Greening the Philippine Industries with the ECOPROFIT Approach



The European Union's Asia-Pro Eco Programme

Pollution Prevention, Massflow analysis and Waste Management





Greening the Philippine Industries with the **ECOPROFIT** Approach



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CLEANER PRODUCTION versus End of Pipe



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End of Pipe thinking: Common Waste Treatment : Waste is generated ! What has to be done with it ?

Cleaner Production idea: Waste is generated ! Where does it come from ? What can be done to avoid ?

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Cleaner Production is ...

- a preventive strategy to minimize the impact of production and products on the environment:
- good housekeeping with materials and energy
- substitution of raw and auxiliary materials causing problems
- modifications of products
- process modification
- internal recycling

PREPARE:

since 1991, individual consulting

ECOPROFIT:

since 1993, workshops together with the environmental office, club



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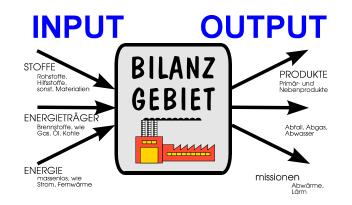
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Cleaner Production

the solution:

consistant analysis of the materials form input to output

with:
Input / output - analysis
Material flow analysis
Energy analysis



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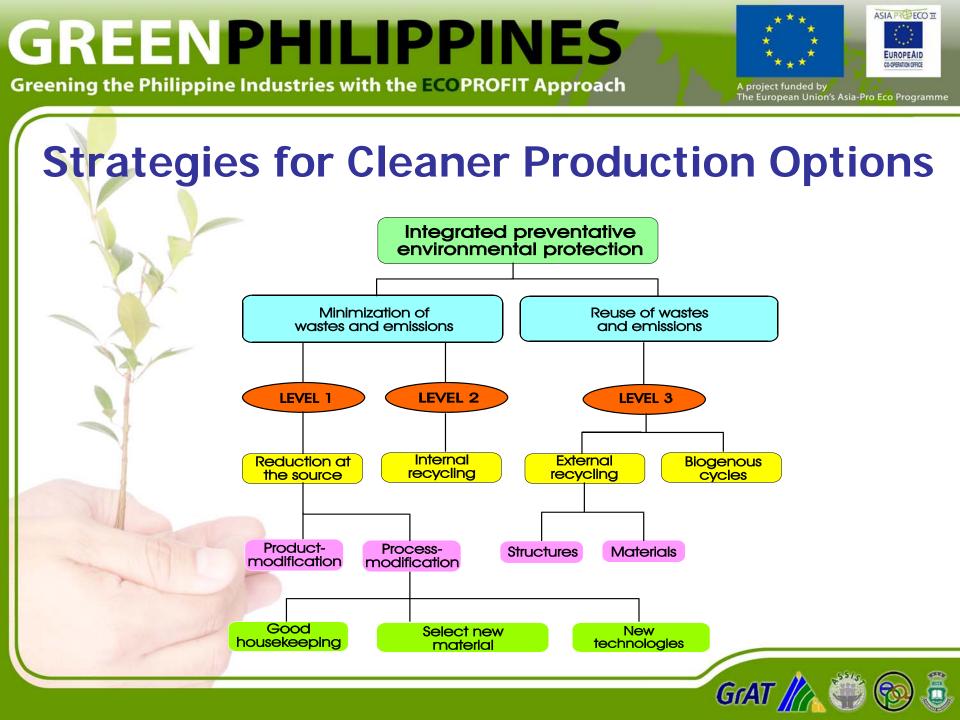
Elements of a CP-Project

Data Collection

mass flow
 energy flow
 costs and safety



- Reflection:
 Where and why do we generate waste?
- Option generation
- Feasibiltiy
- Implementation
- Controlling, continuation, EMS



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Your Task

- Evaluate the following measures in the light of these items:
 - Which CP strategy has been chosen?
 - In your opinion, does the measure make sense
 - from a technical point of view
 - from an ecological point of view
 - or else: under what circumstances would it make sense?

Which strategy would you suggest, if you were production manager or CP consultant of the company?

- Prepare a short presentation of the results
- Present your results to the management

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Your Resources

- 20 minutes for group discussion and preparation of the presentation
 - **5** minutes for presentation
 - 💐 exercise form
- 1 flip chart
- 2 markers



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Good luck!