Technology Collaboration Programmes

Peer-to-Peer and Community Self-Consumption Observatory

Alexandra Schneiders (Operating Agent)
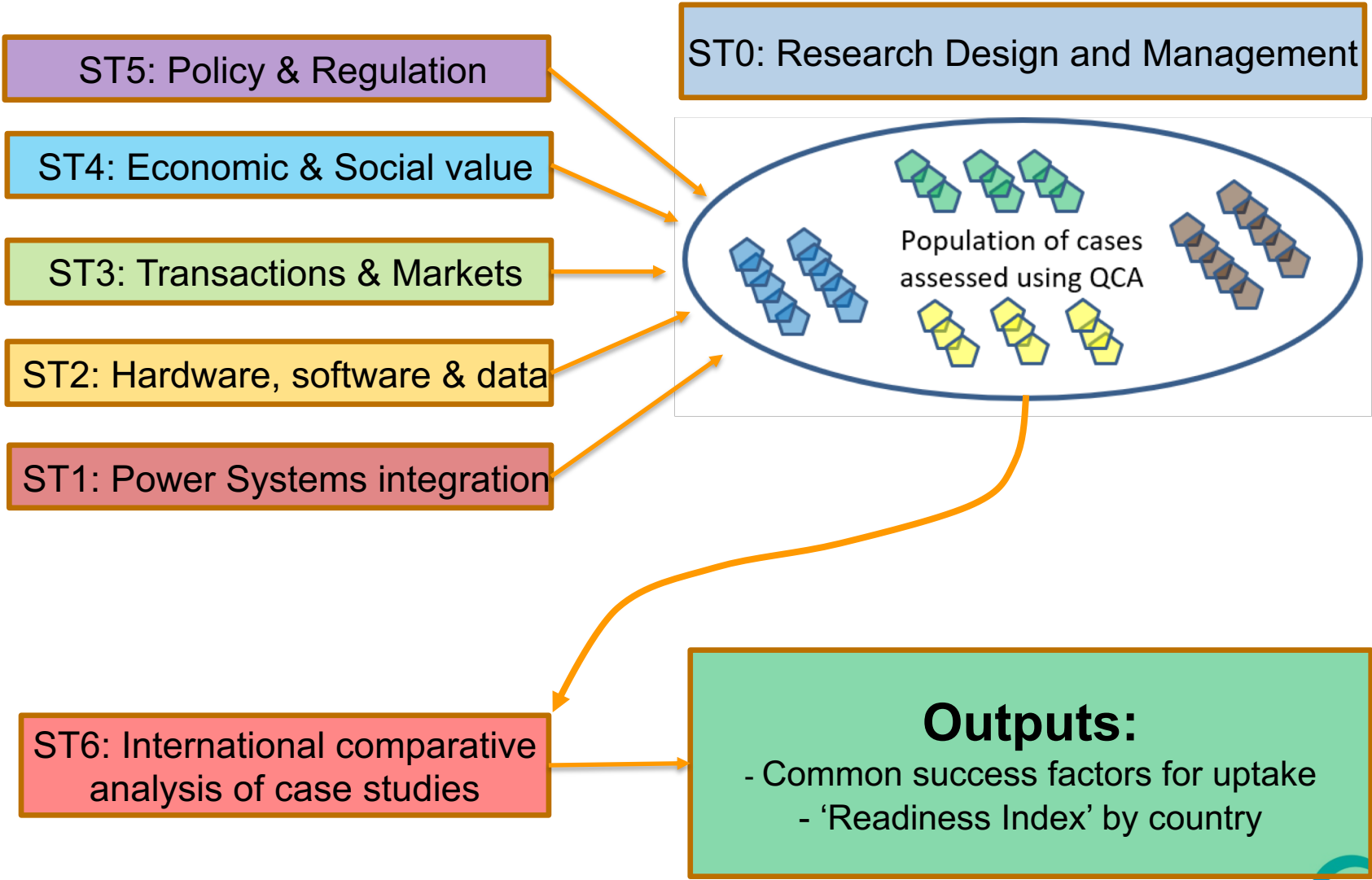
David Shipworth (DSM ExCo Sponsor)

The Observatory

- The first **international pre-competitive** and early stage research collaboration on the **whole systems implications** of local energy models.

- **Leading institutions** researching P2P/TE & CSC models.

- International exchange of **valuable evidence** on factors determining uptake of models and their viability.

- Platform for collaboration between **all stakeholders** in the P2P/TE & CSC fields (policymakers, businesses, NGOs, researchers).

- **Duration**: Three years + six-month reporting phase

Participants

- **DSM Participants**
  - **UK:** UKR&I EnergyRev Consortium; University College London
  - **US:** SLAC Lab at Stanford University (US DOE National Laboratory); Purdue University Research Centre in Economics
  - **Australia:** Monash University; UNSW; Victoria University
  - **Netherlands:** T.U. Delft
  - **Switzerland:** EPFL Lausanne; ETH Zurich
  - **Italy:** European University Institute (TBC)

- **Non-DSM interested Organisations**
  - **Colombia:** Universidad EIA – Envigado; Externado University of Colombia, Bogotá
  - **France:** Université Paris 1 Panthéon-Sorbonne; Université Bretagne Sud
  - **Germany:** European School of Management and Technology – Berlin; KIT
  - **Israel:** Interdisciplinary Center (IDC) Herzliya

- **Interested organisations**
  - World Economic Forum; Energy Web Foundation; World Energy Council

Deliverables

1. Reports on the '**Key factors determining the uptake of P2P/TE & CSC business models**' in participating countries.

2. **National Readiness Index** on the readiness of participating countries to adopt P2P/TE & CSC business models.

- **In parallel**, participants will be collaborating together by hosting side events at conferences, as well as authoring books, journal papers and reports.

Request for Conditional Approval

- ■ The DSM Implementing Agreement states:
  - ● *"Each Annex shall enter into force at such time as the Executive Committee, acting by unanimity of those Contracting Parties which have communicated to the Executive Director a Notice of Participation in that Annex, determines that there is sufficient participation to perform the Task…".*

- ■ The Task determines 'sufficient participation' as:
  - ● a) receipt of required National Participation Plans from at least two DSM participating countries; and
  - ● b) identification of leads for the seven sub-tasks.

- ■ Task requests approval conditional above criteria.

- ■ *Sub-task leads are key to Task success*

- ■ *Task shouldn't start until all are in place*

Meetings to date

- **All sub-task leads meeting held once posts filled**

- **Meetings with sub-task leads and participants**
  - **Web meetings with:**
    - *USA:* SLAC + Stanford Uni. 2019-02-26
    - *Netherlands:* T.U. Delft. 2019-03-27
  - **Face to face meetings with:**
    - **Florence School of Regulation.** 2019-02-14/15. Florence.
    - **Centre for Electric Power and Energy.** DTU Technical University of Denmark. 2019-03-04/5 Copenhagen.
    - **Energy Web Foundation.** 2019-11-27/28. Geneva.

ExCo requirement: Task Governance

- **100% Task-share:**
  - **No financial conflict of interest for ExCo.**
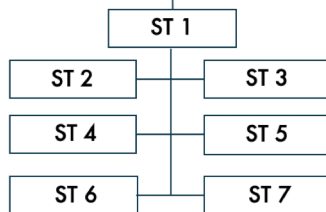 - **DSM Sponsor's interests aligned with Task OA's & ExCo's through UKRI contract.**

Task Steering Committee formed of Task Contracting Parties

ExCo Reps of Task Contracting Parties

Country 1 | Country 2 & Chair | DSM Sponsor | Country ... | Country X

- **Str.Comm. Meets Quarterly**
- **Man.Grp. Meets 6-weekly.**

P2P Obs. Management Group

Sub-task Leaders | Operating Agent & Chair | DSM Sponsor

UKRI EnergyREV

UKRI EnergyREV Line management

- **EnergyREV reporting**
  - **Quarterly reporting**
  - **Daily line management**

ST 1

ST 2 | ST 3

ST 4 | ST 5

ST 6 | ST 7

- **Sub-Tasks managed through Slack channels between meetings**

ExCo requirement: Intellectual Property

■ **The ExCo required that IP be addressed.**

- An intellectual property statement has been drafted based on advice from IEA Legal.

- Intellectual property has been defined.

- Background IP remains the property of the originator

- Foreground IP rests with the authors in accordance with their contribution.

- The treatment of Intellectual Property arising from the Task shall be determined by the Executive Committee, acting in unanimity.

ExCo requirement: Frequent reporting

- The ExCo required that the task be structured to report results frequently.

- The Task will be managed using agile methods to produce useful outputs throughout its life.

- There will be three broad phases:
  - Establishment (M1-6);
  - Iterative development and review (M7-33);
  - Project closedown (M33-42)

Summary

- **International forum** for understanding the policy, regulatory, social and technological conditions necessary to support the **wider deployment** of P2P/TE & CSC.

- Leading research institutions contributing.

- **Valuable** for all stakeholders: policymakers, businesses, non-profits, researchers.

- Once we get final approval from DSM TCP ExCo, we **welcome new participants**!

Thank you for your attention

Any questions?