

## EEWP meeting

Germany, Australia, Austria, Canada, China, Korea, Denmark, Spain, Estonia, USA, Brazil, Hungary, Ireland, Italy, Finland, France, India, Japan, Thailand, Switzerland, Sweden, Netherlands, Portugal, UK, Czech republic, Slovakia, Singapore, ..

### **Morning Presentations:**

Hans Paul-4ETCP

4e at a glance

- ✓ Share expertise and develop understanding of end-use equipment and efficiency policies, coordinate international approaches.
- ✓ 2008, young, 12 member countries
- ✓ Help governments maximize energy efficiency to tackle challenges in non-transport area

Findings:

- ✓ Standards and labelling programmes have large effect, Long term purchasing prices declining with increased efficiency, so costs end users are neglectable
- ✓ Lighting: imperative that tech implemented in market need to meet claimed performance and expectations. Many ways to do that: voluntary and mandatory programmes, information campaigns etc.
- ✓ Motor Systems: expansion of EE policies can increase savings of tech, standardization, testing, metrics etc facilitate adoption and improve alignment
- ✓ Network devices: CDA voluntary principles for EE connected devices set up by 4E and these should be adopted by relevant stakeholders.

Achievements

- ✓ Policy guidelines, roadmaps, performance tiers, reports
- ✓ All freely available at website 4E, including nice short videos what 4E is about and what the connected device annex does etc.

Forthcoming activities:

- ✓ Programme of Interlaboratory comparison fro LED lamps
- ✓ Input EE Market Report
- ✓ Report on impact voluntary agreements EE
- ✓ Policy guidelines motor driven units
- ✓ Energy and Digitization report input

Discussion/Questions

Sam: thanks for all cooperation

Canada: is participating country, supports work, has helped advance policy in Canada, greatly appreciated

Carrie/manager TCPs: expand on contribution of delegates on annexes = providing data.

France: how much of reports and findings are transferrable to developing countries.

Melanie: training weeks using experience of 4E and usually led by operating agents of 4 E, so experience is made use of in developing countries.

### **Energy in Buildings and Communities- Brian (IEA)**

Current strategic plan:

- ✓ Integrated planning and building design
- ✓ Building energy systems
- ✓ Building envelope
- ✓ Community scale methods
- ✓ Real building energy use

This is thus a good time to help influence research for next 5 years. Future building forum hosted Singapore is on input entries. Theme: transforming cities in hot and humid climates towards more efficient and sustainable energy use.

- ✓ Meeting increasing needs for cooling and dehumidification and ventilation. Deploying low carbon solutions for buildings and communities.
- ✓ Running: deep renovation of historic buildings
- ✓ Renovation at district level
- ✓ Energy endeavor
- ✓ Net zero energy public communities (cooper with TCP Solar, Heating, Cooling)

Key theme is also city level projects, which bring issues together such as transport, people, buildings

Q Denmark: EBC very much technology or hardware focused...

Brian: changing policy is indeed less a focus, more material R&D, modelling etc. Part of ongoing discussion, working on guidance for operating agents, on how to communicate their deep research findings to other types of readers...

Q Carrie: EBC is very active on urban and city level policy, prime, prep, train local decision makers on EBC issues.

### **Louise Vickery, Energy Efficiency Renewable Energy Alignment**

- ✓ IEA member activities
  - High level forum and EEWP
  - SLT meeting December
  - World Energy Outlook
  - Market reports
  - Member knowledge groups and REWP

- IEA SLT CERT workshop
- Clean Ministerial
- IPEEC
- ✓ Frame issue in 3 dimensions
  - Designing policies and delivering end goals cost effectively
  - **New policy thinking required as pace and scale of deployment grows**
  - **New solutions that are intersecting tech (digitization), people, market demand change in policy thinking**
  - **Where a clear distinction existed between supply and demand this is no longer the case. About interaction between demand and supply. Need policy and tech to help deal with that**
- ✓ **Also more energy services approach needed focused on function and value of energy**

Emerging issues even more important to nearly movers and those with strong targets

Proposed next steps:

- ✓ Apply the above thinking to sectors or policy area of greatest benefit to members
- ✓ IEA and CEM workshops- focus on an area, write up with cases, Joint EEWP and REWP workshop April 9<sup>th</sup>, CEM workshop May 2018
- ✓ Focus are: build environment, market instruments, industry, tools to inform optimal mix, urban planning, sector coupling
- ✓ Discussions on policy and tools

### Reactions Plenary to TCP DSM:

Tom Bastin: excellent sales pitch

Ireland (Jim Scheer): strong endorsement, experience working with the DSM TCP and the behaviour task in particular was enlightening and led to thinking out of the box beyond economics and engineering, a breath of fresh air, led to the formation of new units and new policies. What remains difficult is the measuring of the impact of behaviour change policies and measures.

IPEEC: Ailin Huang (programme officer IPEEC), Argentina just expressed a strong interest in behaviour of different target groups as the focus for their presidency term. And ALADIN (energy agency for Latin America?) expressed need to start working with IEA on this.

Sam/Tom Bastin: the platform that the IEA is developing needs to take the input from the TCPs onboard. In reaction I asked how, and if potentially the DSM university could be pushed on that platform, and if training and capacity building based on our tasks could be pitched there. And the answer was Yes, absolutely.

Sam: the IEA secretariat is in a strategic discussion on future work, and for example the digitization report sets the scene for much new work within the TCPs.

Denmark: seems that the DSM TCP is ready for a new name considering its broader systemic focus?  
Answer Ruth: whatever we do still comes from the Demand Side perspective....but perhaps management is no longer fully covering the work..

Hungary: the focus on the system and therefore other carriers and sources than only electricity would be an opening for Hungary to participate, for example on a task on heat pumps including the soft aspects.

During coffee break I met our new desk officer, a political scientist with great enthusiasm who was excited to hear about how the DSM TCP aims to move away from a mere tech focus.

Also met Benoit Lebot and Ailin again and they introduced me to Andrea Heins, undersecretary of energy efficiency and savings of the Ministry of Energy and Mining of Argentina. They are very interested in making use of all the knowledge on behaviour change both amongst consumers and amongst technology and business developers (task 16, 24, 25) . They are starting from scratch in Argentina, with a strongly funded energy system (people used to pay 10 and now 50%) of the real market price.

Benoit said he really want cooperation, but they have no money, they can help with the networking however, and the governments involved do have a lot of money.

**Second part (joint meeting EEWP, EUWP, IPEEC). So more countries and organisations joined, e.g. Italy, Argentina, UN Environment, CEM secretariat, Morocco, and for some countries the delegates changed.**

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Not sure why we were not asked to present here again, given that the other two TCPs (4E and ECB) were presenting again as well...

What becomes very clear however, is that most of the collaborations work because the experts are contributing from their professional positions, where their organization provides in kind contribution through these experts. They are platforms, collaborations that fit within the organisations mode, for example because they are based on research and publications.

**Presentation Hans Paul again,**

about Connected Devices Alliance which is a cooperation between the TCP and IPEEC around a centre of excellence

4E is very active in collaborations, but they have a totally different funding scheme which is based on voluntary in kind contribution and assigned persons from energy agencies, which makes this possible

**Presentation SEAD by Nicole Kearny (CLASP).**

Focused on appliances and energy efficiency policy.

Already cooperating a lot with IEA 4E, so about continuing this cooperation.

### **Task group Transport IPEEC and other G20 countries.**

US Environmental Protection Agency leads

Voluntary platform

Aimed at improving energy and environmental performance of motor vehicles, especially Heavy duty Vs.

### **Christine Rousselle-TCP clean and efficient combustion**

Could not see clear potential link with our TCP, very very technical TCP on combustion in vehicles. Only combination is focus on multiple benefits (but they do not name it such) such as less local environmental pollution.

### **BEET: Building Energy Efficiency Task Group.**

Collaborative platform to research inform and support development of effective building energy efficiency policies. Mainly on ratings, codes, performance metrics, policies.

### **EBC presentation again by Brian Dean**

The set-up of this session, with only presentations and no time for questions and comments really breaks down the purpose of the meeting....

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## **Afternoon**

### **UNEP presentation Mark Radka**

Several UNEP divisions

1. Climate change
2. Resource efficiency
3. Disasters and conflict
4. Environmental discourse

Focus on mitigation, reduction energy related GHG emissions.

Initiatives

- Climate Clean Air
- Climate Technologies Centre and Network
- Global Alliance for Building and Construction

- United4Efficiency (about capacity building focused on lighting)
- Global Fuel Economy Initiative
- Copenhagen Sustainability for All (SEforALL)
- District energy in Cities initiative (new)

Services:

- Improve uptake
- Catalyzing funding
- Providing policy advice
- Improve understanding of science

### **Opportunities for cooperation UNEP:**

- UNEP wants to accelerate energy efficiency through innovation in delivery models (direct link task 16+25)
- United4Efficiency (about capacity building focused on lighting) is link if our TCP also starts focusing on lighting
- UNEP explicitly looks for cooperation, they want to bring about the dialogue

### **CEM secretariat**

24 countries +EC participate

They have multiple events such as the energy ministerial meeting, round table events, side events, work streams etc.

They generate campaigns based on initiatives such as SEAD, ISGAN, CLEAN ENERGY SOLUTIONS CENTER.

CEM has a workstream on Energy Demand with topics:

Appliances, industries, buildings, transport.

### **Collaboration opportunities**

- CEM already explore links with other TCPs such as 4E
- CEM starts two new initiatives where we can connect through the creation of new tasks or adding subtask to existing tasks: Eco towns, Near Zero Buildings
- Next meeting is 23-24 May in Copenhagen

### **MeI Slade IEA and Benoit IPEEC**

Presentations mentioning again the work of IEA and IPEEC and desire to find common ground to collaborate

### **Breakout sessions to reflect on cooperation**

**Interesting points raised:**

- **Challenge to translate the international cooperation findings to country level**
- **Many countries present mentioned that they did translate TCP findings into policies or measures (Ireland for example, Portugal)**
- **Important to know about the reporting requirements of each country**
- **A good connection to industry from a TCP is as valuable as connection to policy, as long as TCP impacts on innovation in country.**
- **G20 is establishing a task force to implement an EE hub between IEA and IPEEC to break down silos.**