



Facilitating sustainable growth

CLIC Innovation & ProjectBooster introduction for Energy & GreenE2 themes

9/2/2022

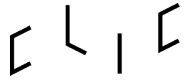
CLIC



Facilitating sustainable growth

Shareholders of CLIC Innovation Ltd





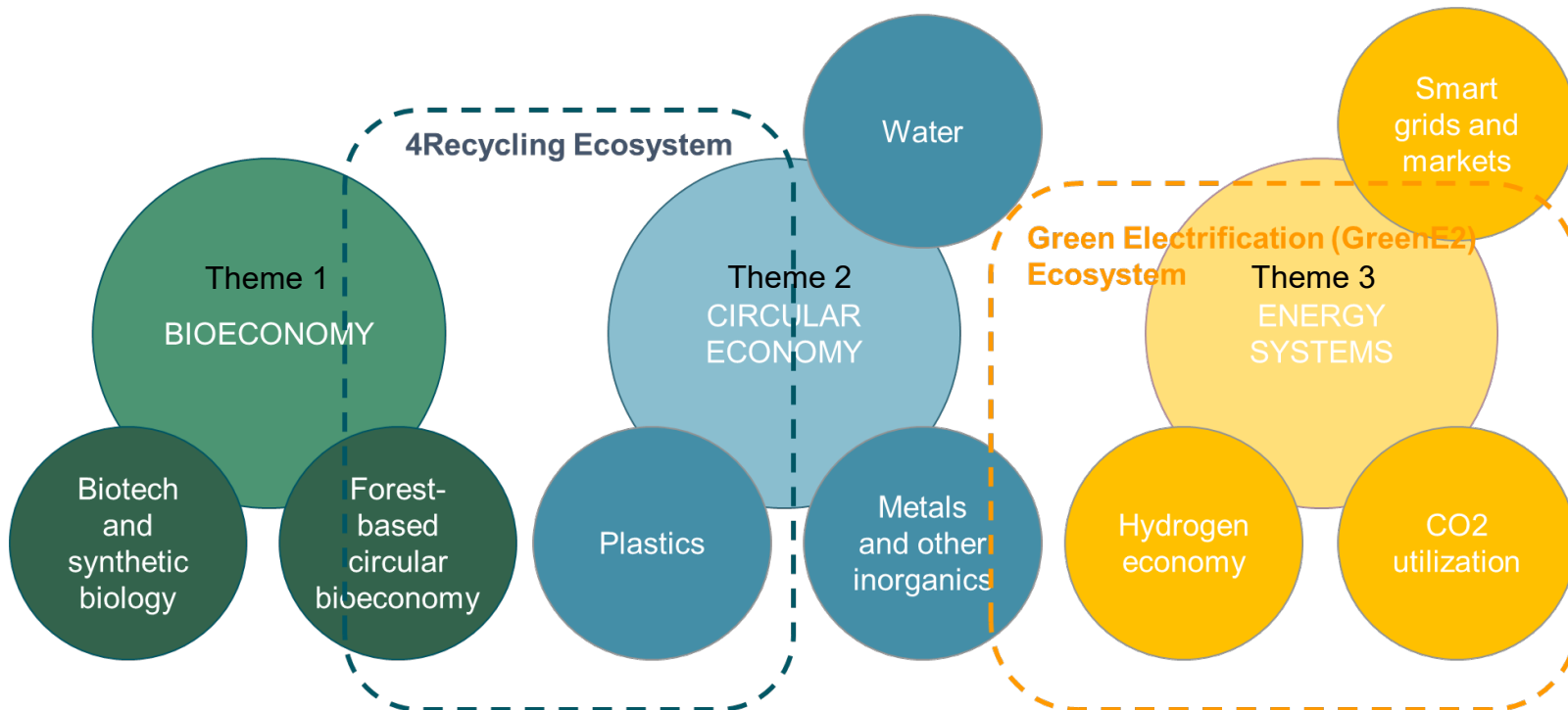
CLIC Innovation – open innovation cluster





Our current thematic groups and ecosystems

Our current themes, sub-topics and innovation ecosystems



'NEW' in 2022:

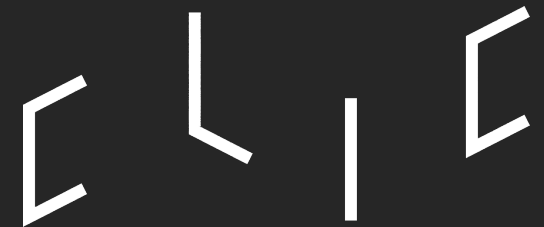


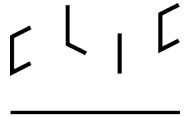
Our performance & success during 2019-2021

- Success rate for prepared BF Co-Creation & Co-Innovation projects (7/8): **87,5%**
- Success rate for prepared BF Innovation Ecosystem projects (2/2): **100%**
- Success rate for prepared EU projects:
 - 2019-2020:
 - 3 submitted proposal out of which 2 got accepted => success rate **67%**
 - 3 initial project preparations did not lead to the submission of a final proposal by CLIC due to different reasons
 - 2021-2022
 - 2 submitted proposals waiting for funding decision, 1 accepted (TREASoURCE) in Jan 2022
- CLIC [Ecosystem Playbook](#) online service with tools to support ecosystem management up & running & piloted and under continuous development
- CLIC and Pia Salokoski selected as coordinator for the [Hydrogen Cluster Finland](#)
- CLIC and Aila Maijanen selected as cluster manager for [IBC Finland ry](#)
- CLIC selected as Project Manager for the [SYMMET](#), [PLASTin](#) and [HOPE](#) Co-Innovation projects
- CLIC selected as partner in the [ERA-Net Smart Energy Systems](#) support team and invited as consortium partner in the new [Clean Energy Transition Partnership \(CETP\)](#)



CLIC Innovation – Services and ProjectBooster 2022





Our service portfolio





Our yearly membership fee services to our owner & associate partner organizations

*)SRIA = Theme specific “Strategic Research and Innovation Agendas”



1. Project preparation

“From SRIAs to action”

Preparation of collaborative projects that implement the SRIAs

ProjectBooster

2. Theme activities & Influencing

Theme group formulate SRIAs*)

⇒ Dissemination to create impact on

- national RDI policies
- EU Horizon work programmes

3. New ideas & networking

- **Co-creation events for RDI projects**
- **Matchmaking events** with SMEs and Start-ups
- **Knowledge Sharing events** to learn new and to network



Project Booster 2022





What is ProjectBooster?

CLIC Project Booster is a **time-forced process for innovation project design**. It utilizes online tools and face-to-face workshops to initiate thematic ideations for new R&D projects with CLIC owners and partners.

In the Booster, the teams work with **cross-sectoral challenges and define research questions**. The companies and academia work side-by-side on the challenges at hand.

The most potential **research development ideas** will proceed to project initiation and preparation.

The ideas need to:

have potential for **scalable impact**

require **new research and innovation**

have **novelty value**

benefit from an ecosystem setup meaning that any company alone would not be able to take the initiative forward

Help in solving **systemic challenges**

It is important that each development idea is **supported by committed company partners** with interest in the development benefits.



Process for research teams

- Pitch event registration opens for researchers or/and research teams march 2022. [Check CLIC website events.](#)
- Follow CLIC newsletters. Subscribe to our newsletter at www.clicinnovation.fi (pop-up registration)
- Register your pitch. After registration you receive instructions for your pitch. The actual pitch event for energy is 26.4.2022 9 am-12pm. You will be informed about your slot. All the pitches are confidential.
- [More info on dates & project booster](#)

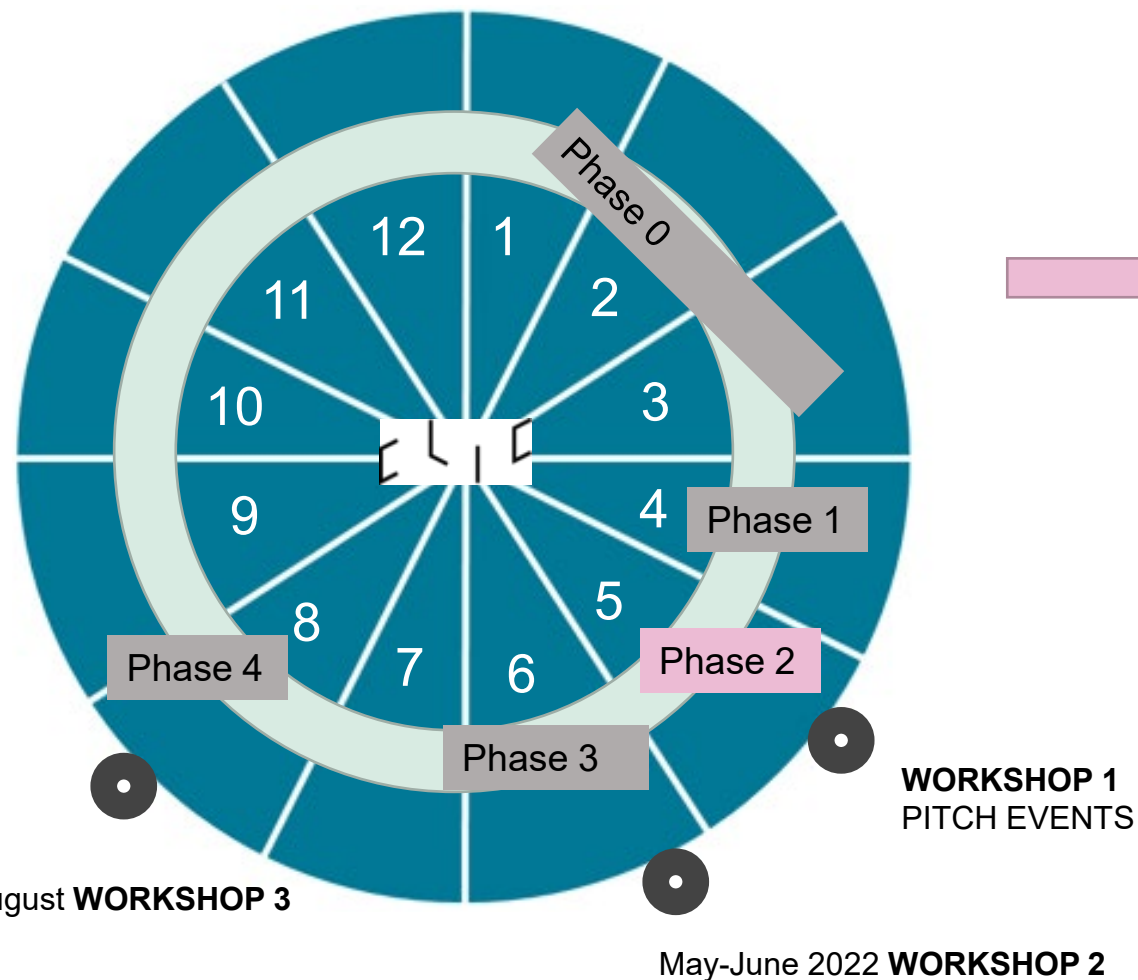


Process for companies

- Our **theme groups** initiate discussion with companies active in theme groups: depending on the them pre-work on identifying the topics for research pitches & possibly pre-mapping on existing research & development activities &SRI guidance
- **Calendar invitations** will be sent to company representatives for the pitching events
- After the pitch event evaluation of research ideas and selection for best/most fitting proposals per theme



ProjectBooster 2022 - Process and Timetable



Phase 0 Identify Focus Areas and Sub-themes JAN – MARCH 2022: SRIA work and discussions within Theme Groups, GreenE2 and 4Recycling ecosystem

Phase 1 Formulate Challenges with companies latest APRIL 2022

Phase 2 From Challenges to Project Initiatives

Info session for Energy for research teams register [here](#)
9.2.2022 2pm-3 pm Teams

WORKSHOP 1 - PITCHING EVENT Teams

Research institutes pitch their research ideas for solving the formulated challenges

Companies meet after the pitching session to decide on research topics

✓ Energy theme & GreenE2 ecosystem, 26.4.2022 9 am-12pm

✓ Circular economy & Sustainable urban solutions, 5.5.2022 1 pm-4 pm

✓ Bioeconomy & 4Recycling, 23.5.2022 1 pm- 4 pm

Phase 3 Content Development, by invitation

WORKSHOP 2 – depending on theme May-June 2022

Phase 4 Preliminary R&D&I project planning, by invitation

WORKSHOP 3 – August 2022 in Eteläranta



Pitch for the <name of the challenge /project idea> 1/4

Name of the Research Institute(s)

Type the name here

List of main researchers and the main contact person

- Main contact person:
- Researchers:
- Previous research on the subject if applicable

Note: you have 3 min time for the pitch and 5 min to answer questions



Pitch for the <name of the challenge /project idea> 2/4

Content proposal – Short description of research ideas and questions

- nn

Strategic Fit – Why is your proposal important to solving the challenge? What is the impact?

- nn



Pitch for the <name of the challenge /project idea> 3/4

Who can benefit from your proposal – name target groups

- nn

How can these target groups benefit from your proposal?

- nn

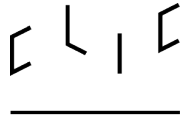


Pitch for the <name of the challenge /project idea> 4/4

Uniqueness – Describe the novelty value of your proposal

Competence - Describe your research group's scientific key expertise in relation to the main targets of the challenge /project idea

Networks - Describe your best international contacts with which research collaboration could be established.
What are your initial thoughts about the form and content of the collaboration?



Energy SRIA and ProjectBooster themes

Lauri Kumpulainen, CLIC Innovation



European vision of the future energy system

<https://www.etip-snet.eu/>



In 2050 Networks are fully integrated

VISION 2050

A SYSTEM OF SYSTEMS



In 2050 Networks are fully integrated

VISION 2050

A SYSTEM OF SYSTEMS

The future
integrated
energy
systems with
conversion and
storage
devices

Electricity network
is the backbone of
the integrated
energy system

NETWORKS

Electricity

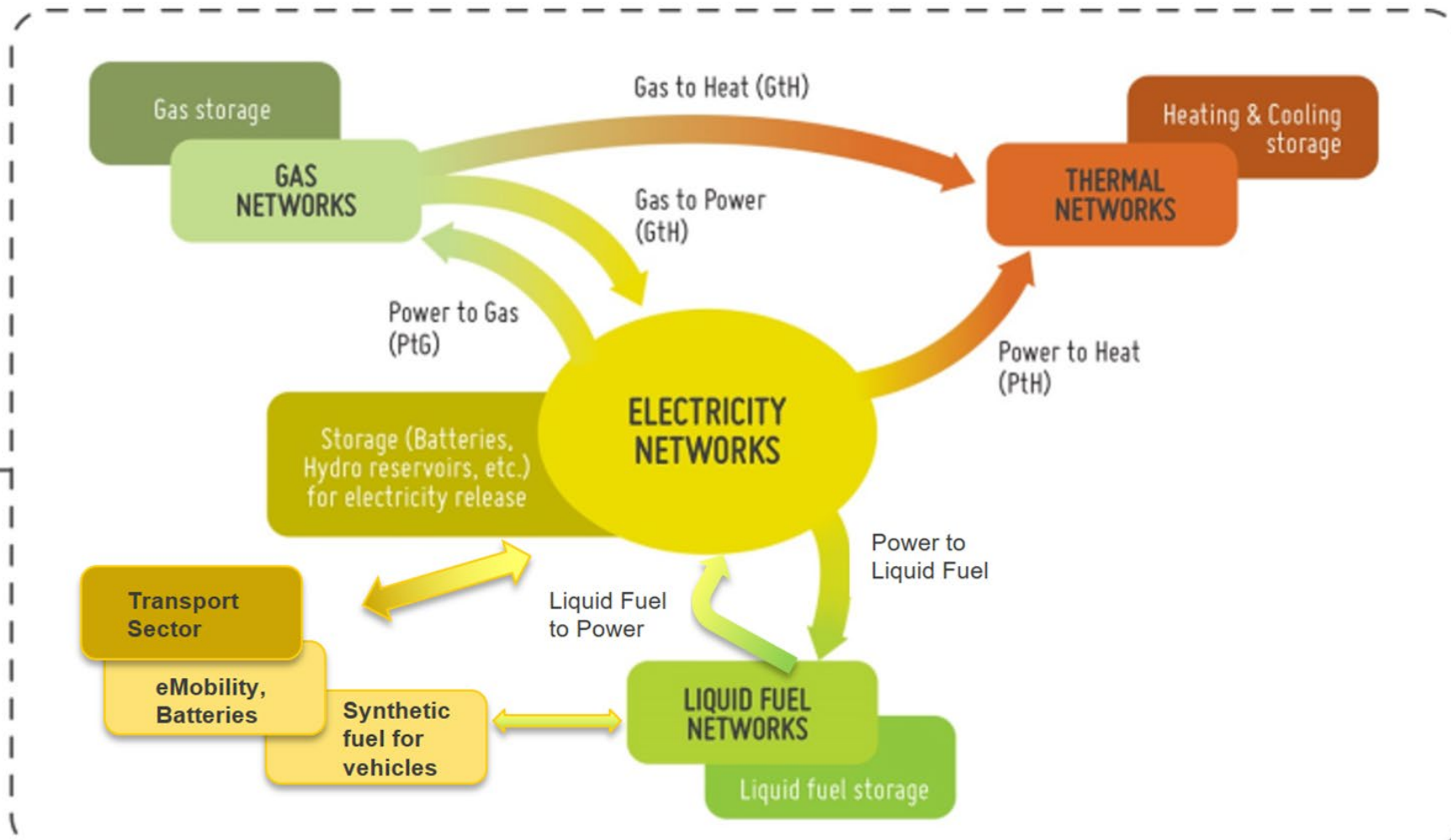
Heating & Cooling

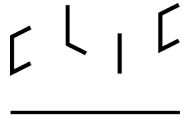
Gas

Data



INTEGRATED ENERGY NETWORKS WITH STORAGE





Strategic Research and Innovation Agenda (SRIA)

- Industry driven
- Published 12/2019
- Minor updating has been started

STRATEGIC RESEARCH
AND INNOVATION AGENDA

Energy





The shareholders of CLIC Innovation have identified five focus areas:

- 1) carbon capture and hydrogen production, and use of CO₂ and H₂ as raw materials or energy source,
- 2) energy storage, including heat and electricity,
- 3) carbon-neutral industry,
- 4) biofuels and bioenergy, and
- 5) regulation, market models, new services and digitalization.

Please find *Recommendations for future actions* in SRIA.

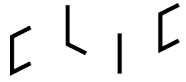


Preliminary (1) ProjectBooster themes 2022

- **Energy storages**
- **Resilient energy system**
- **Sustainable transportation**
- **Piloting of high TRL technology**

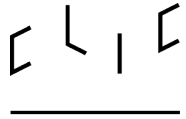
- **Open topic**

(1) Publication of final themes: Target date 15th March, please follow CLIC's web pages



Feedback to your ideas presented at the pitching session 26.4.

- Every idea will be discussed with representatives of industry
- Feedback by 31.5.2022 (target)



Q & A

