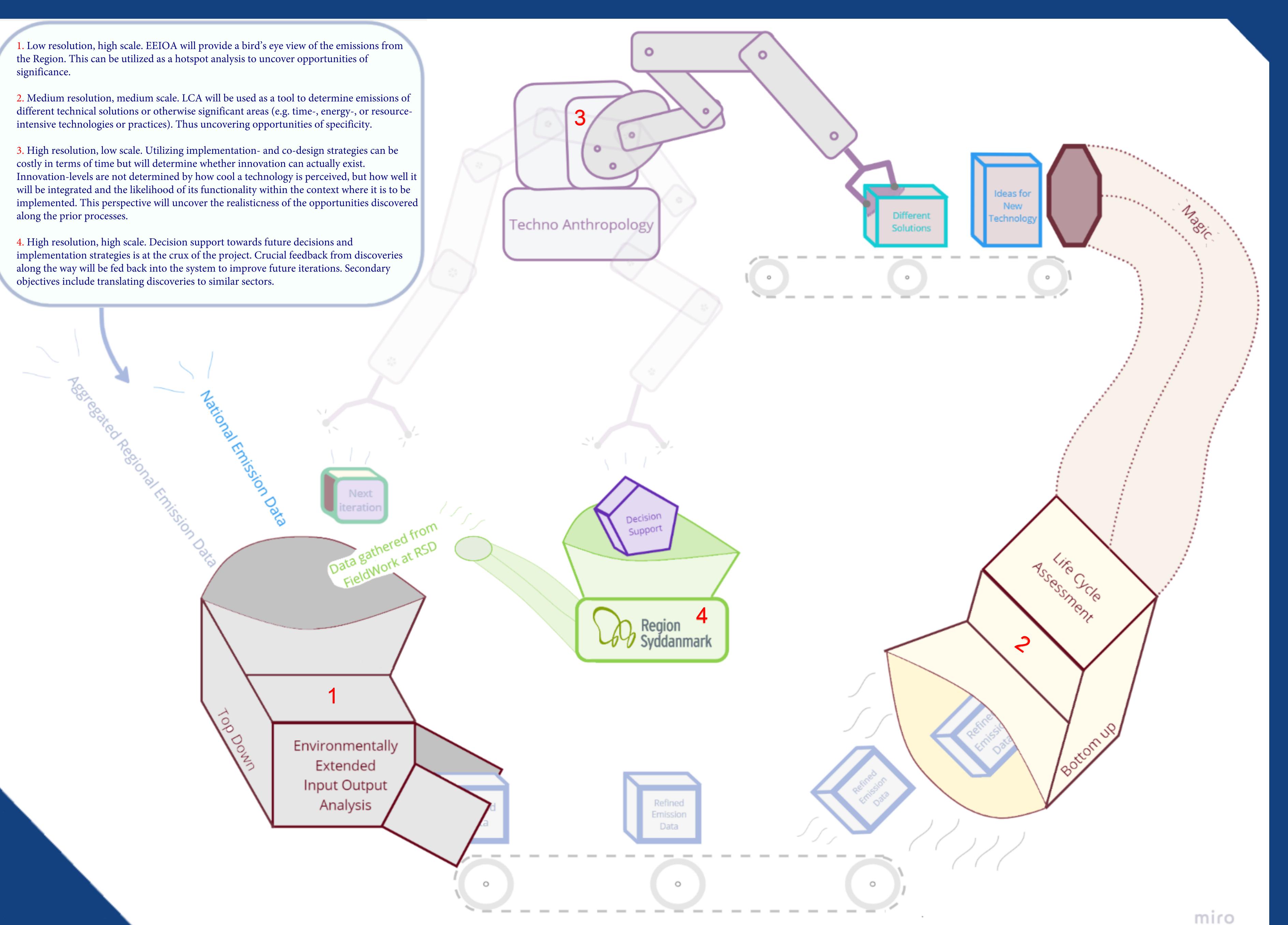
Green Transition of the healthcare sector in the Region of Southern Denmark



An estimated 4,4% of the global emissions of GHG's are caused by the healthcare sector, of which 71% happens in Scope 3 (Karliner et al., 2020).

In the Region of Mid Jutland an estimated 70% of emissions happen in Scope 3 (Klimaregnskab, 2019).

This, combined with the Danish Government's goals for reducing CO2 emissions by 70% in 2030 and becoming CO2 neutral by 2050 (Climate Act, 2020), is the background for a full scale analysis into how to measure and reduce emissions of the Region of Southern Denmark (RSD).



Goal

The main goal of the study is to uncover viable CO2 reduction paths for the healthcare sector in the Region of Southern Denmark (RSD)

Approach (in steps):

- Map and review literature on best practices for reducing GHG emissions from a Healthcare sector.
- Develop an accounting model for RSD using a hybrid approach combining EEIOA and LCA tools. The model features include ways to assess how Green Transition strategies will impact the future.
- Develop emission reduction paths for the Region to use as decision support. Reduction paths will be modelled in future 'Development Scenarios' for 2030 and 2050, respectively. Reduction paths will be aligned with regional, national and international policy targets.
- Include a Technoanthropological perspective to make sure the changes align with the expectations of stakeholders, so innovation can take place. (Stakeholders include but is not limited to: patients, and healthcare-/ regional- personnel)

Literature:

Josh Karliner and Scott Slotterback, HEALTH CARE'S CLIMATEFOOTPRINT, Arup & Healthcare Without Harm (report)

Klimaregnskab, 2019 - *Klimaregnskab* 2019 for virksomheden Region Midtjylland (report)

The Danish Climate Act, 2020 - *Ministry* of Climate, Energy and Utilities, file no. 2019-2855

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