## GREENING THE CONSTRUCTION CHAIN THROUGH CLEANER PRODUCTION & ORGANIZATIONAL LEARNING

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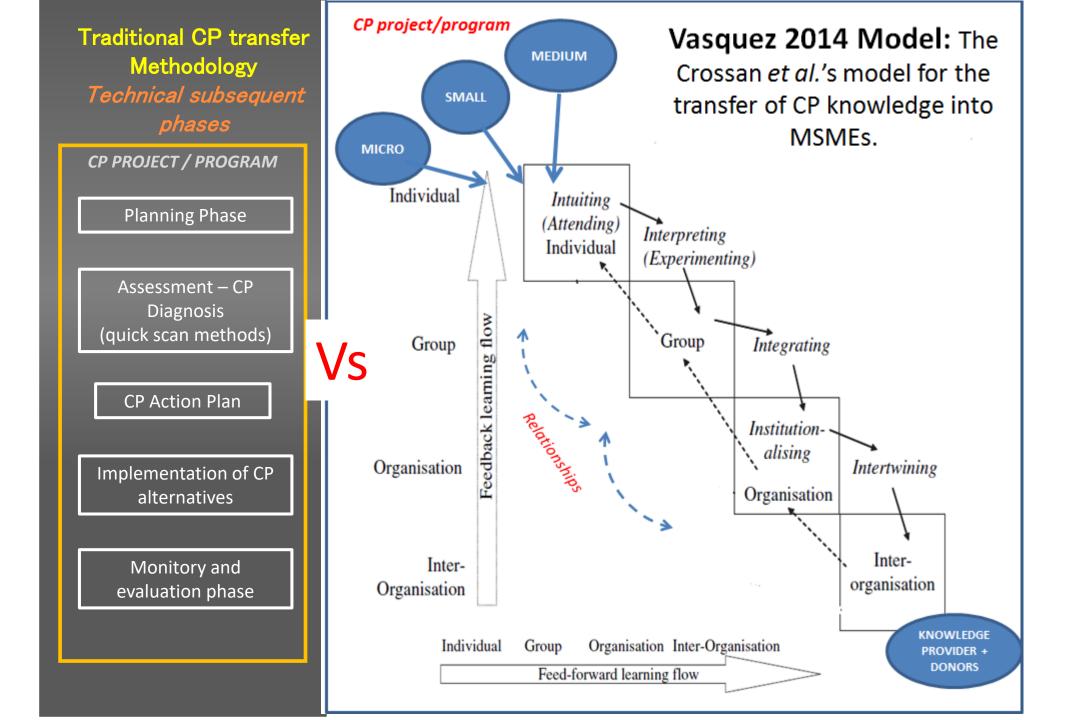






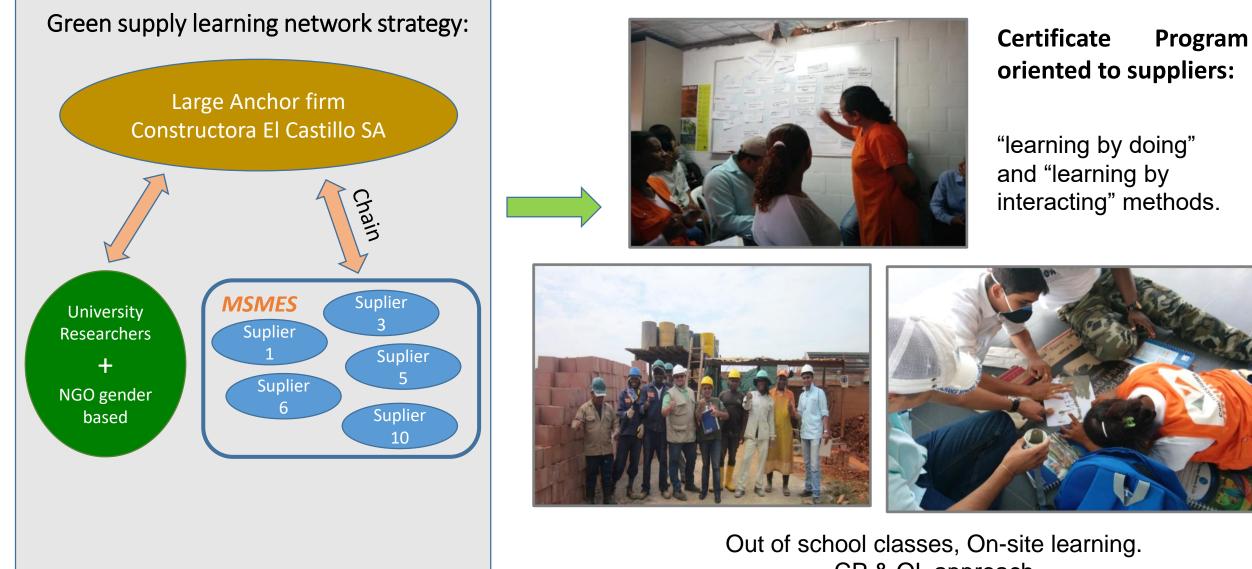






Learning alliances & Strategic partnerships Academia-Enterprise-SMEs suppliers

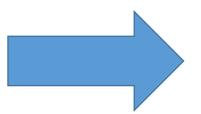




CP & OL approach

### INTEGRATING specific CP actions





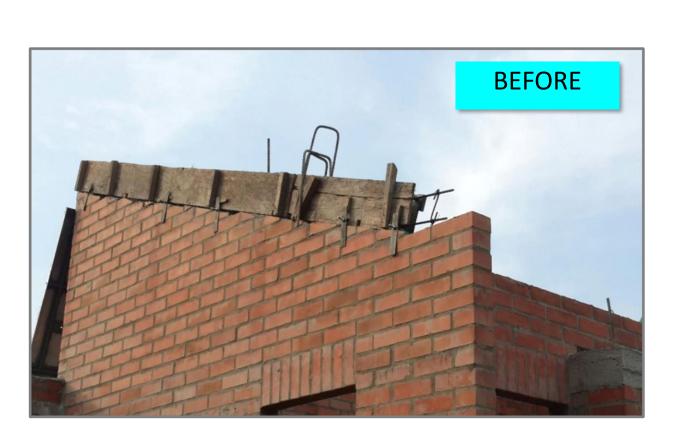
Reuse of the waste water from the brick cutter, in the same brick cutting process.

First steps towards the CP change





### **INTEGRATING** specific CP actions



Replacement of wood forms with durable metal forms.







### **INTEGRATING** specific CP actions





Use of photovoltaic energy for lighting common areas

### Recycling program (Castipesos \$\$\$)





Use of rain water for concrete preparation and cleaning purposes

# **INSTITUTIONALIZATION** of CP in the firms

*New GREEN POLICIES for taking* CP at the heart of the firms

#### *Participatory approach & continuous improvement*





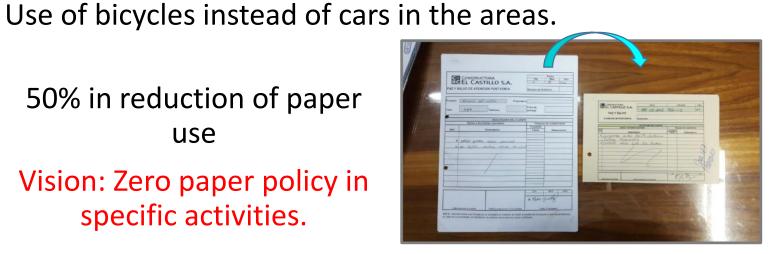
Monday, Day to create new environmental ideas !!



Wednesday, no car day !!

50% in reduction of paper use

Vision: Zero paper policy in specific activities.







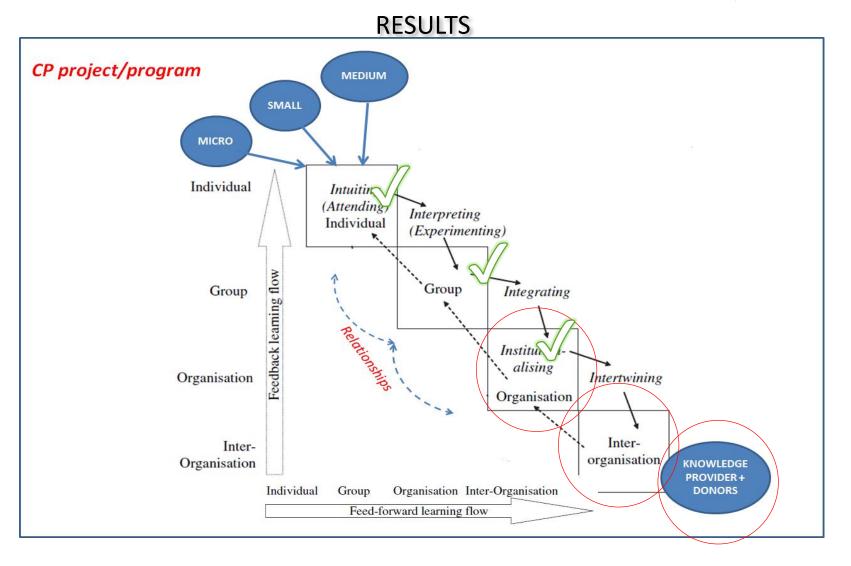


Indicator	Unit	Before applying CP	After applying CP	Total	%
Reduced paper consumption	Sheets of paper reduction / month	8459	4198	4261 (total reduction)	50% (reduction)
Construction waste generation	M3 / two construction complex	1953	1347	606 (total reduction)	31% (reduction)
Reuse of demolition & construction material waste	kg of recovered demolition & construction material	0 out of 1953 m3 of wastes.	1347	1347 m3 out of 1953 m3 of wastes are being reused in roads. (as the wastes are cleaner after taking out the recycling material, they can be now used for roads improvements)	used for roads)
Replacement of wood forms in all the construction processes.	Number of wooden planks (3 meters long) / month	600	100	500 (total reduction) In specific parts of the beams like the edges, there is still need to use Wood in a limited amount	

# **Viva el Verde**







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#### Knowledge externalization!!

#### CLEANER PRODUCTION GUIDELINES – CONSTRUCTION No1

Towards more sustainable & inclusive construction projects



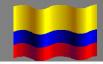




### MOMENTUM FOR CHANGE AWARD Fighting climate change winner activity



# THANK YOU - GRACIAS





The institutionalization of CP in the construction chain is possible with OMs leadership and commitment, wider transfer approaches based on OL, and why not with women CP learning alliances !!

THANK YOU !!!