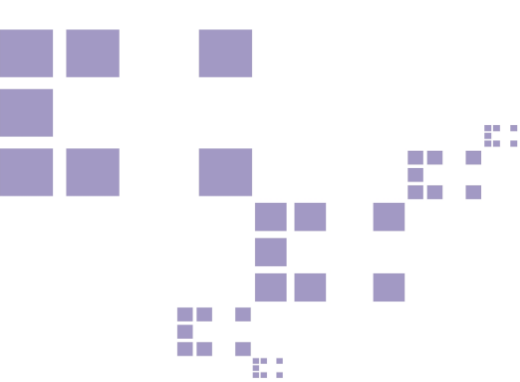




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Circular economy – closing material and energy flows in industry efficiently (Me-loops)

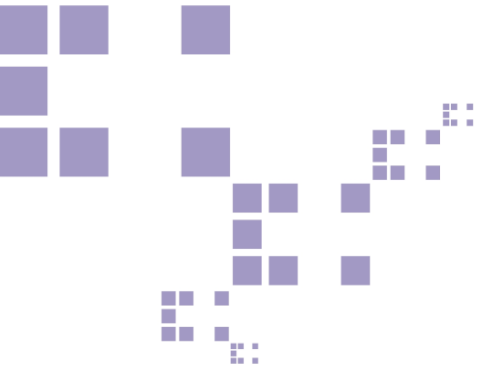
Žiedinė ekonomika – efektyvus pramonės medžiagų ir energijos srautų uždarymas

2016 09 27

Kaunas



University of Applied Sciences and Arts
Northwestern Switzerland



Information



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- Participants:
 - 3 Universities;
 - 5 researchers from Lithuania;
- Project duration:
 - 9 months;



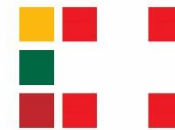
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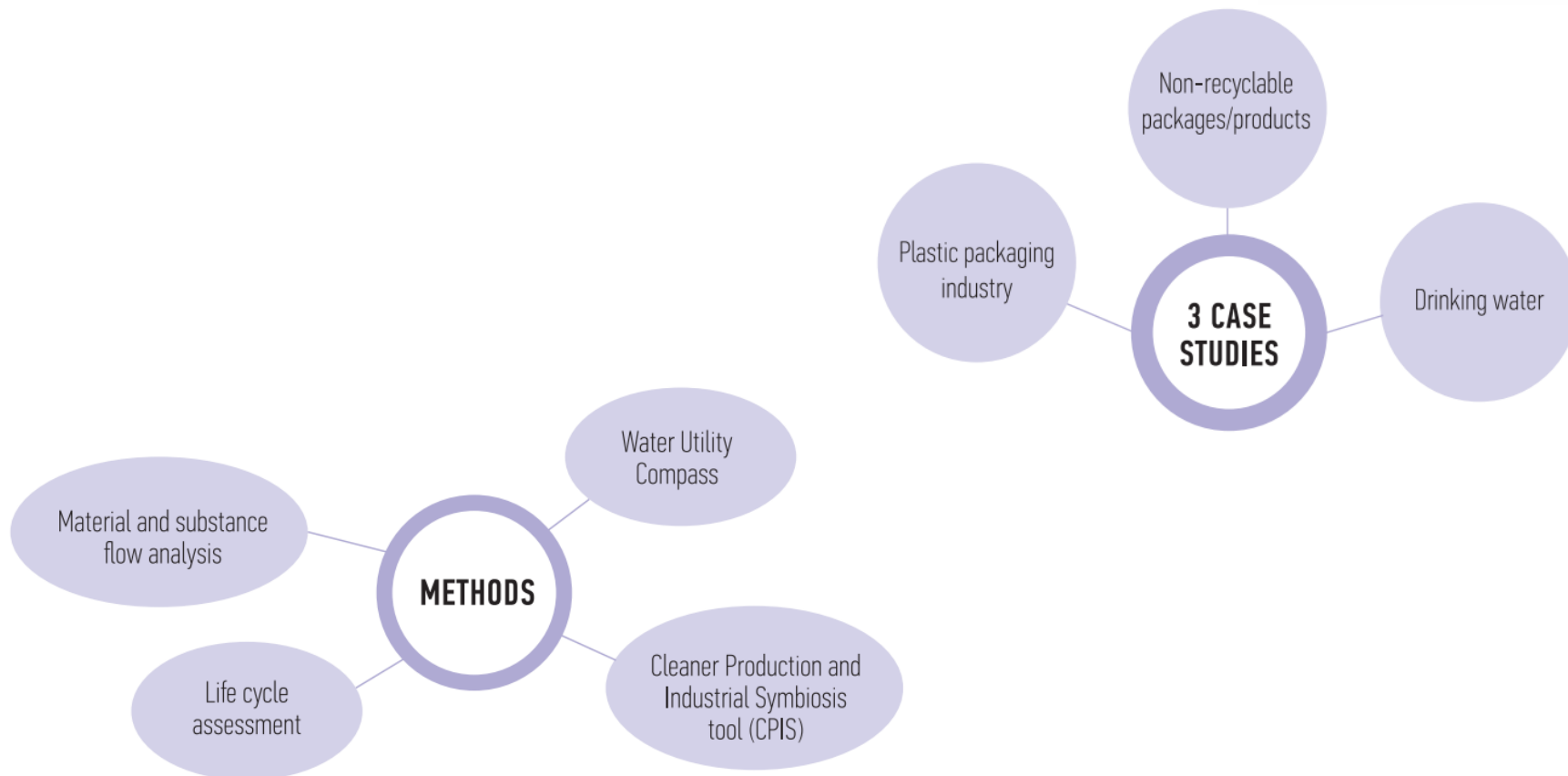
Purpose/tikslas

- To identify and systematically assess resources efficiency improvement options in selected areas of relevant Lithuanian industrial sectors.
- Nustatyti ir sistemiškai įvertinti išteklių naudojimo efektyvumo didinimo galimybes Lietuvai svarbiose pramonės šakose.



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3 studies

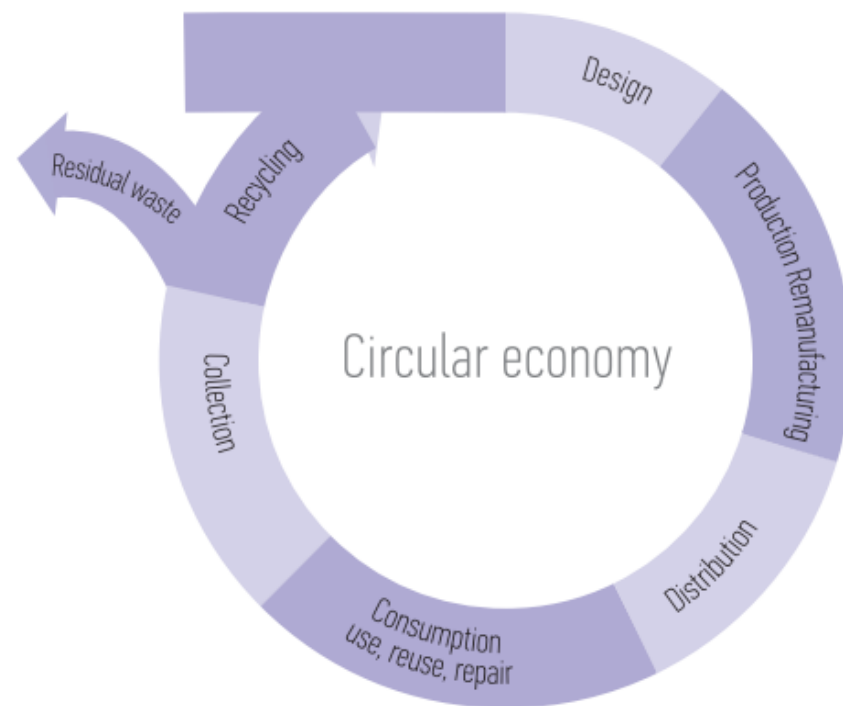




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Circular economy

- Significant reduction in non renewable resource consumption and environmental impacts and a shift to renewable resource are still required to achieve the goals of a green and circular economy.
- The system thinking approach Industrial Ecology (IE) aims to close and reduce material and energy cycles within the boundaries of an industrial metabolism.
- Siekiant artėti prie žiedinės ekonomikos būtina reikšmingai sumažinti neatsinaujinančių gamtos išteklių naudojimą, neigiamą poveikį aplinkai bei pereiti prie atsinaujinančių išteklių naudojimo.
- Sisteminiu požiūriu grįstos „Pramoninės ekologijos“ tikslas uždaryti bei kiekybiškai sumažinti pramoninio metabolizmo medžiagų ir energijos srautus.

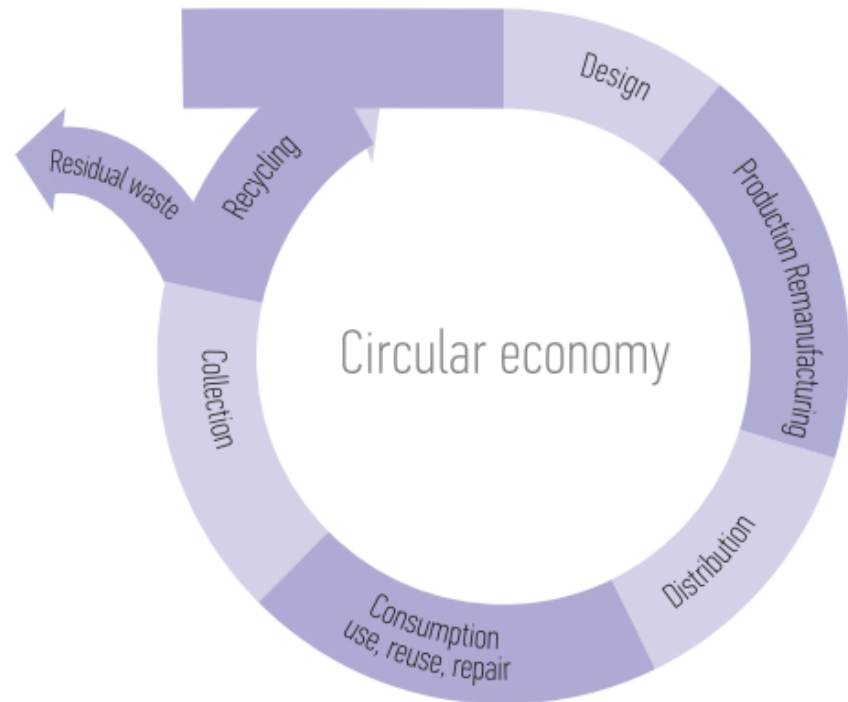


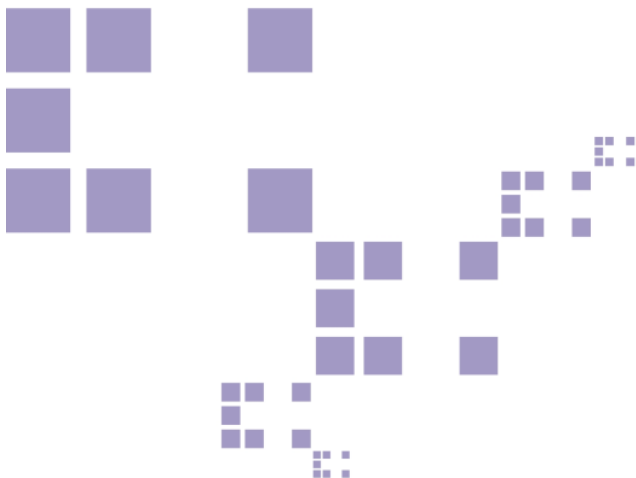


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Circular economy

- Design/dizainas:
 - Beginning of the cycle;
 - Materials;
 - Recourse;
 - Waste
- Production/Gamyba
 - Effective resource using
 - Cleaner production
- Consumption /Vartojimas
 - Choice
 - Price
- Waste management
 - Collection
 - Waste management hierarchy





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Ačiū už dėmesį