

BIOGAS

**Joint CCAC Agriculture and GMI Biogas
Subcommittee Brainstorming meeting**

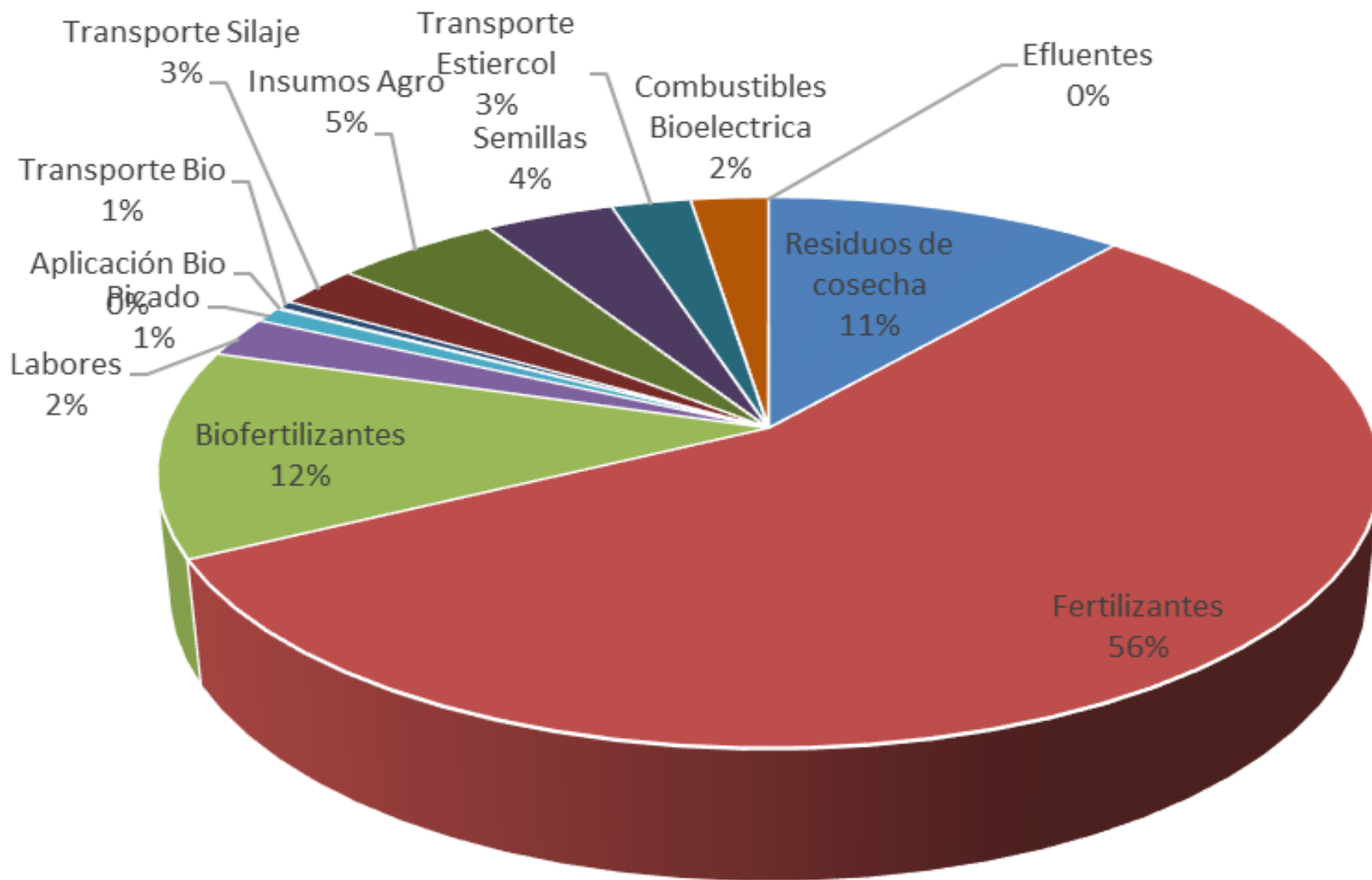
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First LCA studies over commercial plants ppal learnings

- Functional unit
- Limits of the system
- Allocation factors
- Consequential implications
- Are results comparable
- Are we considereng all factors
- How we can improve results

Inventario GEIs - 2013-2017 (junio)

% base kgsCO₂eq



Calculated total emission reduction

National grid 2015	Overall emission reduction achieved
83%	Total energy
29%	Thermal energy delivered
46%	Electric energy sold
69%	Total energy produced and sold

Energy analysis

Electric energy sold to the grid (Gj)	28.067
Thermal energy sold to external company(Gj)	21.333
Total energy sold (Gj)	49.400
(EROI)	5,95
Electric energy (EROI)	3,38
Total Biogás energy content (Gj)	77.956
Total theoretical EROI	9,39