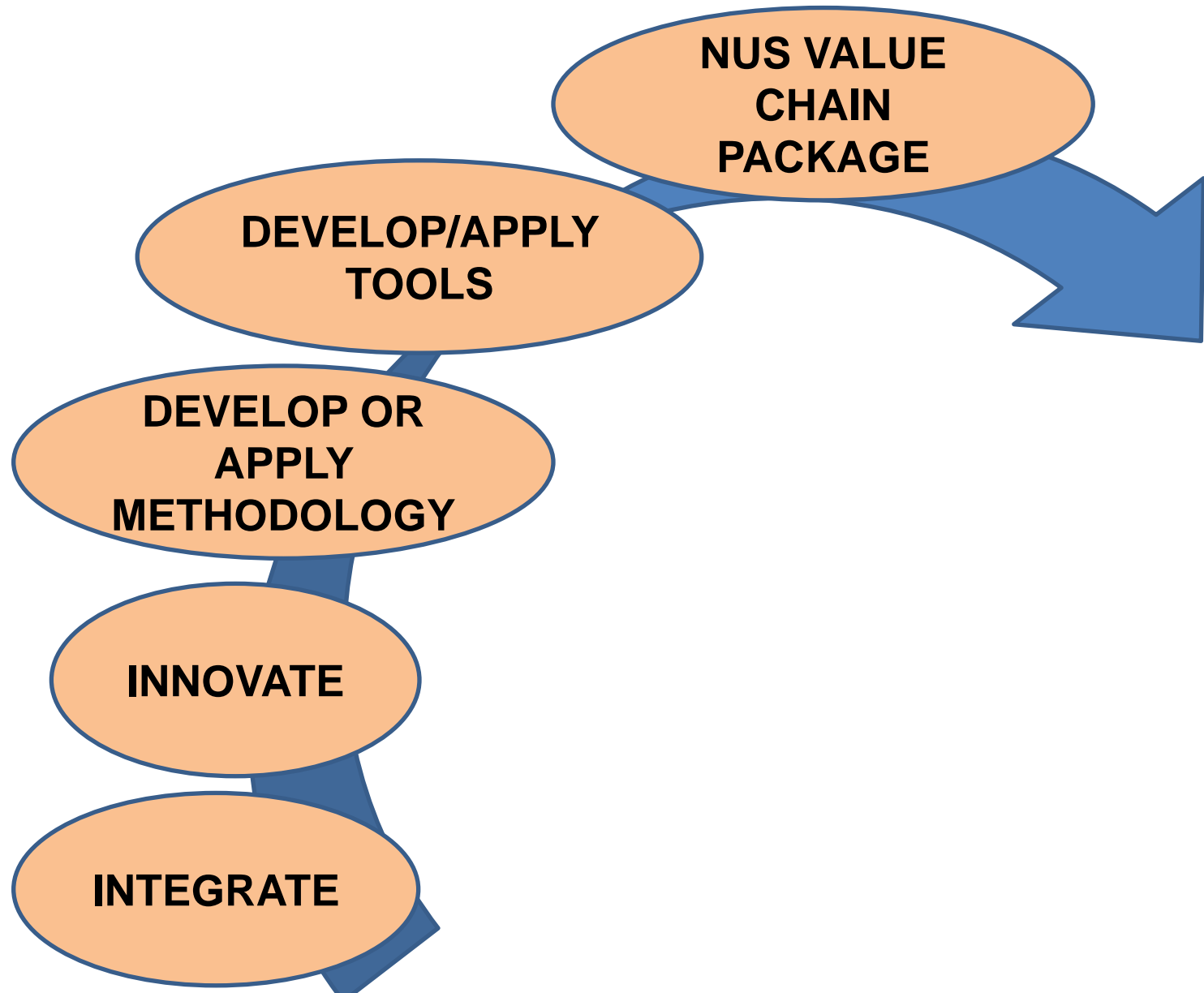


REFLECTIONS ON PROJECTS IMPLEMENTATION: GUATEMALA



INTEGRATE

- Integrate activities with other projects being implemented to rationalize funds
- Strength alliances with other stakeholders

INNOVATE.

- Demonstrate how a holistic approach works
- Access and use of innovative technology by farmers
- Farmers participation in gathering information

DEVELOPMENT OR APLICATION OF METHODOLOGIES AND TOOLS

- Guatemalan institutions will benefit and learn how to apply the Project's methods and tools
- Empowerment: How to go farther to strength empowerment with those Communities that are already organized
- Strength project's sustainability: Methods on how to engage groups and keeping them interested.

NUS VALUE CHAIN PACKAGE

- Develop the value chain steps for NUS *Cnidoscolus acutinofolius*: CHAYA

Gráfica 1. Tipos de Chaya Evaluados en los Ensayos de Campo



Cuadro 5. Efecto principal del cultivar de Chaya sobre la composición química de las hojas de Chaya

Cultivar de Chaya	%				mg / 100 g						
	Cenizas	Proteína	Grasa	Humedad	HCN	Fe	Mn	Ca	Zn	Cu	Mg
Gloria	8.5 c	32.8 a	8.8 a	76 bc	29.5 c	20.7 b	4.9 a	865 b	6.5 c	1.2 ab	456 bc
Mansa	9.4 b	29.4 c	7.4 b	79 ab	35.0 b	25.6 a	4.3 b	779 c	7.5 b	1.3 ab	470 b
Picuda	9.2 b	32.0 a	7.0 b	75 c	42.1 a	20.2 bc	4.5 b	1082 a	8.6 a	1.1 b	581 a
Plegada	9.8 a	30.6 b	8.2 a	82 a	32.2 bc	19.5 c	3.5 c	794 c	6.1 c	1.5 a	430 c
Promedio	9.2	31.2	7.9	78.0	34.7	21.5	4.3	880	7.2	1.3	484

Gráfica 2. Panorámica de los ensayos de Chaya en cada sitio experimental

Gráfica 3. Cosecha manual de hojas de Chaya en el sitio UVG Sur



CHAYA TORTILLAS



WHO COULD PARTICIPATE: STAKEHOLDERS

INSTITUCION	PROJECT/ACTIVITY	OBSERVATIONS
FAO's Project Office	Meosamerica without hunger	
SESAN. Food Security Secretary	Work in the prioritized areas vulnerable to poverty and food security	
FARMERS Mancomunidades in Highlands and Chiquimula	FAO will be working with these groups in their project, or can help in identifying groups.	<ul style="list-style-type: none"> • Strong organizational component. • How many communities in each area
MAGA Minister's of Agriculture Policy Department	Seed law and seed policy	Rase awareness of the use and conservation of PGRA
Gene Bank at National Research Institution of Agriculture, ICTA	Conservation of varities identified or used in the project.	Opportunity to link <i>in situ</i> and <i>ex situ</i> conservation
IICA Instituto Interamericano de Cooperación para la	Value chains with main food security crops	Have worked with small farmers in Central America

WHERE TO IMPLEMENT THE PROJECT

MAIN CROPS: Maize and beans

- Food security
- Cultural reasons:
Popol Vuh: Mayan book that explains the creation, Men of maize

