

NEWSLETTER



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MEDIA

In the media, the progress in the work packages (WP) is explained in short articles (Dutch):

The material [flows](#) around electronics (WP 1). The flows are mapped further and show points of interest and attention. Contains a link to an interactive dashboard in the flows of WEEE.

Increasing the [lifetime](#) of electronics (WP 2). Fundamental research into the cracks (by voids) in tin-copper connections, replacement of lead in solder, the spreading of moist and slats in a PCB thought time, and a model that can predict in seconds the lifetime of a connection under influence of thermal stress. Deeper on the research in the more extensive Dutch [article](#).

[Design](#) for a circular economy (WP 3). Review of articles and review on the different connections in electronics (e.g. fold lock, screw or rivet).

[Recycling](#) of electronics (WP 4). Separating the particles as capacitors and chips from the boards (of the PCB) gives opportunities to increase the content of Critical Raw Materials giving opportunities to make recovery technical and economical possible.

Circular business [models](#) (WP 5). Case studies show that circular business models should be part of a broader network of interactions at three different levels. A more extensive [article](#) (in Dutch) also shows examples.

EVENT

Outreach event Circular Circuits October 17th

At this fully booked outreach event presentations were given on the ERP of WEEE, on policy and urban mine possibilities, design for remanufacturing and recycling, business models and closed loop value chains, opportunities in remanufacturing, the vision and support of the Province of South Holland, and the Remanufacturing Collective. A more extensive [description](#) of the day with a video impression of the event shows the active interaction and networking at this event.

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