



8th INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“COUPLING GREEN TO BLUE ECONOMIES: HOW ARE CLEANER PRODUCTION AND CITIES LEADING THE NEXT SUSTAINABLE DEVELOPMENT”

Cleaner Production 40 years in China

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The last four decades witnessed a giant step of industrial development in China. To cope with challenges brought by rapid industrialization, China stepped into sustainable transition by taking cleaner production measures, including issue of the Cleaner Production Promotion Law, pilots of provinces and cities demonstration, cleaner production audits in ten thousand of enterprises. Undoubtedly, cleaner production has contributed to the China' economic development miracle and environmental performance improvement. This presentation intends to provide a comprehensive review of cleaner production in China. We will review the following aspects: cleaner production implementation and promotion after initial introduction of these concepts and approaches; cleaner production in key industrial sectors, such as iron & steel, pulp & paper, textile, leather, metals, cement, plastics and chemicals; history and trends of cleaner production education as part of education for sustainable development, etc. The preliminary analysis shows that: 1) the promotion and implementation of cleaner production has extended from the traditional heavy and chemical industrial sectors to the whole industrial sectors, including agriculture and service industry; 2) pollution prevention principles embodied in cleaner production have been integrated into various policies of economic development and social construction, including laws, regulations and rules; 3) a technical supporting system has been preliminarily established for cleaner production, including technical standards, evaluation index system and best available technology list; 4) the term cleaner production industry has documented in the key central government report, which means an industrial ecosystem characterized by cleaner production emerged; 5) cleaner production has permeated into all levels of education systems. On the other hand, there are still some obstacles and challenges in the in-depth implementation of cleaner production in China, including the discontinuity of policies, the movement feature of policy implementation, the poor innovation industry ecosystem, etc.

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