



SUNRISE – Solar energy for a circular economy

SUNRISE Finland Stakeholder Workshop

9th December 2019

Venue: Biocity (Tykistökatu 6, Turku, Finland), Ministeri meeting room

Organized by the SUNRISE CSA (www.sunriseaction.eu), the Nordic Centre of Excellence “NordAqua” (www.nordaqua.fi) and SmartBio Biocity Turku Research Programme (www.smartbio.fi)

Preliminary Programme

08.30 Registration and coffee

09.00 Opening remarks - Eva-Mari Aro / Yagut Allahverdiyeva-Rinne, University of Turku, Finland

09.15 Frederic Chandezon, co-chair of SUN-ERGY, leader of the SUNRISE governance WP, CEA Grenoble, France - *Overview of the SUNRISE action and of the SUN-ERGY initiative*

10.00 Jukka Kola, Rector of the University of Turku – *Welcome words*

10.15 Reko Leino, Academy of Finland - *Funding opportunities and upcoming research programs*

Session 2: SUNRISE solar fuels and chemicals S&T roadmap for a circular economy

10.35 Arne Roth, Fraunhofer, Germany - *Approach 1 - Electrochemical conversion with renewable power*

11.00 Joanna Kargul, University of Warsaw, Poland - *Approach 2 - Direct conversion via integrated artificial photosynthetic systems*

11.25 Yagut Allahverdiyeva-Rinne, University of Turku, Finland- *Approach 3 - Direct conversion via biological and biohybrid systems*

11.50 Lunch

SUNRISE supporters (academy and industry)

13.00 Merja Penttilä, VTT, Finland- *The SynBio PowerHouse*

13.20 Mika Valden, Tampere University, PREIN Academy Flagship, Finland - *Surface Science Approach to Solar Fuel Production via Artificial Photosynthesis*

13.40 Jero Ahola, Lappeenranta-Lahti University of Technology, Finland - *Power-to-x in energy transition*

14.00 Johan Bobacka, Åbo Akademi University, Finland - *Research at the ÅA- Electrochemistry and electroactive materials*

14.20 Paulina Uronen, Neste, Finland - *TBA*

14.30 Tekla Tammelin, VTT, FinnCERES Academy Flagship, Finland - *TBA*

14.40 Coffee break

15.00 Maija Pohjakallio, Sulapac Oy, Finland - *Renewable plastics*

15.10 Linda Fröberg-Niemi, Turku Science Park Oy, Finland- *Turku Business region: Academy – Industry relationship*

15.20 Juha-Pekka Pitkänen, CTO & Co founder of SolarFoods Oy, Finland - *Carbon neutral production of natural protein sources*

15.35 Bärbel Friedrich, member of the SUNRISE Advisory Board, Germany - *The global CO₂ challenge: A view from the German National Academy Leopoldina*

15.50 Tom Granström, St1, Finland - *TBA*

A panel discussion: perspectives for policy-making and funding opportunities

16.00 A panel discussion: Juho Korteniemi (Ministry of Economic Affairs and Employment of Finland), Kyösti Lempa (NordForsk), Bärbel Friedrich (Leopoldina Germany), Frederic Chandezon (SUN-ERGY), Eva-Mari Aro (UTU), Paulina Uronen (Neste), Joanna Kargul (SUN-ERGY) (+ scientists)

17.00 Closing remarks

