



*Facilitating sustainable growth*

# CLIC Innovation & ProjectBooster introduction

14/03/2022

CLIC



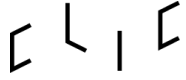
Facilitating sustainable growth

## Shareholders of CLIC Innovation Ltd



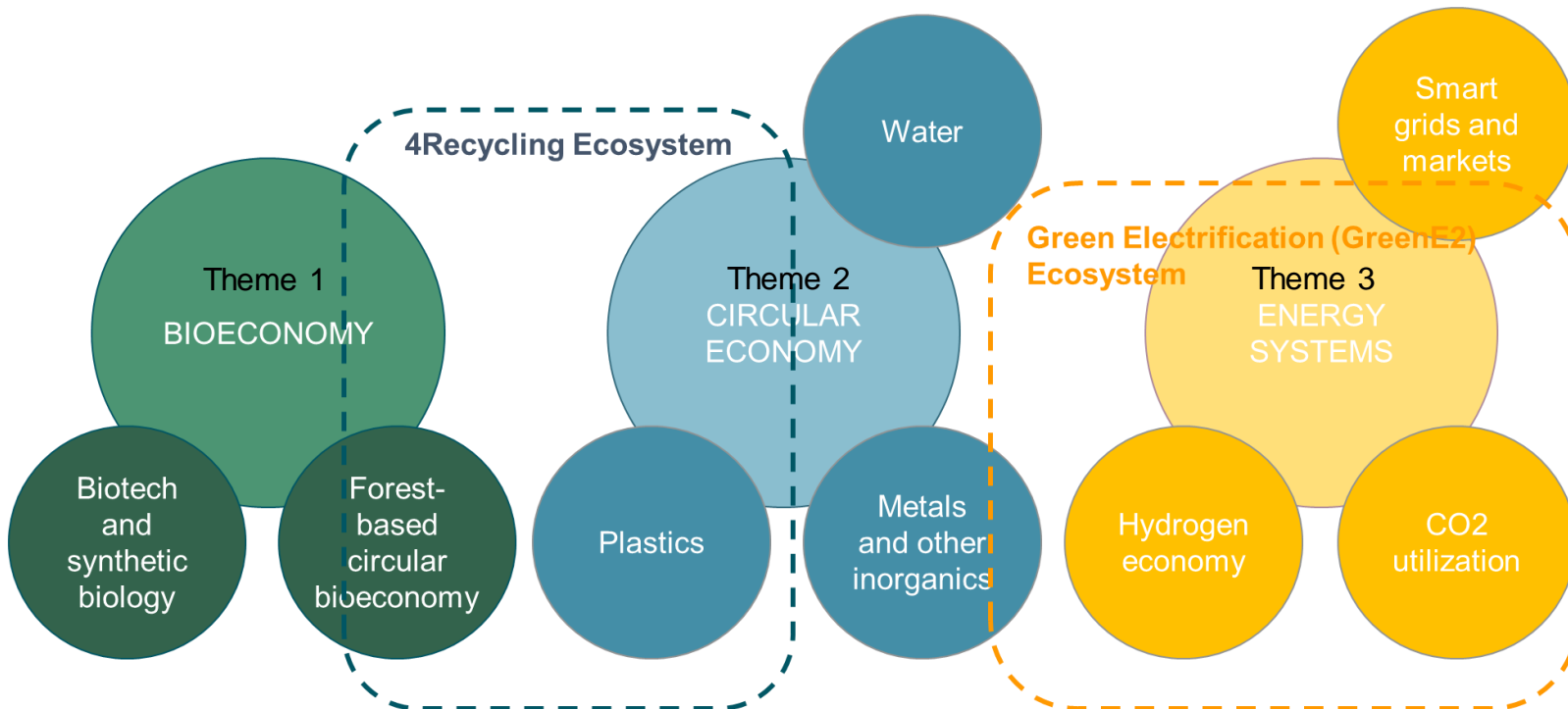
# CLIC Innovation – open innovation cluster





# Our current thematic groups and ecosystems

## Our current themes, sub-topics and innovation ecosystems



## 'NEW' in 2022:



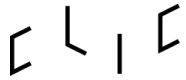
# Our performance & success during 2019-2021

- 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 \(CETP\)](#)



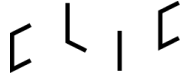
# CLIC Innovation – Services and ProjectBooster 2022

CLIC



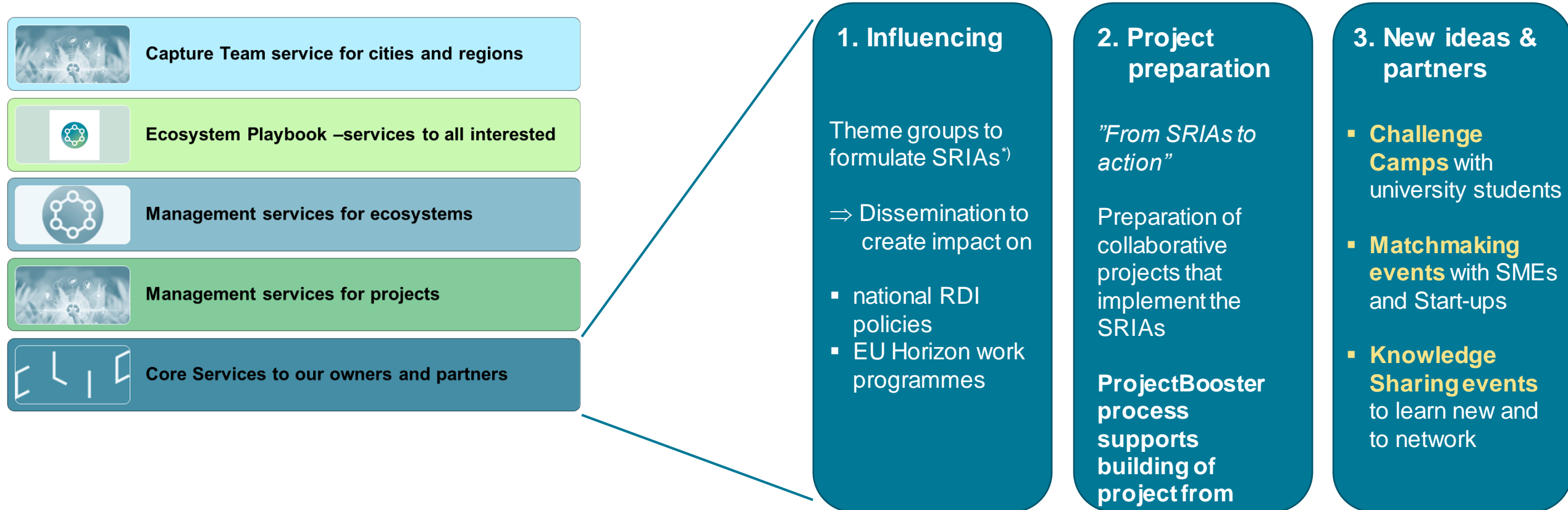
# Our service portfolio





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

\*)SRIA= Strategic Research and Innovation Agenda

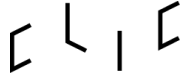






# Project Booster 2022

ELIC



# 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:

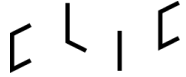
have potential for **scalable impact**

require **new research and innovation**

have **novelty value**

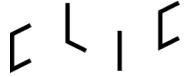
**benefit from an ecosystem setup** meaning that any company alone would not be able to take the initiative forward

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



# Process for research teams

- Great opportunity for researchers to showcase and market your research idea! Pitches are confidential between researchers.
- Pitch event registration opens for researchers or/and research teams march 2022. Register your pitch at [CLIC website events](#).
- After registration, you will get instruction for your pitch and templates. You have 3 minutes time for your pitch and 5 min for Q&A. Every pitch gets feedback from companies after the event.
- Follow [CLIC newsletters](#)
- [More info ProjectBooster](#)

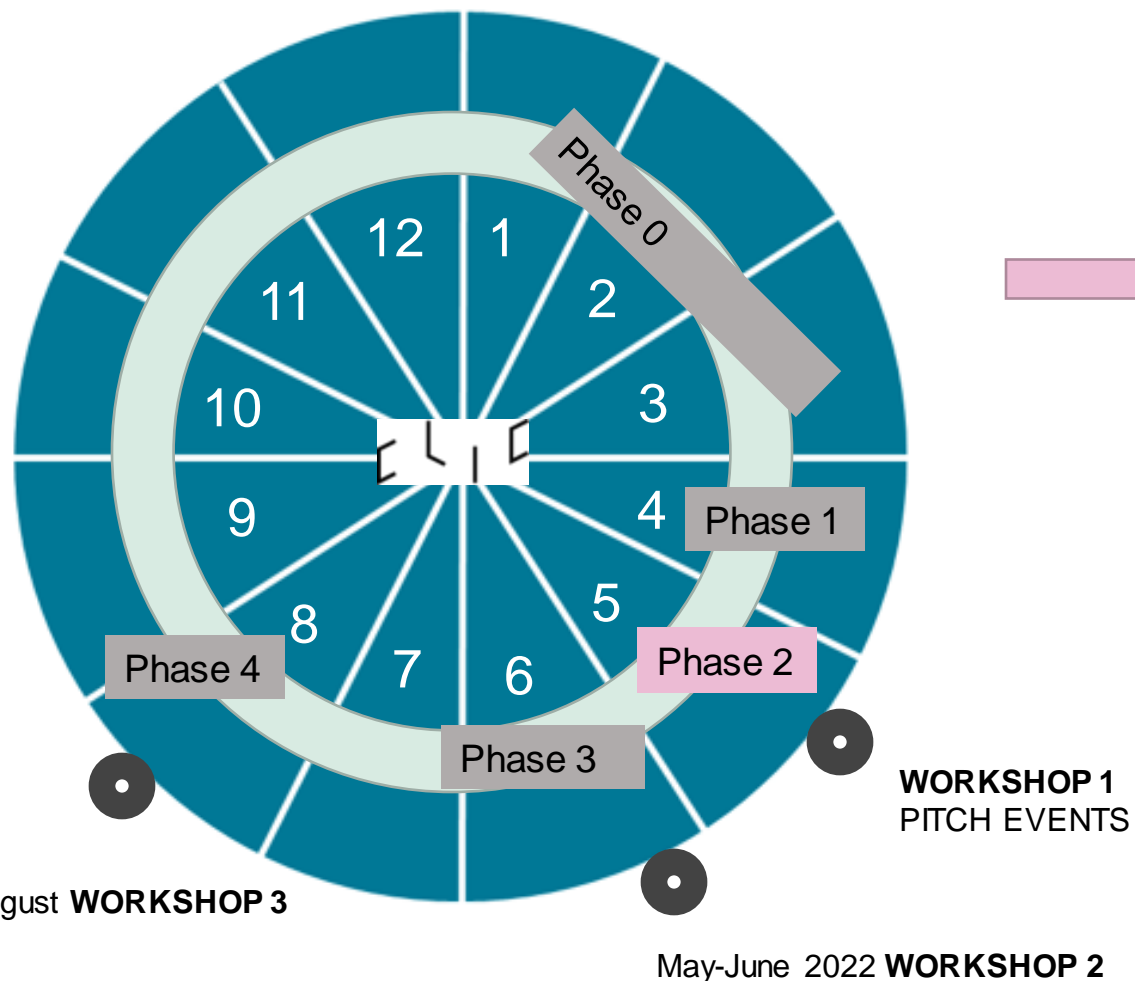


# Process for companies

- 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

**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

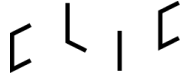
✓ Bioeconomy & 4Recycling, 23.5.2022 1 pm-4 pm

**Phase 3** workshop 2 : Content Development, by invitation

**WORKSHOP 2 first session with selected research pitches and companies – 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

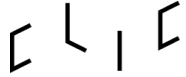
Who can benefit from your proposal – name target groups

- 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

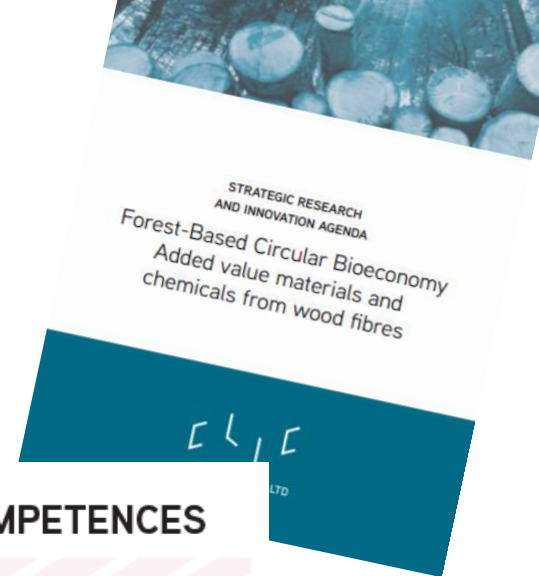
Networks - Describe your best international contacts with which research collaboration could be established.  
What are your initial thoughts about the form and content of the collaboration?



# Bioeconomy and 4R Recycling themes

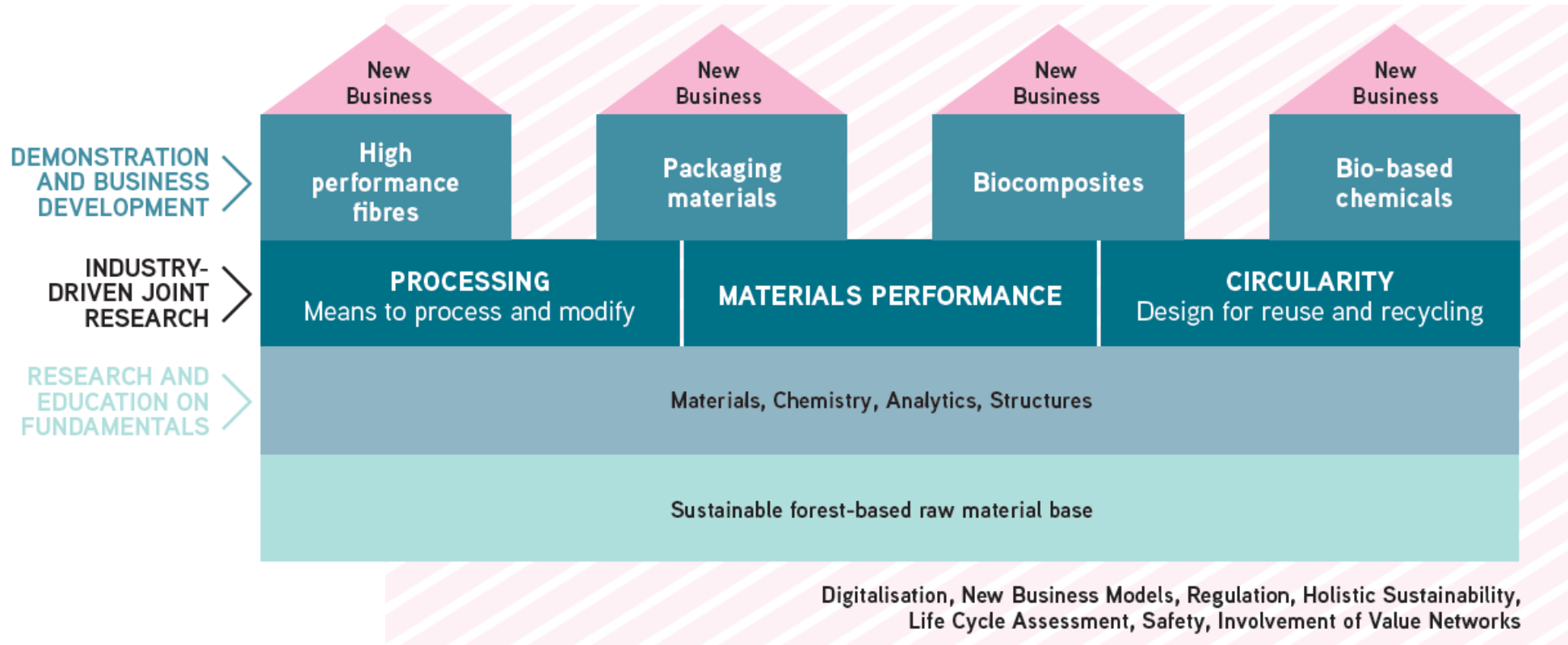
Aila Maijanen, CLIC Innovation

CLIC

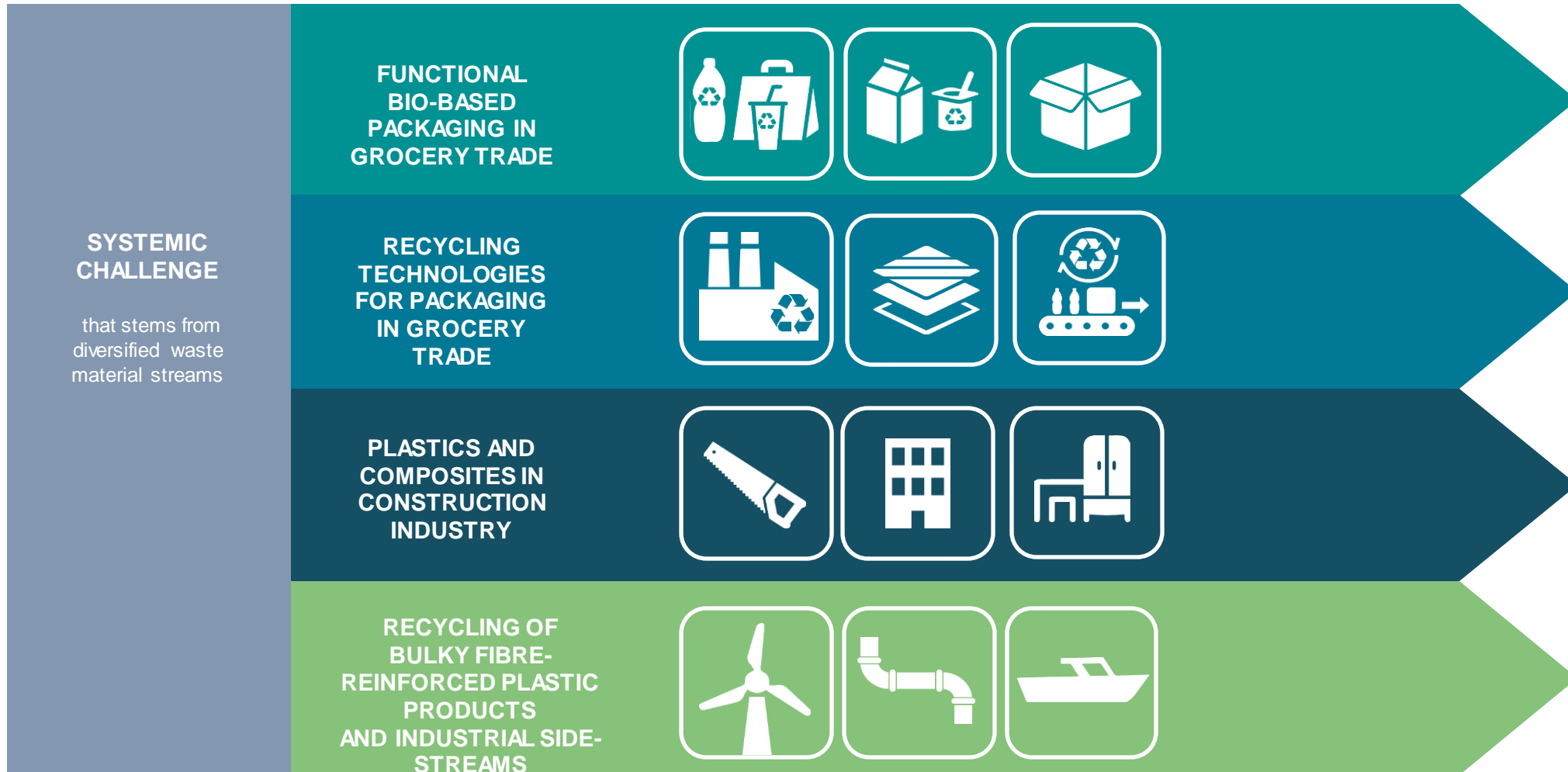


# Jointly created agenda

## BUILDING BUSINESS IN FOREST-BASED BIOECONOMY BASED ON THE WORLD LEADING COMPETENCES



# 4R Recycling ecosystem and RDI Roadmap

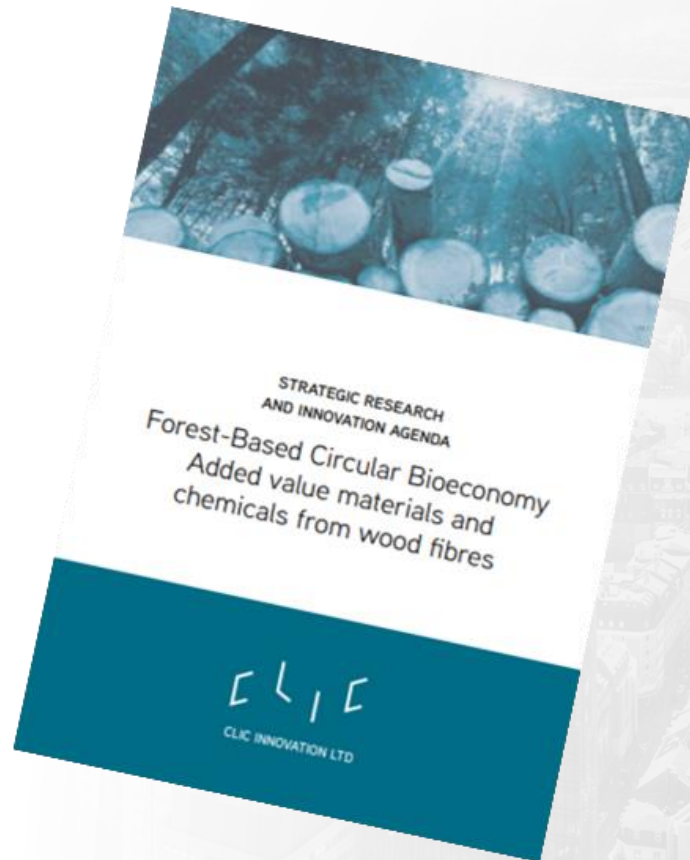


## The ideas need to:



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

# 1. New bottom-up research openings

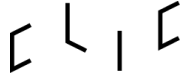


1. Totally new, bottom-up research openings implementing the jointly made CLIC's Strategic Research and Innovation agenda for Forest-based circular Bioeconomy

Industry is now looking for totally new openings meaning that research ideas that are already studied in projects or presented earlier are excluded from this Call.

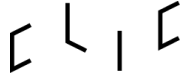
Linkage to the SRIA has to be identified ->

[Added value materials and chemicals from wood fibres](#)



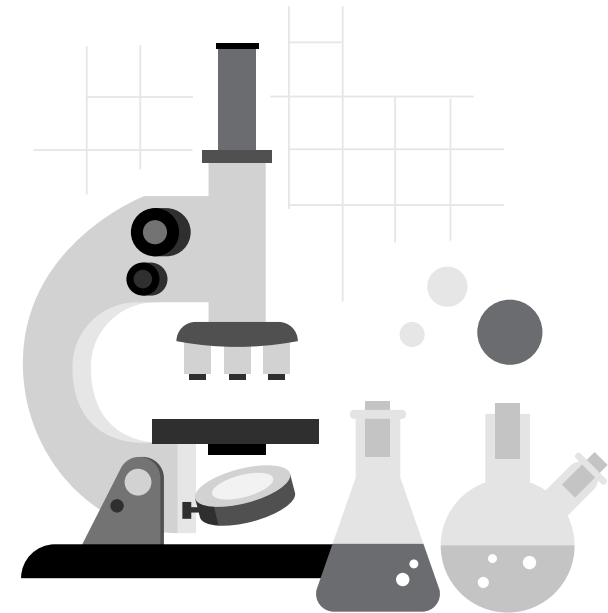
## 2. Advanced manufacturing concepts for functional fibre-based materials and products

- Industry is looking for research ideas for new manufacturing concepts that can produce (both) functionalities and/or form to the selected fibre-based material and product thereof
- Especially combinations of different methods are interesting in achieving the desired functionalities
- Furthermore, concept building on exploitation of inherent fibre properties such as fibrillar structure and strength, and presence of lignin and hemicellulose could be considered



### 3. End product functionality driven fractionation of bio-mass empowered by analytics

- Industry is seeking for new valuable fractions for bio-based chemicals with enhanced performance and functionality
- Data and information obtained by modern analytics, both stand-alone and online process analytics, can speed up the identification of valuable fractions and developing the fractionation process
- Design of circular processes will ensure efficient use of the raw material and support sustainability
- New analytical tools for understanding and finding the full potential of bio-mass could be proposed.





# 4Recycling call topic 2022



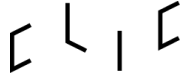
## 4. Use of recycled materials in food packaging

- There is a growing need for increased recycling rate and use of recycled materials in food packaging.
- In take-away food sector compostability of packaging materials can be an option to consider in addition to recycling.
- EU regulation, safety concerns and consumer behaviour shape the potential of new solutions.

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PICING CALL OPEN TO ALL THEMES:

# Disruptive Manufacturing technologies

## Disruptive manufacturing technologies

1. Sensors, analytics, data processing, AI, machine learning in the process industries
2. Opportunities of 3D printing in the process industries
3. Modular manufacturing in process industries



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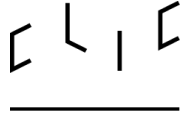
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# Q & A

