

水效：概念、框架与指标

Water Efficiency: Concept, Framework and Indicators



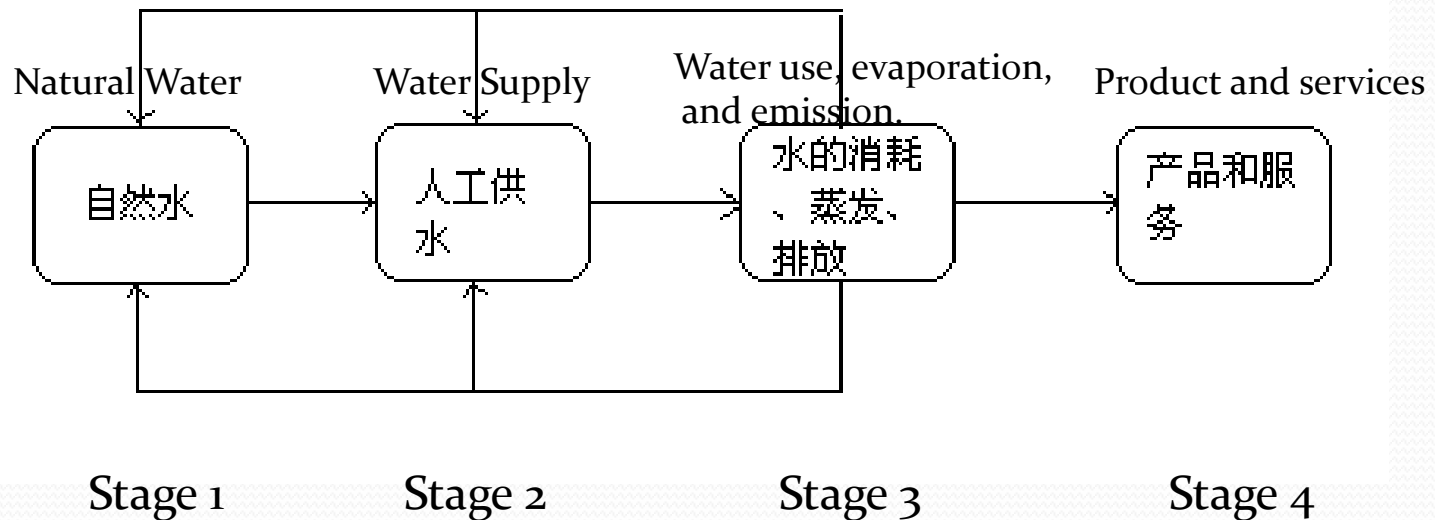
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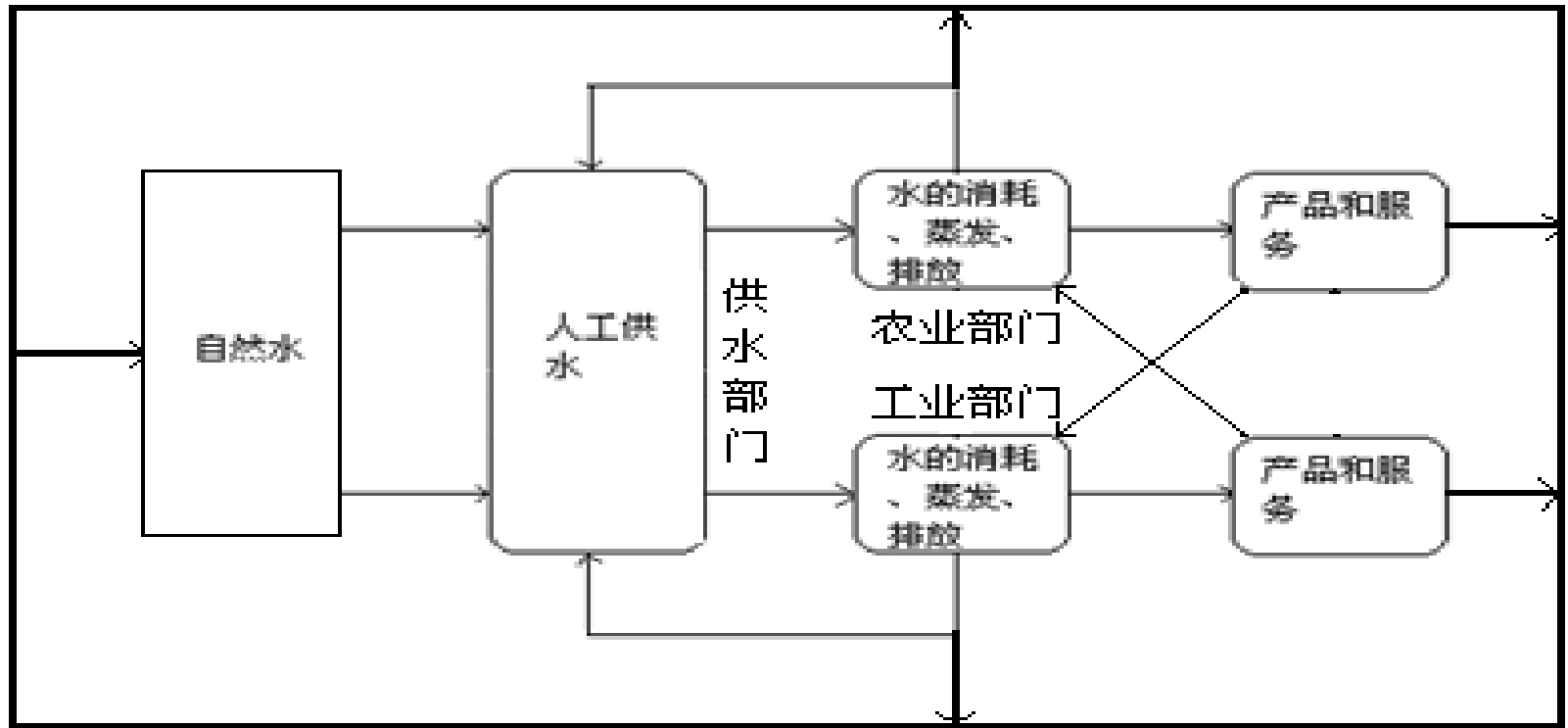
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- 水效的指标和测量/M Measurement of Water Efficiency
- 中国的水资源与水效/Water Resource and Water Efficiency in China

水效的概念性框架/Conceptual Framework on Water Efficiency



水效的概念性框架/Conceptual Framework on Water Efficiency



A Tri-sector Framework

水效的概念性框架/Conceptual Framework on Water Efficiency

- 水效：
 - 一定数量水投入带来的有用产出/一定数量有用产出所消耗的水量
- Water Efficiency:
 - Valuable output based on unit water input/ Water input for a certain amount of valuable output

水效的指标和测量/Measurement of Water Efficiency

- 水效的指标/Indicators on Water Efficiency
 - 实际水耗/参考水耗
 - Real water use/Reference water use (or best practice level)
 - 单位水投入带来的产出数量（物理数量）
 - Physical amount of valuable output based on unit water input
 - 单位水投入带来的产出价值（市场价格）
 - Market value of valuable output based on unit water input
 - 一定价值的水所带来的产出价值（市场价）
 - Market value of valuable output based on unit value of water (Cost-effective)

水效的指标和测量/Measurement of Water Efficiency

- 一定价值的水所带来的产出价值（市场价）
 - Market value of valuable output based on unit value of water (Cost-effective)

中国的水资源与水效/Water Resource and Water Efficiency in China

- 2012年全国总用水量6141亿吨，年均缺水400亿吨
 - Total amount of water use was 614 billion tons in 2012, with a shortage of 40 billion tons
- 63%农业用水，3868亿吨
 - Agricultural use accounting for 63% of total water use, more than 380 billion tons
- 2011年城市供水425亿吨
 - 漏损率15.7%/Leakage loss: 15.7%
 - 再生水利用率8%/Utilization rate of recycling water: 8%
 - 城市缺水60亿吨/Urban water shortage: 6 billion tons

谢 谢

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