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Workshop on 21st Century Standards – Overview and objectives

Vida Rozite

Energy Efficiency Unit

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Scope for new approaches and opportunities

EESL programmes in 80 countries, covering 50 products

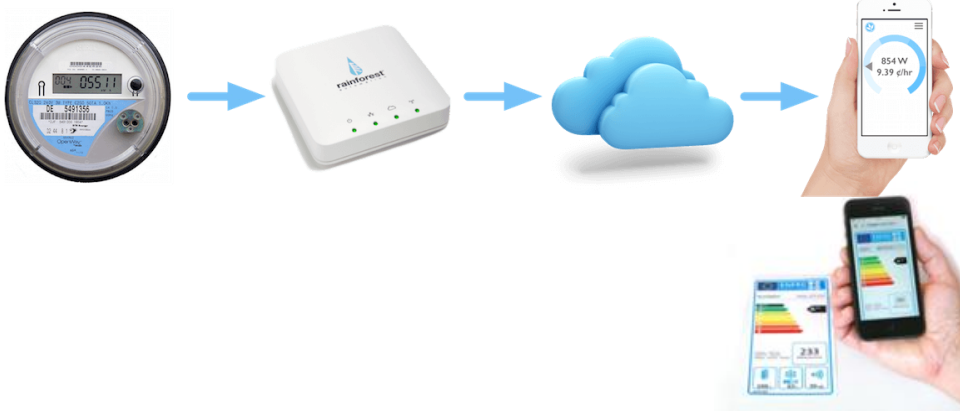
- instrumental in achieving energy savings
- but new opportunities that can make programmes more effective are not exploited

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- Usage patterns get outdated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

Gathering data	**Sales, stocks, usage patterns, energy use**
Analysing data	**Trends, policy impact, market changes, energy savings**
Developing energy efficiency standards and labels	**How can we save time and resources? How can we streamline? Evaluating impact**
Registering products	**Transparency, streamlining processes, information for consumers**
Compliance	**Reducing costs, improving compliance, more effective compliance checks**
Consumers	**Providing information when needed in an accessible format, engaging consumers**

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Session 1: International Experience with product databases

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Energy Efficient Product Databases: The Opportunities

Front end

Back-end

Improving 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

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Session 2: Technologies to help inform and engage consumers

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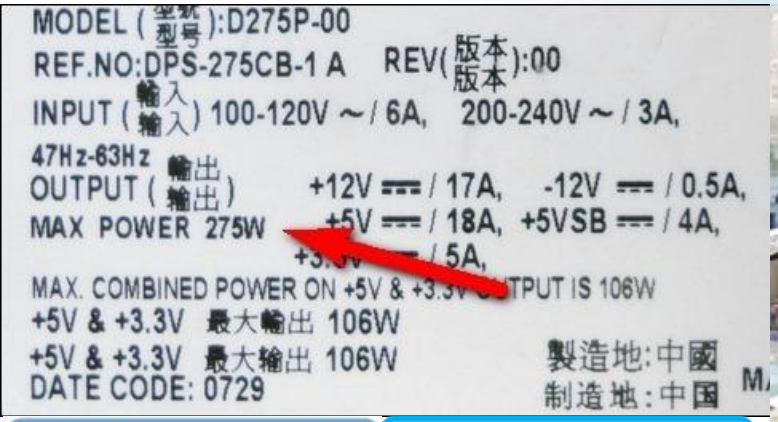
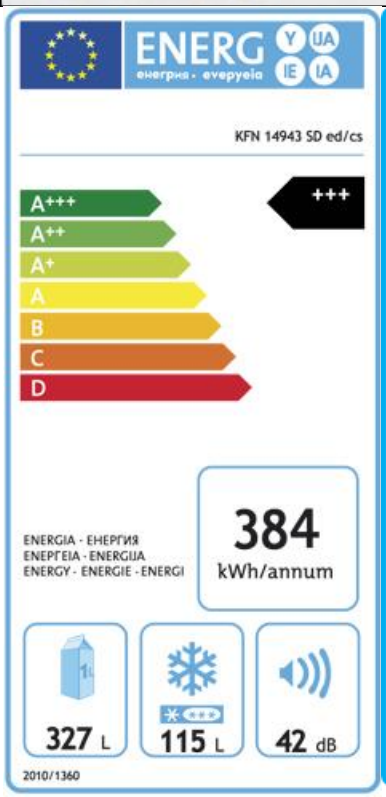
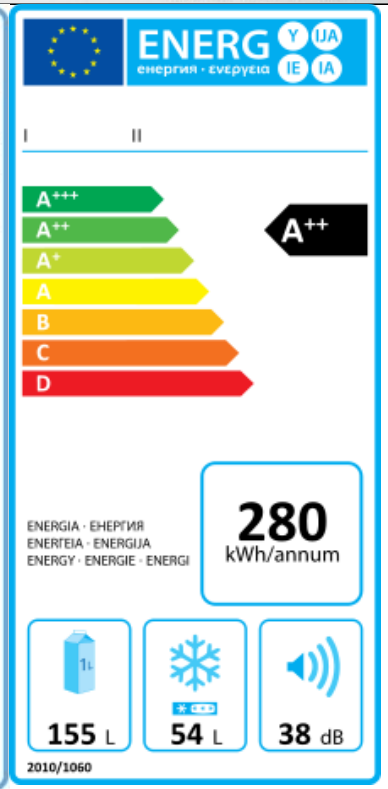
It is not easy being an energy efficient consumer…







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

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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?

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Session 3: New technologies to improve energy efficiency standards and labels programmes (focus on data)

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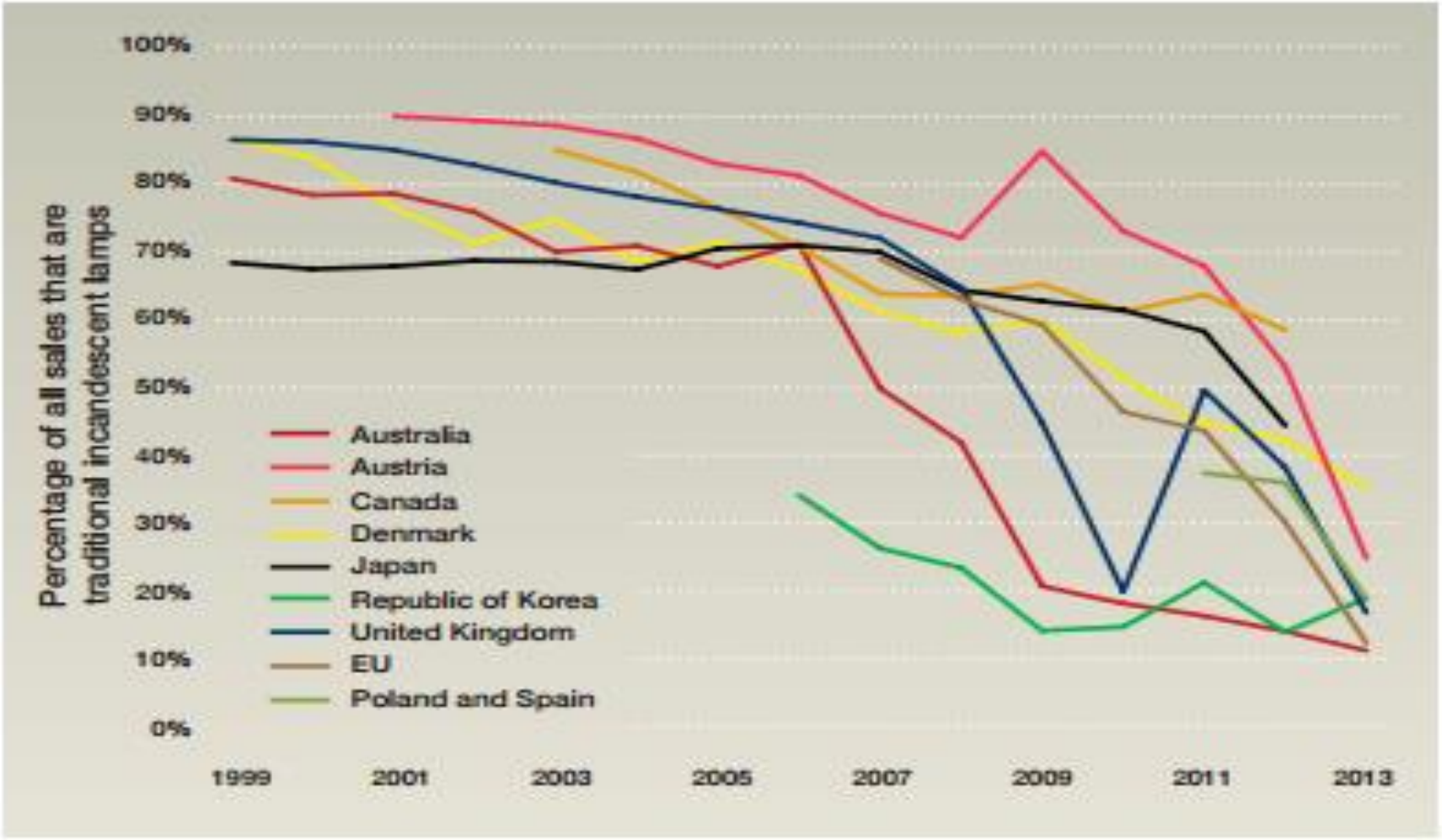
Standards & labels are effective



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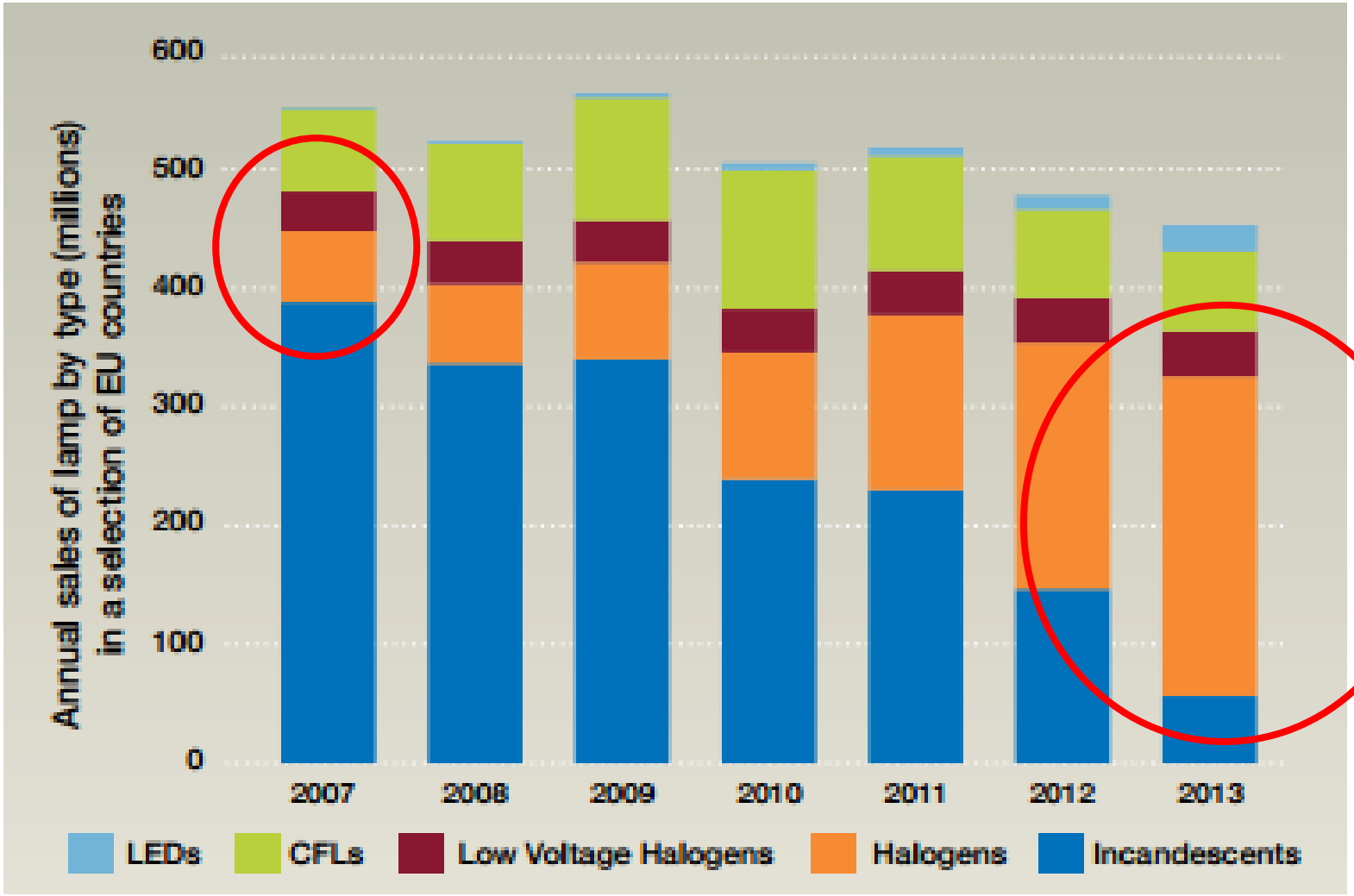
But what actually happened?



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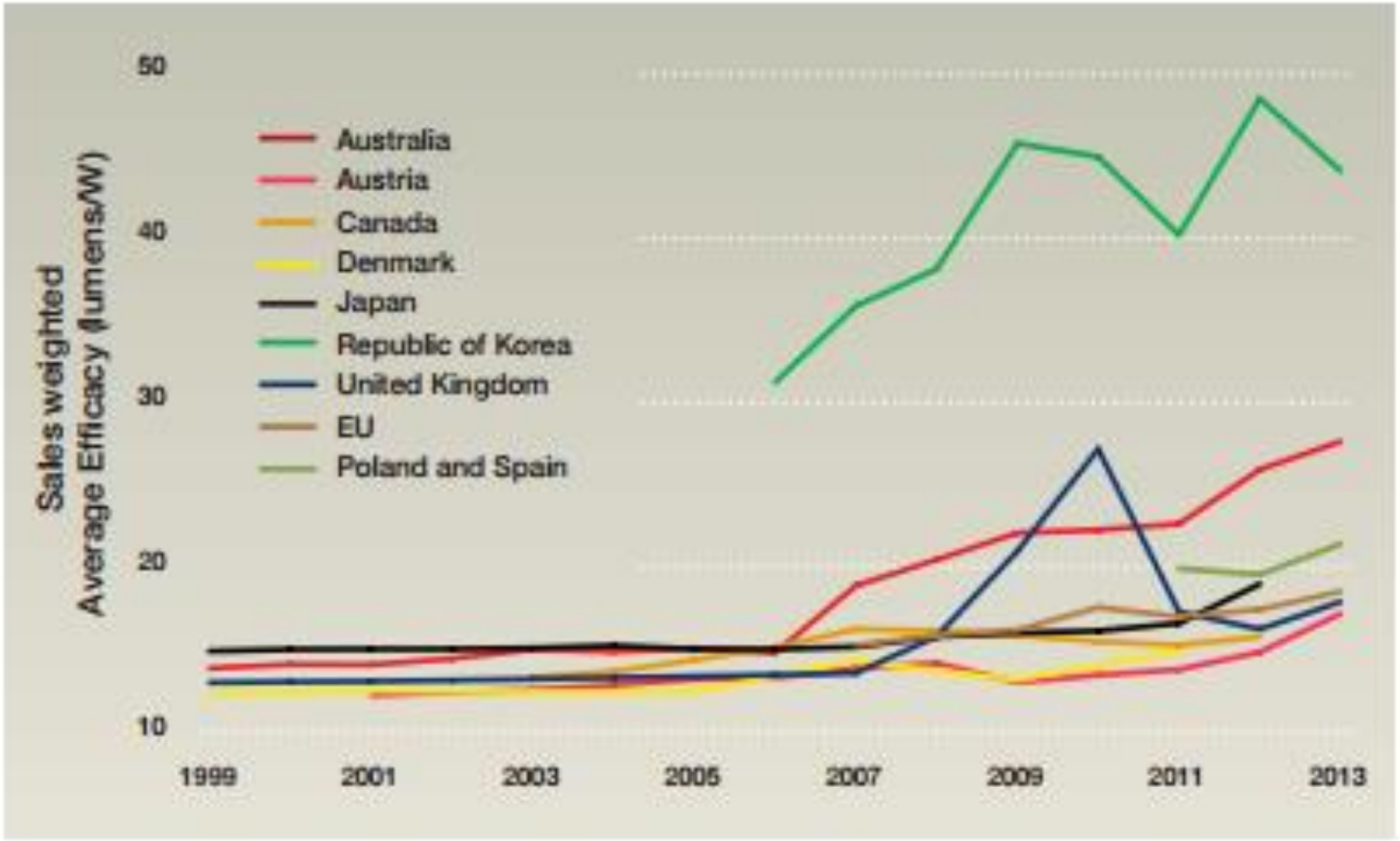
Better data shows actual impact



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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?

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Session 4: Using new approaches and technologies for developing and evaluating programmes (panel discussion)

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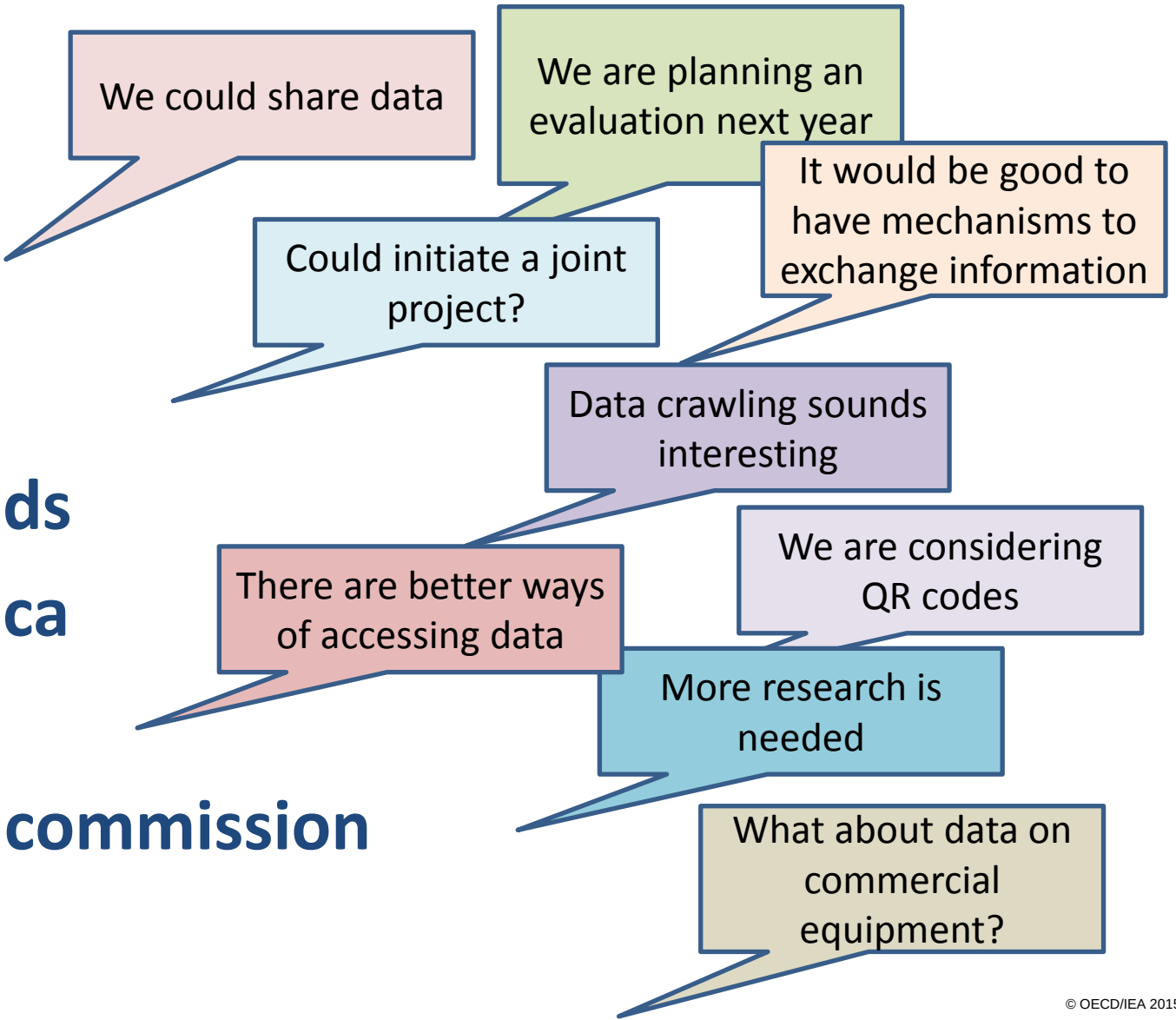
Panel discussion – reflecting on topics covered at the workshop

- Sweden
- Thailand
- Ukraine
- Mexico
- Netherlands
- South Africa
- Brazil
- European commission



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Session 5: Moving forward (scope and opportunities for cooperation and next steps)

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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?

Next steps? Needs? Gaps? Project ideas?

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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

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