

Improving the Eco-efficiency of Industrial Enterprises;
Cleaner Production – Concept, Tools and Methodology

Regional Training Workshop
April 4 - 6, 2006

Cleaner Production Unit
Royal Scientific Society
Amman – Jordan

Opening Session

*Under the Patronage of
HE Mr Khaled Irani, Minister of Environment*

Tuesday April 4 (15:30 – 17:00)

*Royal Scientific Society
POSIC HALL*

Opening remarks:

HE Prof Sa'ad Hijazi, President of Royal Scientific Society
HE Mr Paul Widmer, Ambassador of the Swiss Confederation in Amman.

HE Mr Khaled Irani, Minister of Environment.

Introducing the participants and partners,
Background and objectives of the workshop,
by Dr Bassam Hayek, Director of Cleaner Production Unit

WORKSHOP AGENDA

Day One: Wednesday April 5

- 9:00 - 9:45 Introducing Cleaner Production (CP)
Instructor: Prof. Dieter Mutz, Bassam Hayek
- What CP is about.
 - Benefits for enterprises.
 - How CP is implemented.
 - Presenting a Fact Sheet / Case Example.
- 9:45 - 10:15 Coffee Break
- 10:15 - 11:30 CP Methodology - Identifying Focal Area and Options
Instructors: Rafat Assi, Mohamad Mosa, Muhey Tawalbeh
- Tools (Quick Scan)
 - Material flow analysis
 - Energy flow analysis
- 11:30 - 12:15 Exercise
Moderated by Karim Zein and Rawia Abdullah
- 12:15 - 13:15 Lunch
- 13:15 - 14:15 Exercise
Moderated by Muhey Tawalbeh
- 14:15 - 14:30 Coffee break
- 14:30 - 15:00 Benchmarking
Instructor: Jihan Haddad
- 15:00 - 16:15 Options generation and evaluation; technical and financial evaluation
Instructors: Mohamad Mosa and Najeeb Atiyat

Day Two: Thursday April 6

- 9:00 - 9:30 Exercise
Moderated by Mohamad Mosa and Najeeb Atiyat
- 9:30 - 10:15 CP action plan and follow up + exercise
Instructor: Rafat Assi
- 10:15 - 10:45 Coffee break
- 10:45 - 12:15 Introducing CP Excellence Model (*Instructor: Nael Mulki*)
Clean Development Mechanism (*Instructor: Rafat Assi*)
Environmental Economics (*Instructor: Karim Zein*)
- 12:15 - 13:15 Lunch

Regional Networking ~

- 13:15 - 14:15 Fostering application of Cleaner Production in the Middle East & North Africa (Group Work)
- Justification for regional networking
 - CP related subjects and/or sectors for the region
 - Setting cooperation among institutions in the region
- Moderated by Dieter Mutz, Bassam Hayek, Karim Zein*
- 14:15 - 14:30 Coffee break
- 14:30 - 15:15 Presentation of Group Work results and discussion
- 15:15 - 15:45 Next steps and repartition of roles
- 15:45 - 16:00 Evaluation
- 16:00 - 16:30 Closing session and handing certificates.