



# Task update: Global Observatory on Peer-to-Peer, Community Self-Consumption and Transactive Energy Models (GO-P2P)

*Alexandra Schneiders (Operating Agent)  
22 October 2019, Melbourne, Australia*

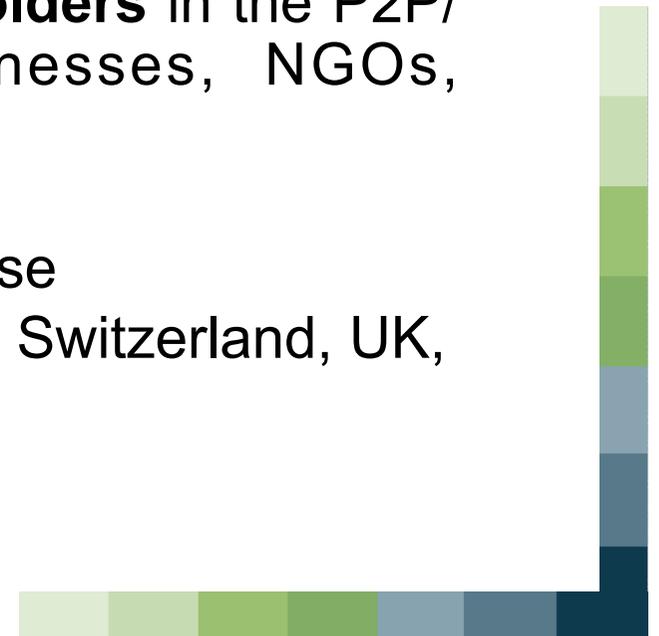


## *GO-P2P in a nutshell..*

- 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

Countries: Australia, Belgium, Italy, Netherlands, Switzerland, UK, USA (NPPs being secured)





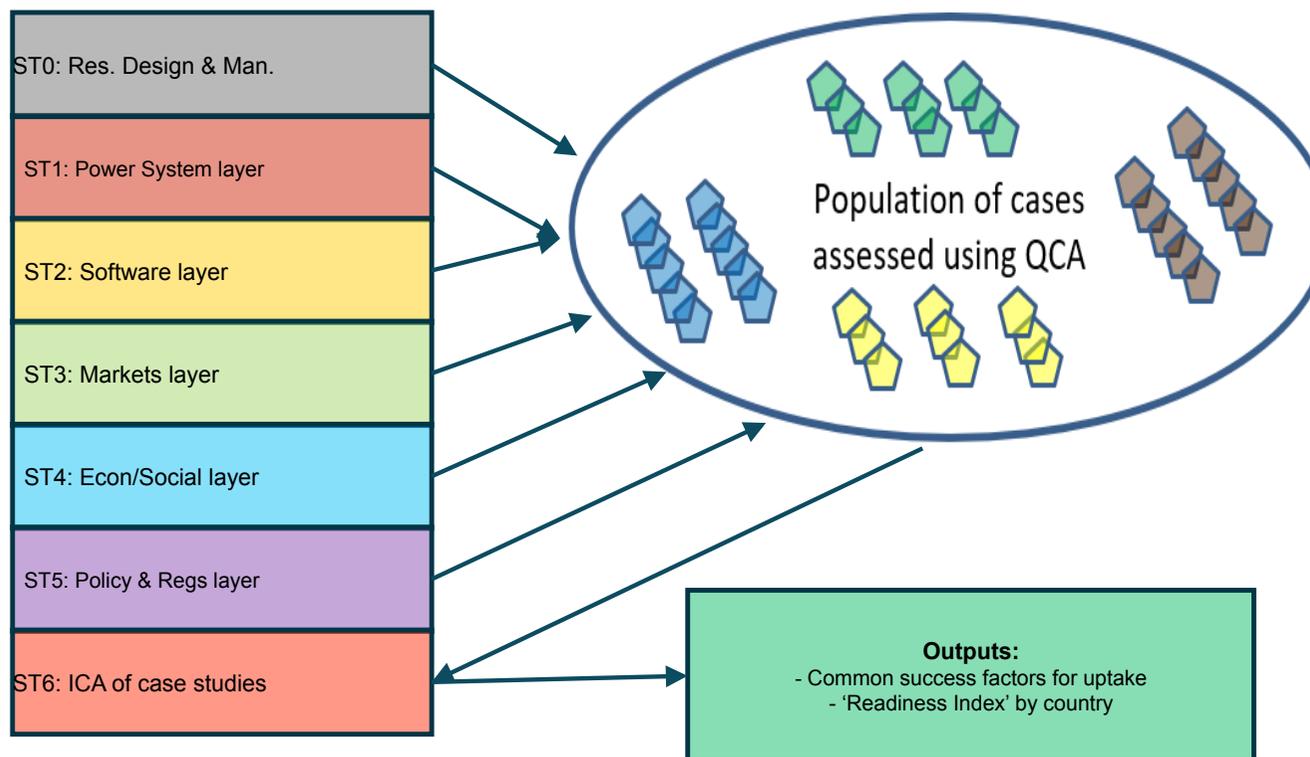
# Structure

## Sub-task stack layer:

0. **Research design and management-** University College London (UK)
1. **Power system integration-** Delft University of Technology (Netherlands)
2. **Hardware, software & data-** SLAC National Accelerator Laboratory (United States)
3. **Transactions and markets-** Carnegie Mellon University (United States)
4. **Economic and social value-** University of New South Wales (Australia)
5. **Policy and regulatory-** Florence School of Regulation/European University Institute (Italy)
6. **Analysis of findings-** University College London (UK)



## Structure (cont'd)



*Sub-tasks will gather data on P2P/TE & CSC pilots in member countries and analyse these using **Qualitative Comparative Analysis (QCA)**, which allows for the comparison of different policy contexts*



## *Key deliverables*

- **Sub-task reports** on state of art and key challenges by functional stack layer
- **Country level reports** on key factors determining the uptake of P2P/TE & CSC business models
- **National Readiness Index** rating of participating countries to adopt P2P/TE & CSC models
- **In parallel**, participants will collaborate through conferences sessions, journal special issues etc.

## *Objectives for the last 6 months*

- ST leads secured
- Organisation of launch event (2-3 Sep, London)





## *GO-P2P Launch: 2-3 September, London (UK)*

- **Day 1 (2 Sep):** International symposium open to all
- **Day 2 (3 Sep):** First internal meeting of participating researchers
- 108 attendees from a range of sectors, i.e. 4 from government; 29 from industry; 52 from academia; 20 from non-profits
- Up to 15 countries were represented, mainly in Europe but also Asia, Australia, North America and South America
- Including non-DSM TCP member countries (e.g. Colombia, Germany, Portugal)
- Interest from international organisations such as European Commission, IRENA, AIOTI etc
- Wide coverage on social media (Twitter (95 tweets, 172 RTs), LinkedIn (5 posts))



## *Objectives for the next 6 months*

### **‘Task Establishment’ phase:**

- 1) Undertaking **concept mapping and scope definition**;
  - 2) Undertaking **policy epistemology interviews**;
  - 3) Developing the **research design**; and
  - 4) Start sub-task targeted **literature reviews**.
- The tasks above will result in written outputs (e.g. policy briefing, conference/journal paper)
  - In parallel: finding new participants (incl from non-member countries); developing Task logo and populating website



## *Upcoming tasks*

1) Undertaking concept mapping and scope definition

**Research question: How do different countries define P2P/TE/CSC trading?**

2) Undertaking policy epistemology interviews

**Research question: What evidence is needed to inform policy and regulation in different countries?**



## *Upcoming tasks (cont'd)*

### 3) Developing the research design

**Research question: What methods are best for delivering defensible evidence of the type most useful for policymakers?**

### 4) Start sub-task targeted literature reviews

**Research question: What are the key factors in each sub-task layer constraining or shaping the design of P2P/TE/CSC business models?**



## *Upcoming meetings*

- **Task Steering Committee (ExCo country reps):** meet every 3 months
- **Task Management Group (ST leads and OA):** meet every six weeks
- **Next (bi-yearly) Observatory meeting:** Spring 2020, Florence School of Regulation/European University Institute (Italy)
- Likely to receive UK Foreign & Commonwealth Office (FCO) funding for bi-yearly meetings
- Each sub-task will set their own aims in addition to those of the Observatory, including organising additional events



## *Outreach activities*

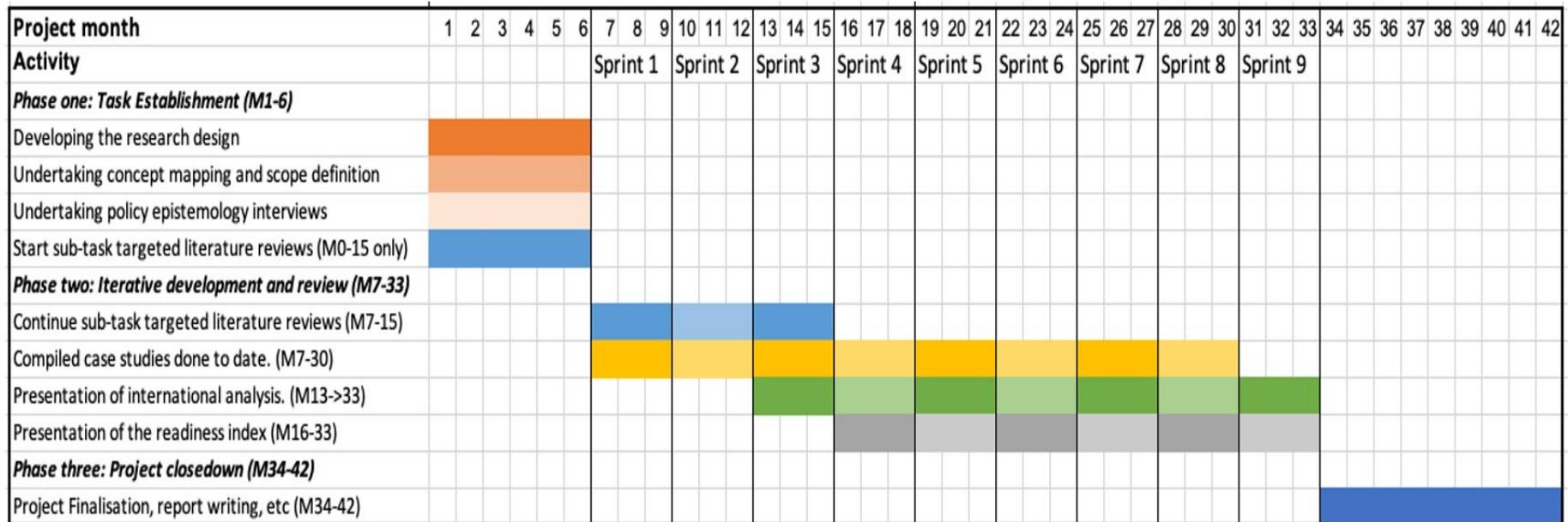
### **GO-P2P was mentioned and discussed at the following events:**

- European Commission workshop ‘Digital Energy Marketplaces: The role of smart contracts in the definition and coordination of investments, architectures and governance’: 17 September, Florence
- OECD ‘Global Blockchain Policy Forum’: 12-13 September, Paris
- Visit by University College London researchers to Medellin (Colombia) as part of the ‘Transactive Energy Colombia Initiative’ research project with EIA University: August 2019

# Activity time schedule

The Observatory will be managed using agile methods (individual tasks carried out in 3-month 'sprints'), in order to produce useful outputs throughout its three phases.

## Task Gantt Chart



*Thanks for your attention!*

*Any questions?*