Workshop on 21st Century Standards – Overview and objectives

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www.iea.org
Scope for new approaches and opportunities

EESL programmes in 80 countries, covering 50 products
• instrumental in achieving energy savings
• but new opportunities that can make programmes more effective are not exploited

Traditional EESL Programmes
• Updating is slow
• Gathering data is costly
• Usage patterns get outdated
• Compliance is difficult
• Labels provide limited information

ICT offers
• Product registries
• Access to sales data
• Real time energy use data
• Better labels
• Apps for consumers
### ICT can help ensure better programmes

<table>
<thead>
<tr>
<th>Gathering data</th>
<th>Sales, stocks, usage patterns, energy use</th>
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</thead>
<tbody>
<tr>
<td>Analysing data</td>
<td>Trends, policy impact, market changes, energy savings</td>
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<tr>
<td>Developing energy efficiency standards and labels</td>
<td>How can we save time and resources? How can we streamline? Evaluating impact</td>
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<tr>
<td>Registering products</td>
<td>Transparency, streamlining processes, information for consumers</td>
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<tr>
<td>Compliance</td>
<td>Reducing costs, improving compliance, more effective compliance checks</td>
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<tr>
<td>Consumers</td>
<td>Providing information when needed in an accessible format, engaging consumers</td>
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Session 1: International Experience with product databases
Energy Efficient Product Databases: The Opportunities

Improved information for consumers

- Labelling + scheme: allows for more temporal, regional and other specificity
- Potentially allows for more effective behavioral cues
- Aligned with “big data” opportunities
- Decentralized potential if open for 3rd party development
- Can help to integrate an EE policy framework – provide information on incentives

Assisting regulatory process for products

- Simpler product entry and management
- Easier to identify reporting errors and persistency
- Potential for alignment on product testing
- Facilitates checking compliance
- Facilitates development of future standards and policy
- Works to integrate other EE framework policy
Session 2: Technologies to help inform and engage consumers
It is not easy being an energy efficient consumer...

- Finding the right information
- Finding the label
- Understanding the label
- Using it to make an energy efficient choice
Helping consumers

- How to engage users?
- What information do they need to make energy efficient decisions?
- Can these approaches also help data collection efforts?
- Can they promote compliance or facilitate compliance checking?
Session 3: New technologies to improve energy efficiency standards and labels programmes (focus on data)
Standards & labels are effective

4E 2015
But what actually happened?
Better data shows actual impact

4E 2015
Getting and analysing data

- More data = more opportunities
- Crawling/scavenging (sales)
- Accessing metered data
- Converting metering data into useful data (energy use and usage patterns)
- Getting devices to report data (energy use and usage patterns)
- Data sharing?
Session 4: Using new approaches and technologies for developing and evaluating programmes (panel discussion)
Panel discussion – reflecting on topics covered at the workshop

- Sweden
  - We could share data

- Thailand
  - We are planning an evaluation next year

- Ukraine
  - Could initiate a joint project?

- Mexico
  - Data crawling sounds interesting

- Netherlands
  - There are better ways of accessing data

- South Africa
  - We are considering QR codes

- Brazil
  - More research is needed

- European commission
  - What about data on commercial equipment?
Session 5: Moving forward (scope and opportunities for cooperation and next steps)
Opportunities for cooperation

Where is there scope for cooperating?

- Exchange of experience
- Sharing methodologies/approaches
- Sharing data
- Joint projects

What roles could different organisations play?

IEA – SEAD – 4E – U4E – others?

Practical matters

- Coffee breaks
- No cups in the room!
- Large bags in the cloak room downstairs
- Lunch
- Dinner (who is joining?)
- Fire safety
- WiFi

USERNAME: DELEGATE
PASSWORD: meetings

19:00
Rive Gauche
Restaurant
19 Rue Desaix,
Tel: 01 47 83 46 93