

## ENVIRONMENTAL COMPARATIVE RISK ASSESSMENT: A CASE STUDY

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Health and environmental impacts associated with energy production and industrial activities as well as food production and agricultural activities have had great concern in the last decades. Early activities emerged in late 80s of the last century through an Inter- Agency project (IAEA, UNDY, WHO,...) on the comparative risk assessment from energy systems and industrial complexes. A work-shop on Risk Assessment and Management in large industrial areas was held in Alexandria Egypt on 20-33 Det 1993, sponsored by IAEA.

Several conferences, experts work groups and workshops were held there of Recent trends in determining risks are:

1. Use of probabilistic risk assessment approach to identify hazardous activities and accident scenario.
2. Development of data base on failure probabilities and appropriate physical models.
3. Development of related directives and regulations and criteria

Comparative risk assessment case study as a tool for comparing risk is emphasized Criteria of exposure to human and ecological risks are addressed.