



CATALIST & SEW

4 & 2 years after
launching

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CATALIST: Nourishing the soil, nourishing peace

- **Goal: social & environmental stability**
- **Contribution: agricultural intensification**
- **Through:**
 - **More intensive and sustainable production systems**
 - **input and output market development**
 - **enabling environment for farmers to invest in their land and for enterprisers to invest in markets and value addition**

CATALIST highlights

- **Social & environmental stability**
- **Integrated soil fertility management**
- **ISFM in seasons of drought**
- **Value chain development**
- **Policy issues**

Social stability

Woman farmer:

« ... after the war, quarrels continued, but now we work together »



Environmental stability?

Rwandan soil
nutrient balance:
- 42.000 t fertilizer
= 20 kg/ha less
nutrient losses;
- 75.000 adoptants
ISFM = improving
nutrient and
organic matter
status



Fertilizers '*primus inter pares*'



Inputs and its use



Supply or demand limited?

Decision support tree

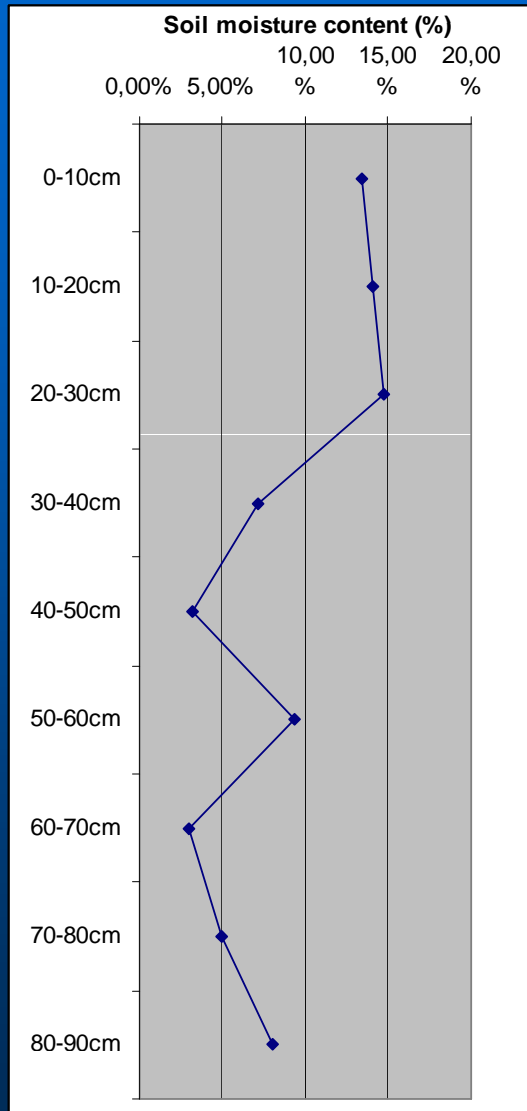
**Meteorological
or soil water
drought?**



Decision support tree validation

Soil humidity

Soil depth



Bean; soil rich in organic matter

ISFM in a season of drought



Value chain development

- **Facilitating intensification and collaboration**
- **Bringing together farmers, input & output market actors, enterprises, banks and services**
- **15 commodities; focus on those enabling food security and poverty reduction**

Sustainability?

	Supply	Demand	Policy
Burundi	+	++	?
DRC	+	+++	?
Rwanda	++	++	+

Perspectives?



**CATALIST phase 1
almost finished**

**Good perspectives for
second phase**

CATALIST & SEW, a Siamese twin

No trees
without
intensification,
no
intensification
without trees



SEW: Sustainable energy

- **Goal: Sustainable energy and land use**
- **Contribution: increasing and improving wood production and use**
- **Through:**
 - **20.000 ha woodlots and agroforestry**
 - **more productive woodlots and agroforestry**
 - **more sustainable wood and charcoal value chains**
 - **an enabling policy environment.**

SEW highlights

- Planting 20.000 ha; > 9.000 done
- Sustainable value chains
- Agroforestry 2
- Carbon sequestration
- Policy issues

Sustainable value chains

High productive
woodlots &
agroforestry

Effective
carbonization

Effective stoves

More equal
distribution of
benefits



Woodlots & Agroforestry

No intensification without trees!



Work partner Helpage

Agroforestry-2

Making the use of fertilizers feasible instead of avoiding fertilizer use

- **Legumes no preference!**
- **Homogeneous distributed; < 25% cover**
- **Deep rooting; shallow roots to be cut**
- **Diameter crown $\frac{1}{2}$ trunk length**

Carbon sequestration

Treatment	Yield (kg/ha)				
	grain	straw	leaves	wood	total
Contr.	1,3	1,9	0	0	3,2
C + NPK	4,2	6,3	0	0	10,5
Agrof.	2,6	3,9	5	± 5,9	± 17
A + NPK	4,1	6,1	9,5	± 14,5	± 34

**Thank
you for
your
attention**

