

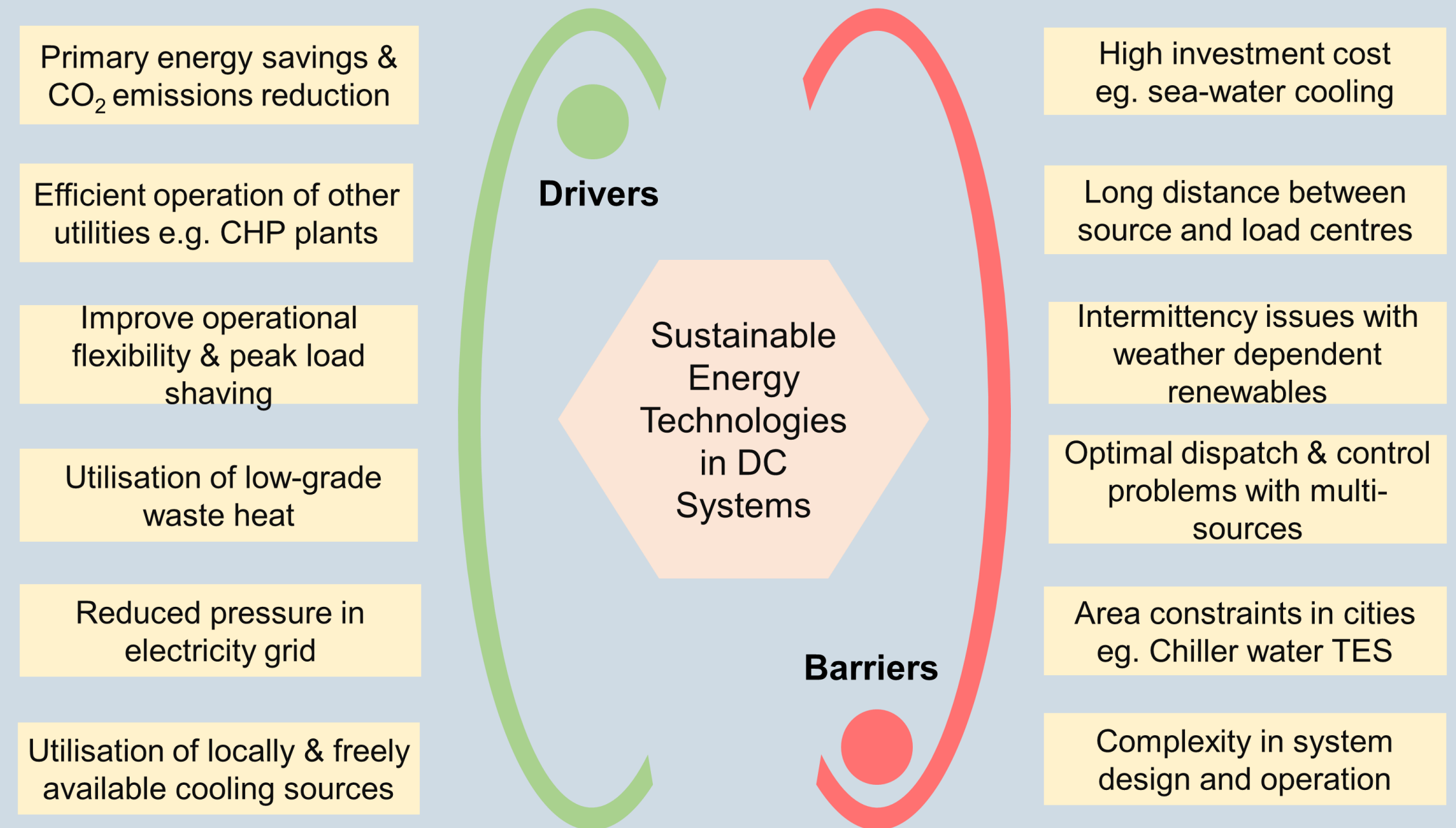
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End-user's perspective is important while developing sophisticated system models & control strategies

Key Challenge: Finding a robust and optimal solution for future DC complexities with diverse energy sources

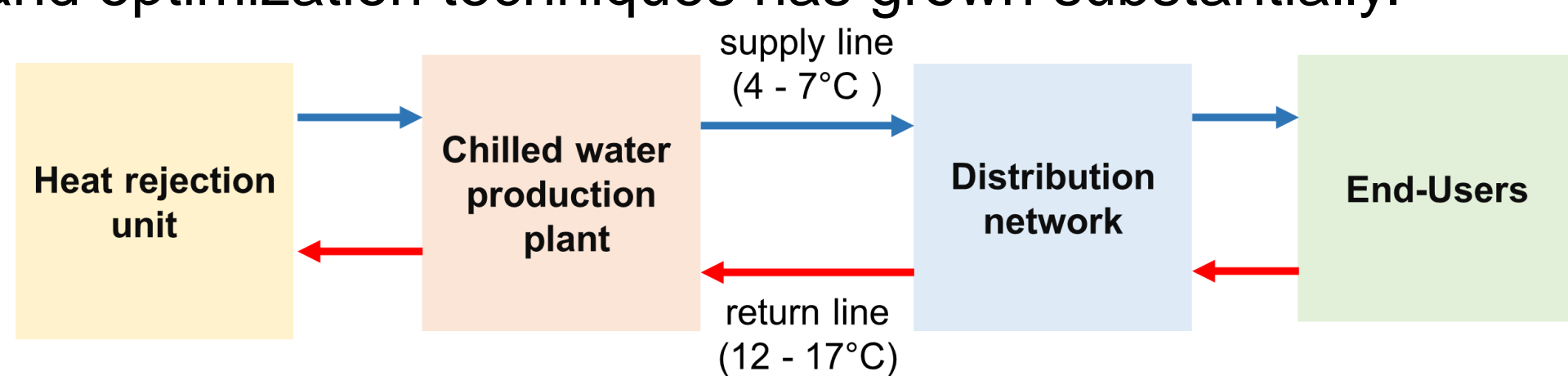
Non-economic factors still remain less-relevant in optimization problems, a barrier to SET adoption.

Controlled vocabulary will assist in synthesising studies related to modelling and optimization.



Introduction

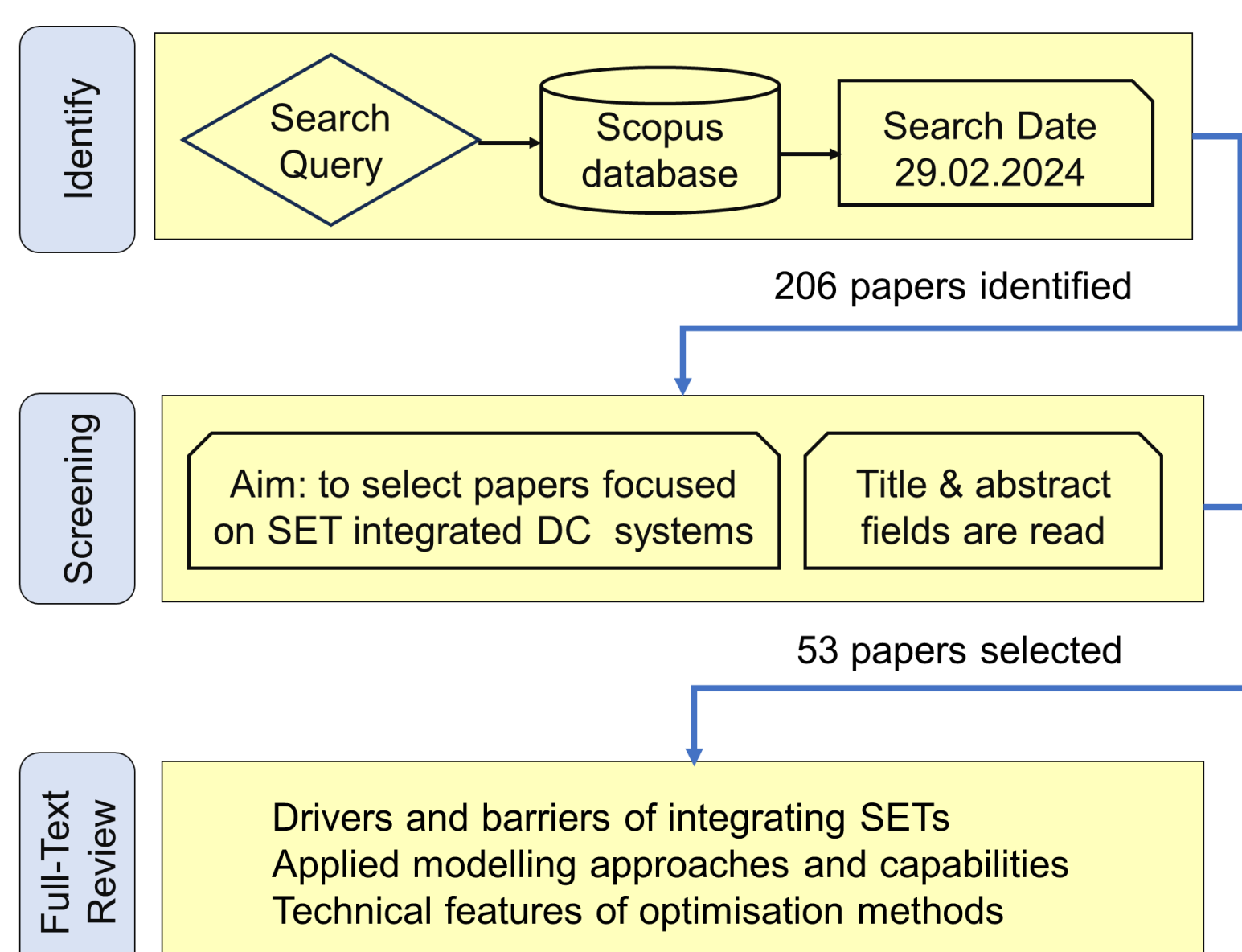
In the pursuit of decarbonization, District Cooling (DC) systems emerge as crucial components within sustainable energy roadmaps. As beacons of efficiency, they offer pivotal platforms for integrating diverse cooling sources, renewables, and energy storage solutions. With sustainability at the forefront, the evolution of DC infrastructure now navigates toward a future harmonized with Sustainable Energy Technologies (SET). As DC systems transition towards this sustainable future, the significance of employing appropriate modelling approaches and optimization techniques has grown substantially.



Methodology for Literature Review

Research Question: What are the recent trends in SET integrated DC systems?

Combination of systematic (Covidence software) & traditional review (Ms Excel) approach is adopted



Visual conclusion

