

### Sustainable Aspects:

- Leather industry plays main role in the substantial export earnings.
- Provides employment to the marginalized section of the society.
- Gives opportunity to participate to the small scale sector.

### Unsustainable Aspects:

- Water pollution due to discharge of untreated effluent from the slaughterhouse.
- Air pollution due to the foul smell from the slaughterhouse and tannery.
- Unhygienic surroundings due to lack of proper cleaning activities.
- Occupational health hazards to the worker due the use of in chemicals in tanneries.
- Waste water pollution due to tannery effluents rich in chemicals like chrome.
- Huge amount of solid waste production due to tanning processes.

### Target Audience for expert group seminar:

- Leather & related industries
- Industry cluster & Networking experts
- Expert in sustainability assessment
- Micro-regional environmental planner
- Academicians and Re-researcher working with sustainability
- Environmental & Industrial Policy makers/ decision makers
- NGO's working towards sustainable development

### You can be a part and contribute to SINET which will offer:

- Case studies on sustainable industrial networking
- Free participation in Expert group SINET seminar related to the textile, leather and health/medical tourism
- Pilot case studies for sugar, textile, leather and health/medical tourism
- Newsletter & regular updates

### Partners



**International Council of Swedish Industry**



**Network for Preventive Environmental Management (NetPEM) Public Trust**



**Flemish Institute for Technological Research**



**Confederation of Indian Industry**

### Contact Us

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## **Sustainable Industrial Network and its Application on Micro-Regional Environmental Planning (SINET)**

### **(Leather Sector)**



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### Background:

The environmental problems created by industry stem primarily from the use of a strictly linear production process of extracting raw materials and fossil energy, processing the material and energy, and dumping the waste back into natural systems. In response, an innovative new theory termed Sustainable Industrial Network (SINET) is emerging to guide industries towards sustainable production. SINET aims to incorporate the cyclical patterns of ecosystems into designs for industrial production processes that will work in unison with natural systems.

### Aim and Objective :

The overall objective of the proposed Initiative is to develop and adapt solutions to promote sustainability of the micro regions, specifically through making the Industry network (key economic activity) of the micro region more effective and efficient, thereby making products, processes & services at the micro region more resource efficient and less polluting.

### Indian Leather industry:

The leather industry occupies a prominent place in the Indian economy in view of its substantial export earnings, employment potential and growth. The Indian Leather industry is the third largest export earner in the country. The industry covers a vast spectrum of inputs, activities, skills and products i.e. livestock, hides and skins, tanning, leather products and exports. The industry generates huge amount of waste which is utilised by other allied industries for byproduct manufacturing and the remaining amount of waste is then best treated for waste minimization.

No. of authorized slaughterhouses in India	2702
No. of tanneries in India	2200
Share of tanneries in small scale sector	93%
Workforce in Indian leather sector	2.50 million (30% women)
No of footwear manufacturing units	4000 units
Total production cost in India (per pair of Oxford shoes)	528.25-713.97
Labour costs	8.25 Rs./hr
Annual production value	Over Rs. 186.56 billion (3.354 billion Euros)
Annual export value	Over Rs. 93.28 billion (1.677 billion Euros)
Increased export of leather & leather products during first half of 2006-2007	13.02% (Rupees)
Expected export growth in 2006-2007	to cross Rs. 137.76 billion (2.39 Billion Euros)

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