

## **Experience of the Instituto Sadia in Clean Development Mechanism (CDM) Programme of Activities (PoA)**

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# Idea about projects scales

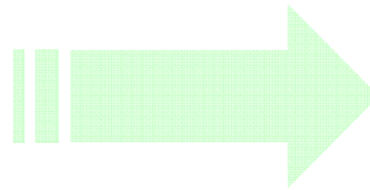


*Is it possible to develop a project of Greenhouse Gas (GHG) emissions reduction in our residence?*

Incandescent lamp



**50W**  
**2.000 h/year**  
**100 kWh in 1 year**



Fluorescent compact lamp



**15W**  
**2.000 h/year**  
**30 kWh in 1 year**

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Annual economy: 70kWh  
Brazil grid emission factor (ONS e MCT): 0,0001842 t CO<sub>2</sub>e./kWh  
**Emission reduction: 12,9 kg CO<sub>2</sub>e.**

## Idea about projects scales



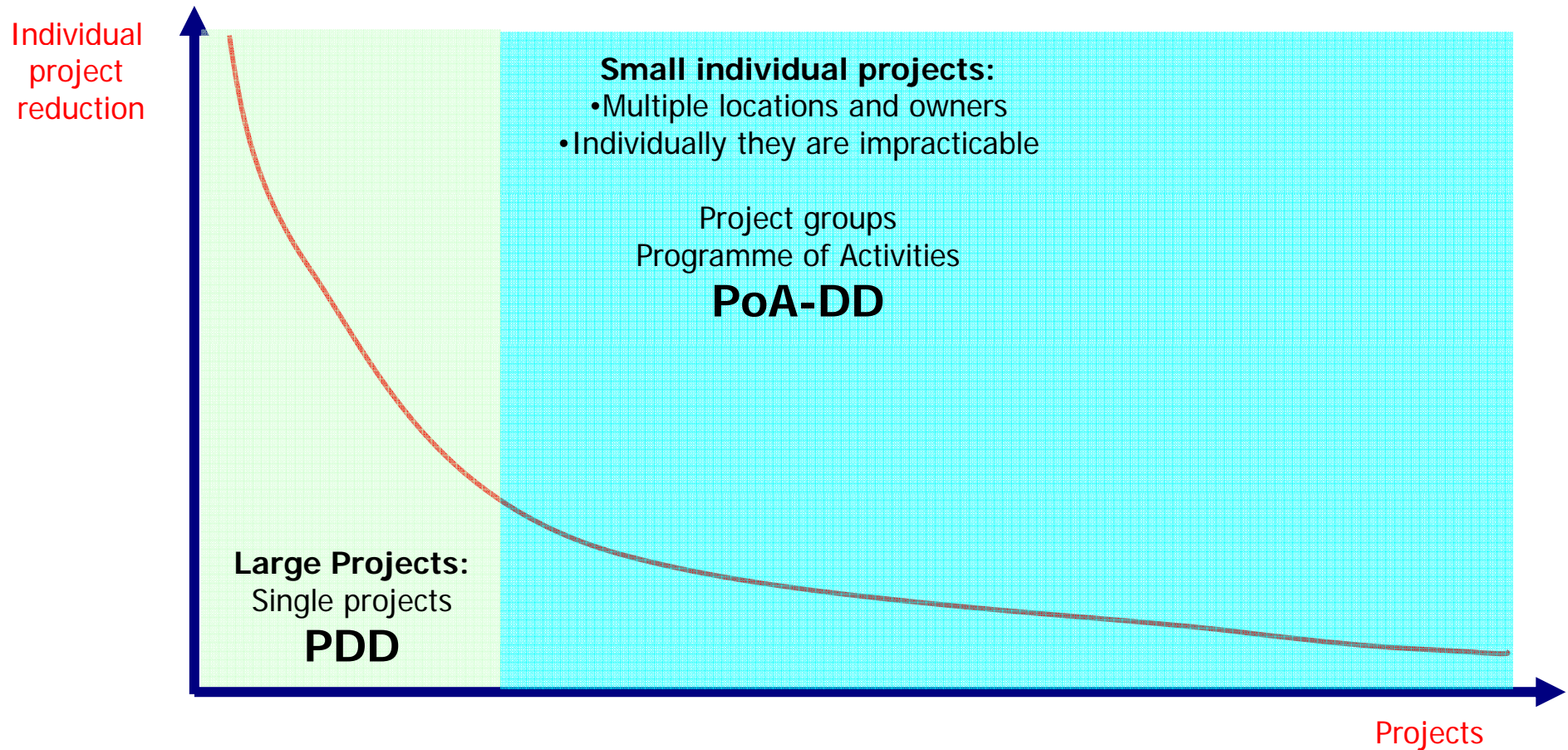
*If it's so simple why doesn't my neighbor register a CDM project in the UNFCCC?*

- The volume of certified emission reduction (CER) is not enough to pay the operational and registration costs;
- Investment Barrier;
- Complexity in monitoring CDM projects and prove the real emission reduction.

# Idea of projects scale



# Sadia

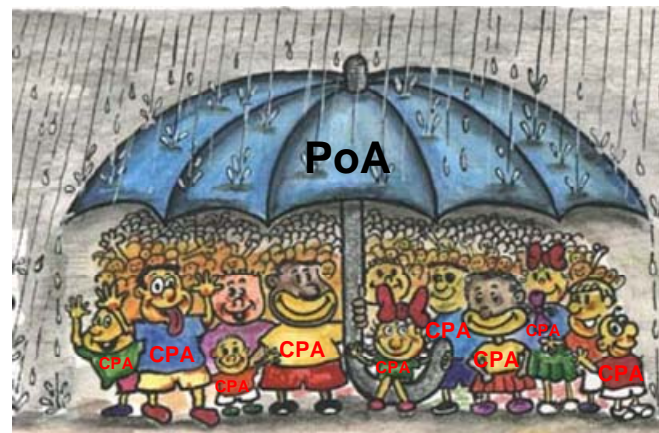


Source: ESMAP and CFU (2008)

## PoA features



- CDM-SSC-**PoA**-DD: Small-Scale CDM Programme of Activities Design Document. Determines the technology applied in the facilities, procedures of calculation, monitoring plan, eligibility criteria
- CDM-SSC-**CPA**-DD: Small-Scale CDM Programme Activity Design Document. Determines specific characteristics of each facility, same methodology in all CPA's, investment analysis, achieves the emission reduction. Shall be according to the proposed PoA.
- The registration occurs in the PoA level. The CPA's are added in any time and point in the PoA interface in the UNFCCC.



## PoA features



**Sadia**

Single Project	Project Bundle	Programme of Activities
Single Location	Multiple locations	Multiple location (time and space)
Single project participant (PP)	Multiple PP's	Multiple PP's
Only one project registered	A number of project activities submitted as 1 project	One PoA registry and multiple project (CPA's)
One period for creditation	Same period of creditation for all projects	Different crediting period for the CPA's according to the life cycle of the PoA
PP <i>ex-ante</i>	All PP's <i>ex-ante</i>	Only one PP <i>ex-ante</i> , rest join later

## PoA Limitations

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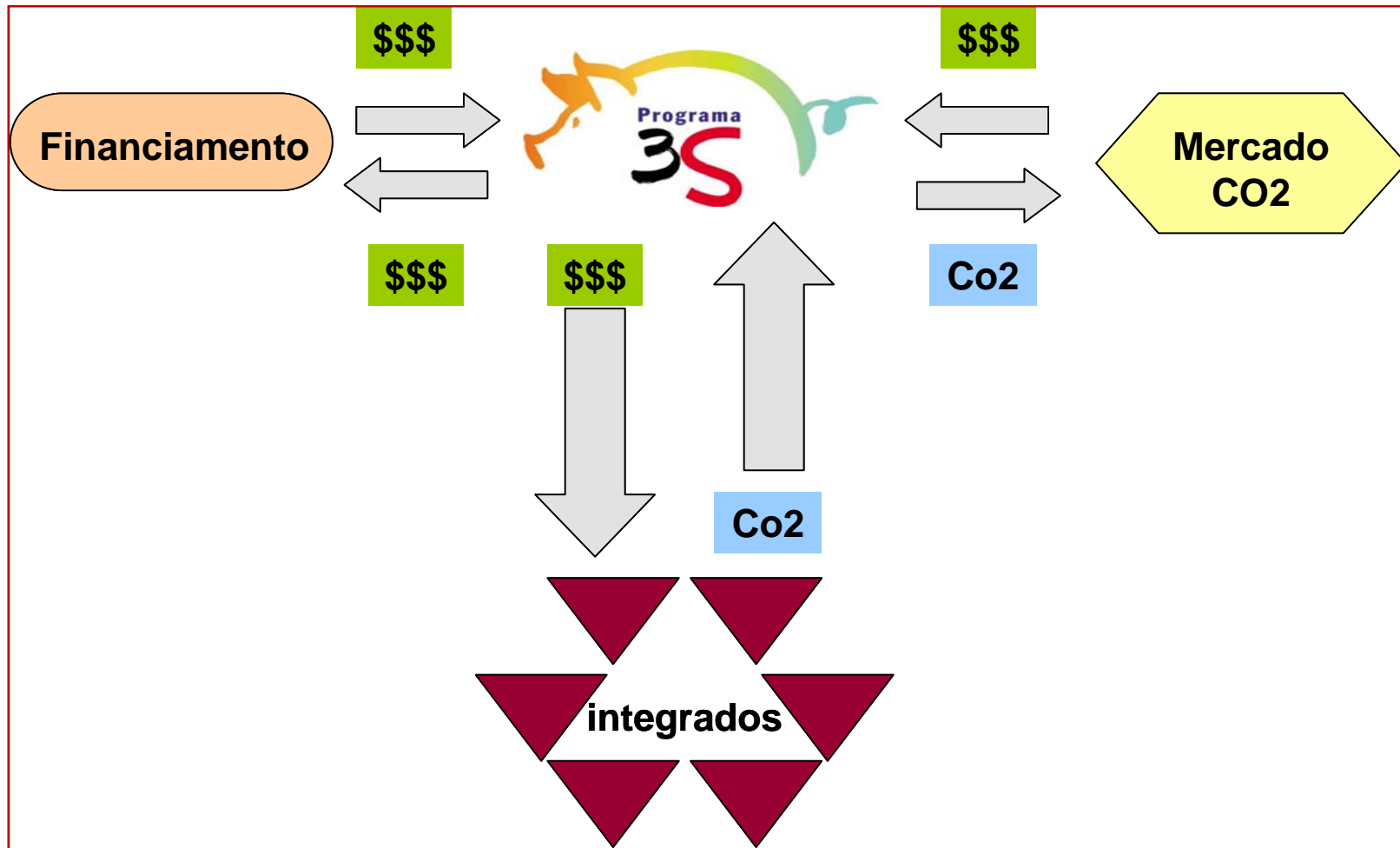
- Additionality: demonstration in PoA level or CPA level?
- Single methodology restriction;
- Debundling rule;
- Liabilities of the Designated Operational Entity (DOE) in adding erroneous CPA's (the validation occurs at PoA level);
- *"Learning by Doing"*



# 3S Program (Sadia Sustainable Farms)



- Functionality design



# 3S Program (Sadia Sustainable Farms)



# Sadia



# 3S Program (Sadia Sustainable Farms)



## Status 3S Program

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- AMS-III.D. - Methane recovery in animal manure management systems (Version 13)
- PoA design document completed;
- Over 1.100 CPA's design documents completed;
- Project validated by the DOE;
- Project approved by the Brazilian Designated National Authority (DNA) and by UK DNA;
- Project protocol for registration is in the United Nations Framework Convention in Climate Change (UNFCCC) since November 2008;
- Undergoing completeness check.

**Thank You!**

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