

## IEA Task 36: Integrating energy recovery into solid waste management.

### Fifth Meeting of Triennium 2013-2015, Bordeaux, France, 2<sup>nd</sup> – 4<sup>th</sup> June 2015

## Minutes of meeting

### Present

|                 |                            |                    |                            |
|-----------------|----------------------------|--------------------|----------------------------|
| Pat Howes       | UK – Task Leader           | Niranjan Patel     | UK – Assistant Task Leader |
| Kathryn Warren  | UK – Assistant Task Leader | Elisabeth Poncelet | France                     |
| Giovanni Ciceri | Italy                      | Inge Johansson     | Sweden                     |
| Jürgen Vehlow   | Germany                    |                    |                            |

### Apologies

|                   |         |
|-------------------|---------|
| Helmut Seifert    | Germany |
| Michael Becidan – | Norway  |

## Summary of Actions

| No.                            | Who?  | Action   | Done? |
|--------------------------------|-------|--|-------|
| 1                              | PH/KW | <b>Produce summary report of the workshop, and to upload country presentations to website.</b>                             |       |
| <b>ExCo Update</b>             |       |  |       |
|                                | IJ    | IJ to speak to Swedish gas centre to see if they would be interested in waste issues                                       |       |
|                                | PH    | PH to discuss re-orientation of Tasks on the basis of feedstock rather than technology with David Baxter and Gerry Murphy. |       |
|                                | EP    | EP to see if she has a contact in Poland who may be interested in observing or participating as a non-member.              |       |
|                                | KW    | To speak to Simon Pow (Ricardo-AEA) about Poland.  |       |
|                                | PH    | To circulate Task 37 proposal for information.   |       |
|                                | PH    | To speak to Steve Shuck about potential Australian membership.   |       |
|                                | PH    | To circulate Task 36 progress report, presented at the ExCo  |       |
| <b>Next Triennium planning</b> |       |  |       |
|                                | KW    | To revise Table on tasks and country leads and circulate to members for feedback   |       |
|                                | PH    | To keep Task informed of potential strategic project on Waste.   |       |
| <b>Topic Reports</b>           |       |  |       |
|                                | KW    | To circulate EfW paper for review  |       |
|                                | PH/KR | To discuss project on MSW RDF mass balance   |       |
| <b>Next meeting</b>            |       |  |       |

|  |     |   |  |
|--|-----|---|--|
|  | All | To inform KW when travel arrangements for Berlin have been made |  |
|--|-----|---|--|

## ExCo Update

PH updated the group on the last ExCo meeting in Dublin:

- Membership – only Sweden and Germany had confirmed membership. However, France were not in attendance. EP advised that the Ademe position will be known at the end of July. MB had since provided a reassuring email that Norway are planning to join. Italy has also confirmed interest. UK are undecided. US might like to be an observer for the first year, and then join for the last 2 years. PH has not heard anymore from South Africa who had been interested.
  - A discussion was held around what would happen if there were only 2 countries joining. One potential is to look at splitting the Task work by feedstock rather than technology. This would bring AD of waste back into our Task as it concerns waste feedstocks, which are of limited interest to the AD participants. IJ is going to speak to Swedish gas centre to see if they would be interested in waste issues. PH to discuss with David Baxter and Gerry Murphy.
  - EP asked about Poland. They are not an ExCo member, but we are allowed to outreach to countries outside IEA member countries. EP will see if she can find a contact there. KW to talk to Simon Pow (Ricardo-AEA) about potential contact there.
  - JV asked about Switzerland. Art Wellinger has spoken to them on our behalf and they will not be joining the Task.
  - There was also general agreement that we would benefit by expanding to embrace other countries. IJ asked about Netherlands. There could be potential for those who are interested in AD of waste, rather than AD in general – they could be interested in Task 36. PH to circulate Task 37 proposal. It was discussed that perhaps widening our remit would make the Task more attractive. IJ suggests contacting old members to see what they might be interested in to get them to join. PH – try to speak to Australia again (Steve).
- PH updated task members on other ExCo points –
  - The ExCo is interested in more strategic projects and Task collaboration. It has been suggested that one strategic project could be done to combine the different interests in waste in the different Tasks. For example, Tasks 32, 37, 40, 42 and 43 all mention waste in their proposals for the next Triennium. PH has written to the Task Leaders for these Tasks to gauge interest.
  - The ExCo is also proposing to combine all of the Task web sites onto the central IEA Bioenergy website, so that each Task would have a page on the IEA Bioenergy site. A discussion was held about the ExCo central website proposition. It was agreed that this idea has good and bad points
  - The next ExCo meeting after Berlin is in Rome. Is this a possible opportunity for Italy to host a task meeting?
- PH – circulate progress report submitted to The ExCo.

## Next Triennium Planning

- The triennium proposals were discussed, and some initial suggestions on topic leads were:
  - There were a number of suggestions for a “Circular Economy Workshop”. For example, this could examine the impacts of different materials; making EfW integral to the circular economy; extending the range of materials recovered from incinerator bottom ash (IBA); the use of EfW to destroy unwanted elements and to recover materials from residues. This work could be led by Sweden and the UK.
  - SRF workshop – to be led by GC, in conjunction with Task 32. It was suggested that this could include the co-firing of refuse derived fuel with coal, biomass and in cement kilns; and that it could examine the torrefaction of residual waste for co-firing.
  - Policy trends workshop – IJ to lead?
  - Transboundary waste/trade in waste. There is a new EU report on the transport of waste – EP to circulate
  - Developing Economies - JV to send out information on ICIPEC conference. Even if we don't have South Africa in the task, there is still an opportunity for outreach in this area. ISWA are also working in this area. Ep will be attending a conference in Martinique and will report back on opportunities from this.
  - Trends in C&I waste: Task members were not convinced that this is a separate topic to refuse derived fuel. In addition the proposal should read ‘trends in generation and use of C&I waste’ not production of C&I waste.
  - The countries need to be swapped on the task table as indicated above. This will be circulated for everyone to feed back.

## Current project updates

- **Small Scale EfW**
  - IJ gave an update. He will include a brief summary of why Germany doesn't have small scale EfW. JV has sent data from Germany.
  - EP is to finish her section and pass to IJ
  - GC is to update his work with additional data
  - A draft paper has been submitted for presentation at ISWA. KW to circulate paper for comments
- **Gasification**
  - KR presented final report. KR to remove sensitive information (columns L&M) so that PH can put paper on website.
- **Proposed new project**
  - The Task discussed a project on MSW RDF mass balance. This was requested by the UK Operating Agent (DECC) and has not been done until now because of the uncertainty in UK funding. KR and PH to define what is needed prior to KR to putting a proposal forward. The core aim of the DECC was to have an understanding of the mass balance/energy balance of refuse derived fuel compare to MSW to understand the advantages/disadvantage for energy recovery of refuse derived fuel.

### Next meeting planning

- KW presented the timetable for the conference and task meetings at the IEA conference in Berlin in October
- Task members to let KW know when they have made travel/accommodation bookings

### Workshop

- A workshop was held on impacts of policy on EfW in task member countries. See separate workshop summary.

**Pat Howes, Kathryn Warren**

**July 2015**