



Sustainable Energy
Technology at Work



Sustainable Energy Technology at Work - SETatWork

Promote Innovative Energy Saving Technology
Transfer into China

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Generals

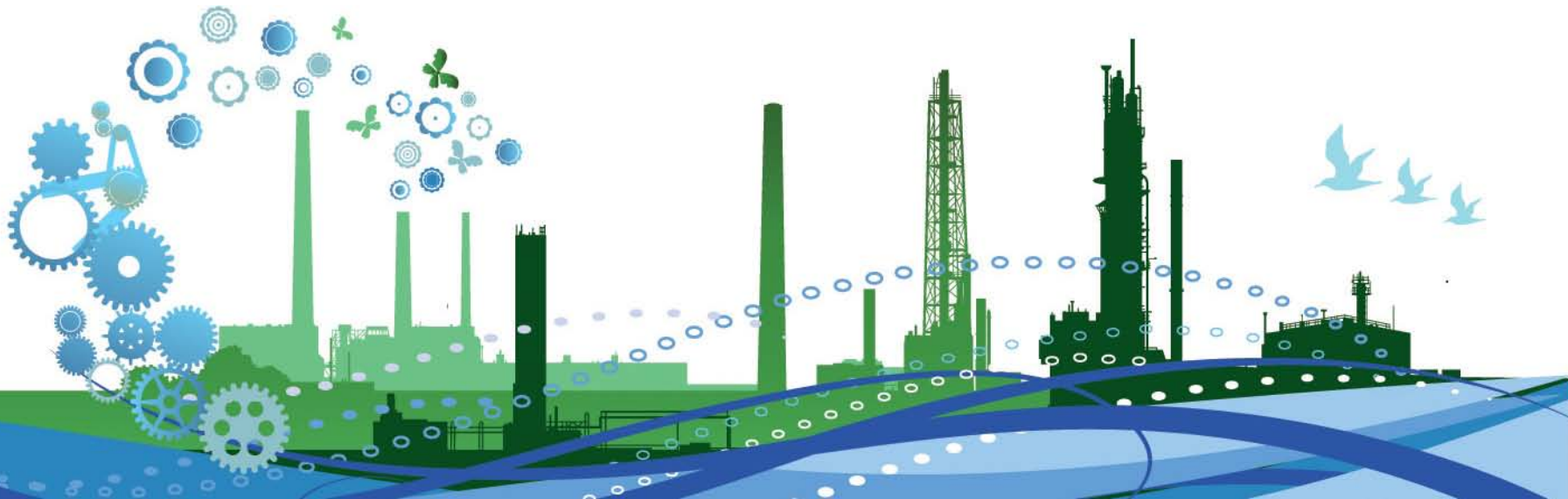
➤ Economy Growth

- ✓ GDP was 24952.99 bil. yuan (approx. 2496 bil. Euro)
- ✓ At 9.8 % of annual average growth rate during 1979-2007.

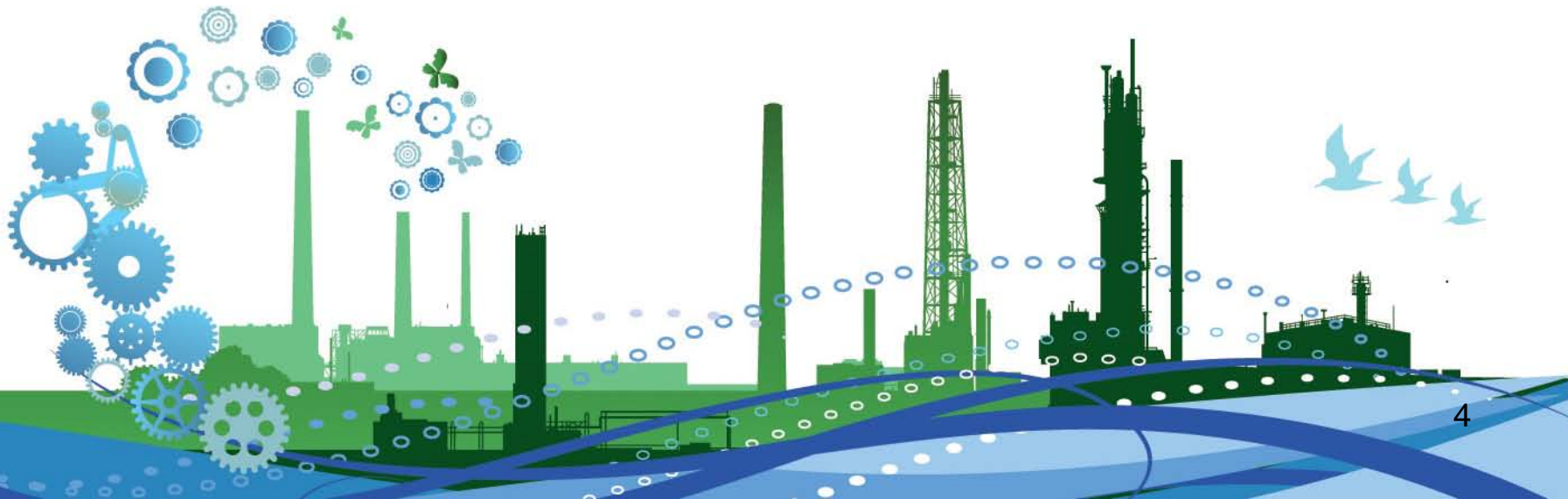
➤ Energy Consumption:

- ✓ Total primary energy consumption was 2655.83 mil. tce (i.e. 1859 million toe) in 2007
- ✓ at 5.44% annual average growth rate during 1979-2007.

- By fuels consumption in 2007
 - ✓ coal 69.5%,
 - ✓ oil 19.7%,
 - ✓ natural gas 3.5%,
 - ✓ rest 7.3% (incl. hydro, nuclear , wind etc.)
- ➔ coal is dominant in Chinese energy mix.

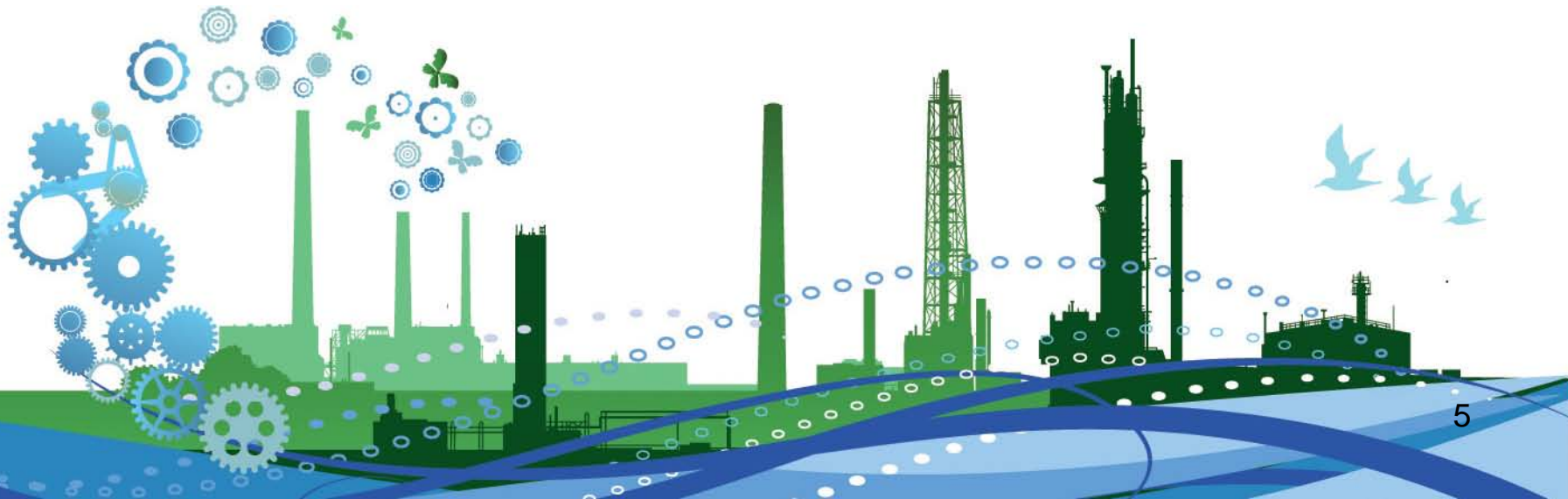


- By industries,
 - ✓ primary industry 3.1%,
 - ✓ secondary industry 73.1%
 - ✓ tertiary industry 13.7%
 - ✓ residential use, 10.1%



➤ Energy intensive sectors

- ✓ metallurgy
- ✓ cement
- ✓ power
- ✓ chemical
- ✓ petroleum
- ✓ textile
- ✓ paper making



China

Need & Opportunities

Taken an example of Zhejiang province in China, energy saving action will target at:

- ✓ energy intensive industrial enterprises
- ✓ EE and RE technology in buildings
- ✓ energy efficiency in transport
- ✓ EE and RE in commercial, public and domestic sectors

Prospects for EU Stakeholders

- Energy intensive industrial sector
 - ✓ innovative process with higher energy efficiency
 - ✓ Higher efficiency boilers, motors etc.
- Energy Efficient Building
 - ✓ Design concept
 - ✓ Integration of EE and RE in buildings
 - Solar thermal use, solar PV
 - Solar shade
 - GSHP
 - Insulation materials of envelop
 - efficient HVAC
- Transport
 - ✓ Technologies
 - ✓ management

Match-Making activity

- In November 25, 2009, Chinese government has issued the target of GHG emission by 2020
 - ✓ 40%-45% reduction of CO₂ emission per unit GDP
- Energy saving still be hot topic
- Matchmaking events in China
 - subjects: energy saving technologies, and RE applications
 - tentative time: March or April 2009
 - place: Hangzhou and/or Guangzhou, China



Find out more about the activities of SETatWork
and access the SETatWork Database at:

www.SETatWork.eu

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