

Action 8, Bioenergy and Renewable Fuels for Sustainable Transport, Status

ETIP Bioenergy, Stakeholder Plenary Meeting #8

Timo Ritoum
Energy Department
Ministry of Economic Affairs and Employment

11.4.2018



Työ- ja elinkeinoministeriö
Arbets- och näringsministeriet



Implementation Plan of SET Plan Action 8 on Bioenergy and Renewable Fuels for Sustainable Transport



Timo Ritonummi
WG8 Chairman;
Deputy DG, Energy Department, Ministry of
Economic Affairs and Employment, Finland

Co-chairs
Franco Cotana, IT, Univ. of Perugia
René Venendaal, ETIP Bioenergy
Björn Fredriksson-Möller, ETIP Bioenergy

SET Plan: Actions, IPs, TWGs etc.



- SET Plan has 10 Key Actions, under them 14 Implementation Plans (IPs)
 - *See next pages*
- Temporary Working Groups (TWGs) prepare IPs ([1½.]...1...1 ½ years)
- IPs are all individuals; same hat does not fit all
- After endorsement of IPs the real work starts; execution/enforcement of IPs
 - Monitoring and disseminating activities progress and results (JRC)
 - Post-endorsement: workshops for stakeholders, co-operation etc.
 - ETIPs have strong role
 - NOTE: SET Plan or Actions/IPs don't have extra funding. All done with existing & future resources (EU, national, private)
 - Not closed club: can join in (and step out) – but no free lunch...
- So far 8 IPs have been endorsed by the Steering Group (SG) and the rest 6 IPs (including Action 8) are to be endorsed in June 2018 SG meeting.

SET Plan Integrated Roadmap (13 themes)

T10: Development of renewables

T8: System flexibility

T1: Engaging consumers

T2: Smart technologies for consumers

T6: Modernising the electricity grid

T7: Energy storage

T8: System flexibility

T9: Smart cities & communities

T3: Energy efficiency in buildings

T4: Energy efficiency in heating & cooling

T5: Energy efficiency in industry & services

T7: Energy storage

T13: Biofuels, fuel cells & hydrogen,
alternative fuels

T11: Carbon capture storage/use

T12: Nuclear energy

ENERGY UNION R&I & Competitiveness priorities

N°1 in Renewables

**Smart EU Energy
System with
consumers at the
centre**

**Efficient Energy
Systems**

**Sustainable
Transport**

SET Plan (10 key actions)

1. Performant renewable
technologies integrated in the
system

2. Reduce costs of technologies

3. New technologies & services
for consumers

4. Resilience & security of
energy system

5. New materials & technologies
for buildings

6. Energy efficiency for industry

7. Competitive in global battery
sector (e-mobility)

8. Renewable fuels

9. CCS/U

10. Nuclear Safety

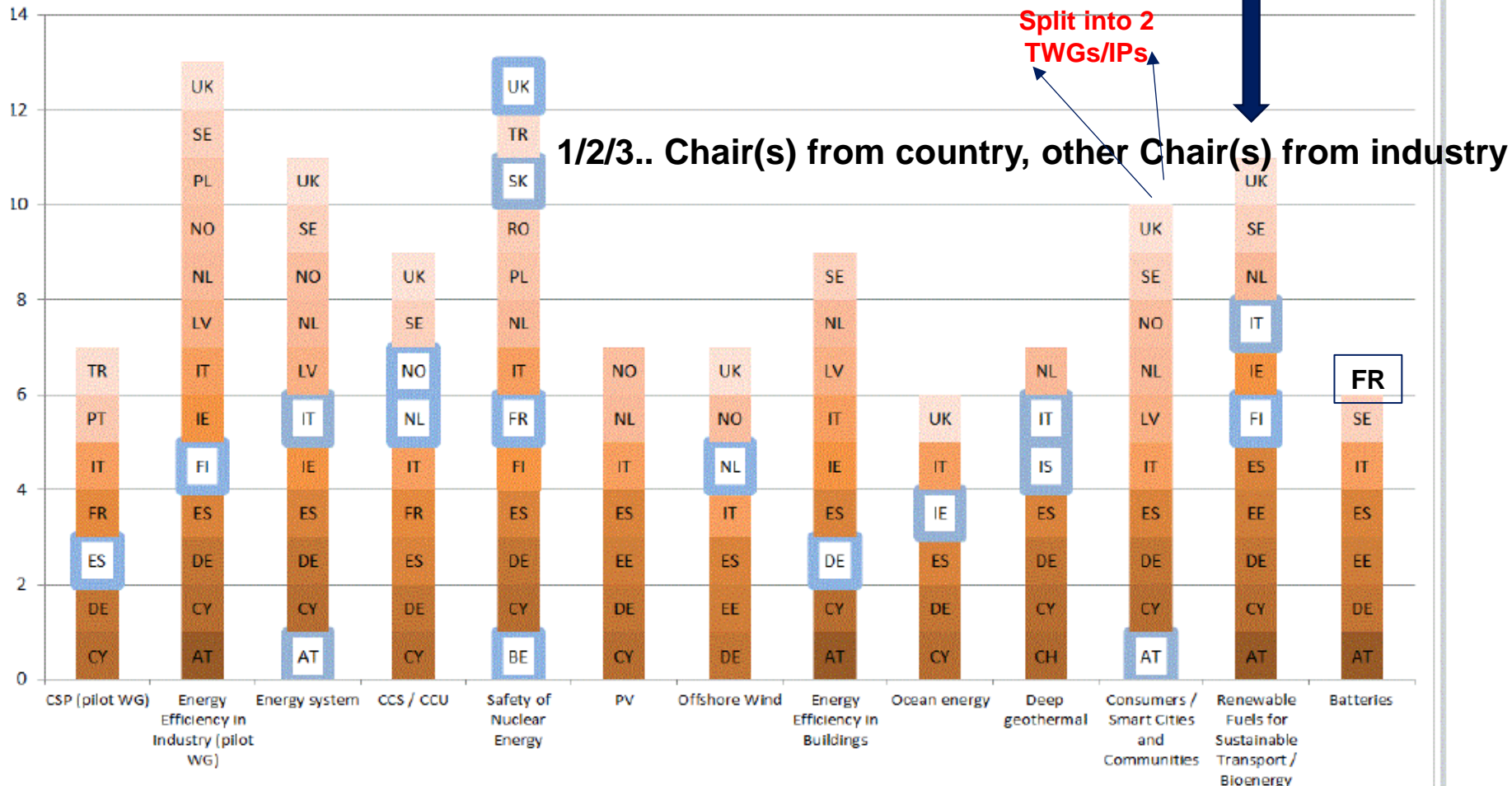
Countries' participation in TWGs (from 13 TWG to 14)

Country membership state of play [blue = lead country]

State of Play - 17 October 2016

Implementation Plan Participation for each SET Plan temporary Working Group

Action 8



Action 8, IP-drafting 1/2



- The structure of Action 8 is two-part; 1) bioenergy for heating and cooling and 2) renewable fuels for sustainable transport.
- They have a lot of in common, but also not. The renewable transport is not only liquid biofuels but also biogas and hydrogen / fuel cells. NOTE: EVs not here!
- The Action 8 IP is prepared by a TWG: about 30 stakeholders and country representatives.
- The IP will cover and recall the earlier set priorities and targets and overview the R&I activities.
- “The goal of the IP is to translate SET-Plan key actions into specific recommendations for R&I actions and/or policy measures related to innovation, identifying strategy and actions that need to be implemented to reach targets set in the Declaration of Intent (DoI), coordinating R&I activities and stimulate joint actions by funding actors, also considering international cooperation. “

Action 8, IP-drafting 2/2



- All the energy technologies have different kind of barriers and obstacles, like public acceptance, high prices compared to common, fossil based solution and sustainability questions etc.
- These are all relevant, but in SET Plan it is question of technology development. Many bioenergy-related issues are in RED II etc.
- Final IP (and next to it) will have:
 - Present situation, enablers / barriers, way forward
 - Activities/projects facts and figures - estimates
 - EC assessment of IP (done for every IP)
 - Steps for follow up



Thank you for your attention!