

**Session Title: Circular Economy Implementation**

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**Abstract title: Importance and limitation of LCA in Circular Economy**

This presentation will introduce the following points regarding LCA and Circular Economy.

- ◆ It is essential to quantify the environmental impacts with LCA because, in some cases, pursuing circularity can result in unsustainable results.
- ◆ Circular solutions can extend the functionality of a product or material but do not necessarily increase the product value accordingly, which LCA tends to overlook.
- ◆ It is important to acknowledge and reward the quantified environmental benefits since they are drivers to promote circularity.
- ◆ Dynamic future system changes such as technological improvements should be incorporated into LCA since they could reverse conclusions.