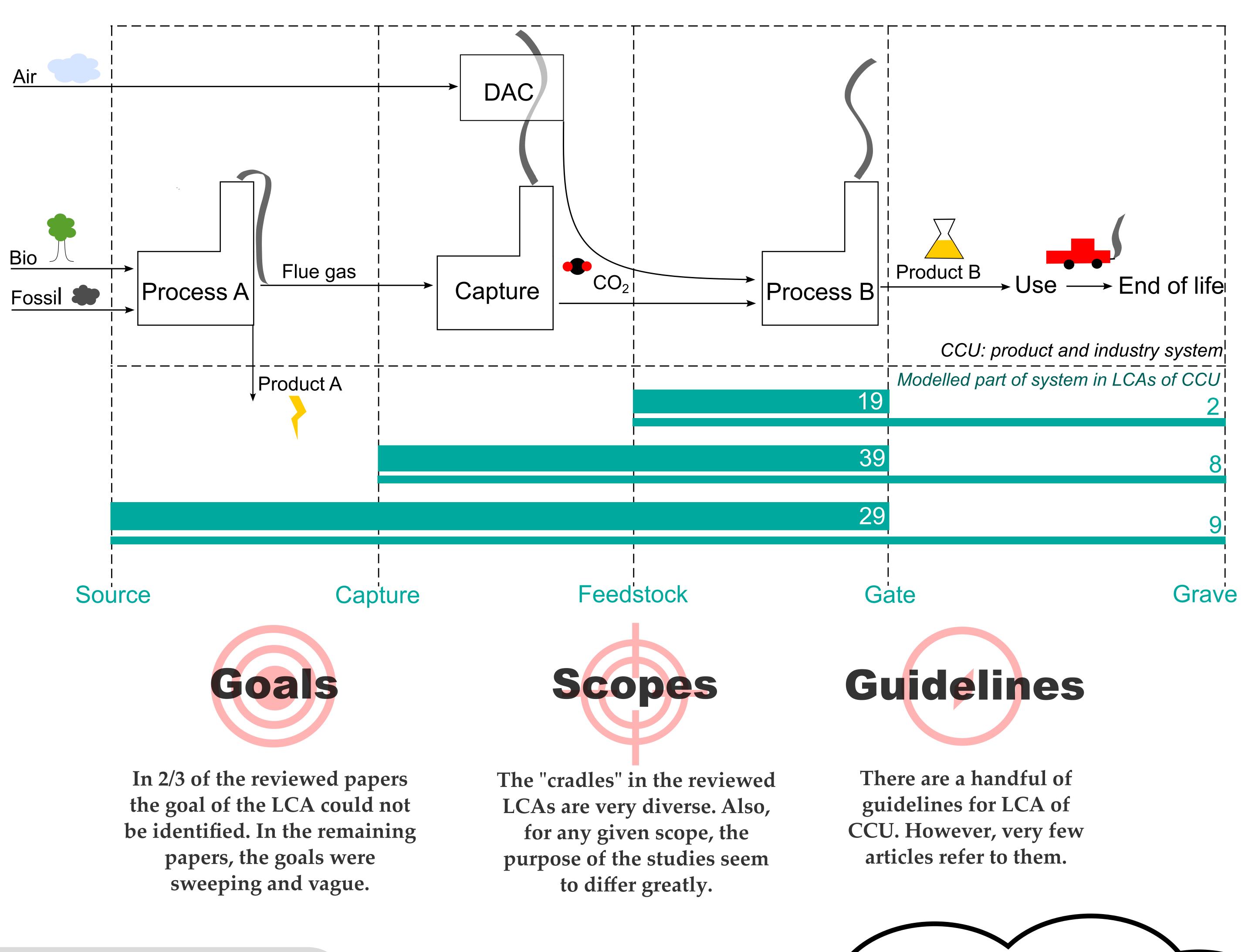
Reviewing life cycle assessments of carbon capture and utilisation – unclear goals lead to unclear results

Evelina Nyqvist, Henrikke Baumann, Matty Janssen

Division of Environmental Systems Analysis, Chalmers University of Technology

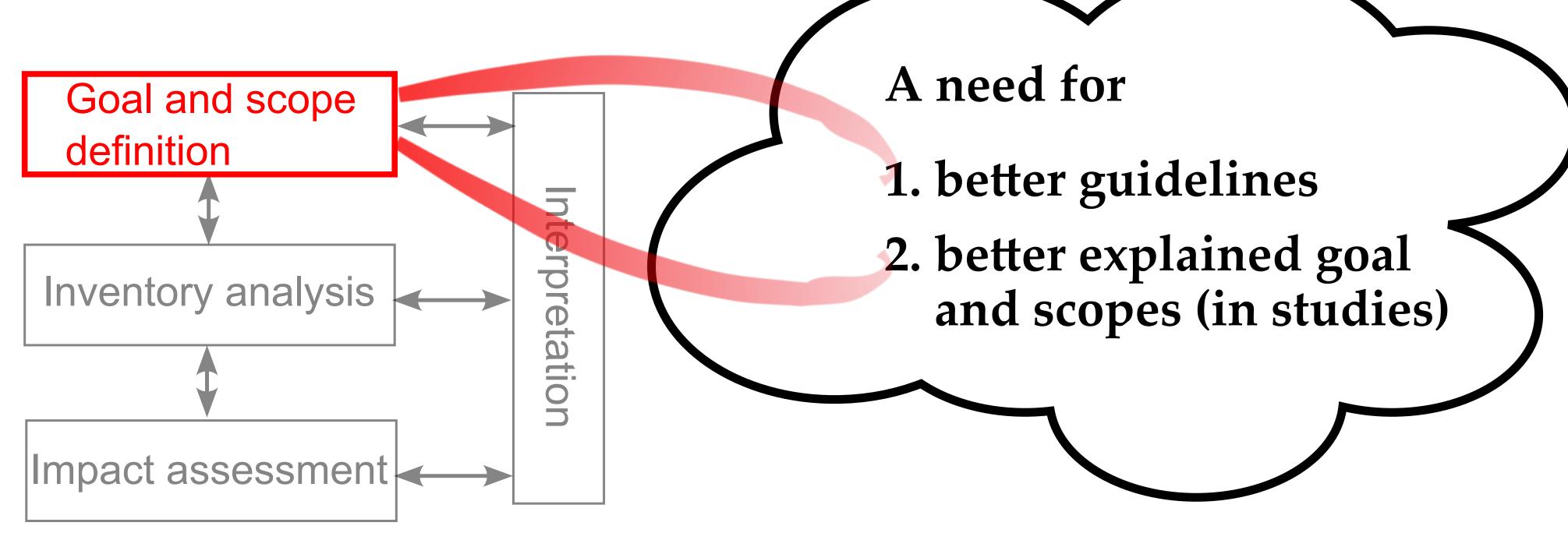


106 articles with LCA of CCUs were reviewed. These had very different scopes (length of green lines below). The numbers indicate the number of studies with a particular scope. How come these LCAs have so different scopes?



What is CCU?

Carbon Capture and Utilisation (CCU) is the process of capturing CO₂ and utilising it to produce a product. It is one way to replace fossil feedstock in chemical processes and a potential pathway to mitigating CO₂ emissions from industry.



What would it take for you to trust such studies to deliver on climate targets?



Evelina Nyqvist, Doctoral Student
Division of Environmental Systems Analysis
Chalmers University of Technology
evelina.nyqvist@chalmers.se





