

Title: “Roadmapping Workshop for Nutrients Circular Ecosystem”

For the first time in Australia, we will have the amazing opportunity to participate, hands-on and in a real case, in a co-creation strategic process to support the development of a Nutrients Circular Ecosystem related to Urine-based Fertiliser.

Circular Economy can be seen from many perspectives, such as waste management, resource efficiency approach, 3R’s Framework (Reduce, Reuse, and Recycle), and business model innovation. Those perspectives often call for a more systemic approach, such as the formation of a ‘circular ecosystem’, which consists of a group of actors and processes that collectively generate a circular value proposition.

In this context, the **objective** of the workshop is to identify **sustainable opportunities** for a Urine-based Fertiliser Circular Ecosystem, and the **actions** to achieve them.

This goal will support the development of a Roadmap for a Sustainable Urine-based Fertiliser Circular Ecosystem, which includes the temporal actions to support the transition from a current situation to a future vision aligned to the Sustainable Development Goals (SDGs).

In order to understand the current landscape of the Urine-based Fertiliser Circular Ecosystem, there will be a short presentation at the beginning of the Workshop about the main sustainable drivers, needs, and barriers to its implementation. The sustainability dimensions considered are: **economic, environmental, health, technological, and socio-cultural**.

Based on these, the attendees will participate in interactive discussion groups to identify sustainable opportunities (the future vision) and actions related to the main elements of the Urine-based Fertiliser Circular Ecosystem: **processes, value proposition (product & services), actors, and regulations**.

This process will be led by NiCE Hub researchers and supported by strategies based on Collaborative Roadmaps and Circular Ecosystem Innovation, such as Sustainable Value Opportunities Analysis, Circular Business Models, Circular Ecosystem Management, Sociotechnical Transition, and System Innovation.

The workshop will be held on 26th September 2023, during the afternoon session of the first day of the Circular Economy for Climate and Environment (CECE) Conference, at Aerial UTS Function Centre, in Sydney. So, all CECE Conference attendees are welcome!

The NiCE Hub researchers involved in this Workshop planning are:

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Also, Prof Ingrid Burkett and A/Prof Joanne McNeilland, both from Griffith Centre for Systems Innovation, are supporting this Workshop planning.

The information obtained from the “Roadmapping Workshop for Nutrients Circular Ecosystem” will be used for scientific publications, such as research reports, journal articles, and/or conference proceedings and presentations, as well as can contribute to effective sustainable solutions for society.

If you would like to attend the workshop, you will be provided with a participant information sheet and consent in the CECE Conference.

Come, participate, and let’s build together those strategic pathways for a sustainable circular ecosystem!

Some takeaways from the Workshop:

- Better understanding of Circular Ecosystems
- Multidisciplinary knowledge sharing
- Experience in co-create innovative sustainable opportunities for a Circular Ecosystem
- Experience in participating in a Roadmapping Process
- Better understanding of the challenges and co-creation of opportunities for the Circular Nutrients Ecosystem related to Urine-based Fertiliser