EMAK Workshop 3
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1. The Drivers for EM

- “the government made us change”
- Good business sense – growth, profit
- EE the next largest resource
- Focus on largest users or costs
- Utility, network pricing / incentives
- Global and local environmental challenges
- Business processes; ISO9000, 14000, 51000
- Product development
- Process technology developments; dry clinker,
- Crisis, recession, trade issues...
  - many drivers, not just MJs
2. FOCUS. Substantive change from:

- Much of the potential lies in a few growing energy intensive industries: mining, metals, cement, timber & paper, chemicals...
- Process EE is often limited by chemical thermodynamics, but process scale, complexity and human factors offers large EM potential
- Developing country productive sectors; >50% of TCE
- EM techniques also work for commercial transport, generation,
- Broad view of drivers; productivity not just GHG
- SME; IAC, ‘supportive measure’ how to ‘hold their hands’ cost effectively
3. EM policy options

- (Mandatory) energy saving targets
- ESCo – capacity and capability, finance
- Fiscal instruments & ES certs
- Norms, targets and benchmarks
- Audits, surveys, data analysis
- MV&E, assessments, reporting, compliance,
- Energy – mass thermodynamics analysis
4. EM strategies in industry

- commitment
- plans,
- leadership, people, organisation...
- data, evaluation,
- decision making,
- implementation, monitoring,
- communication,

These strategies are getting more sophisticated
5. EMAK must do....

a. A really smart EMAK (multi-language) global communications portal with webinars etc
b. EM process guides for industry; PRO, etc
c. EM policy pathways for govt: PAT, EEO, IAC, policy options, etc
d. Capacity building: training E managers technicians, consultants, governors, accountants, policy advisors, politicians ...
e. Technology options that work with EM esp SMEs (Insulation)
f. Help us understand the CE’s mind, and how to motivate their EM behaviours
g. Standards, systems, protocols, guides for EM techniques; data, HR, etc
h. Identify multiple benefits and returns from EM measures
i. Identify supply chain opportunities for EM (SMEs?)
j. What can we do for globalised businesses?