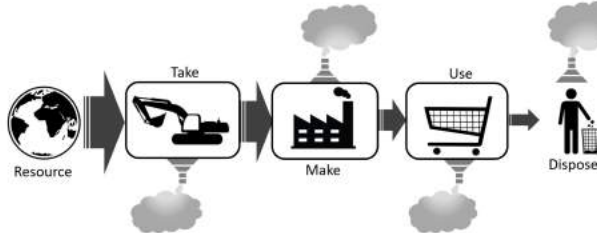


OPPORTUNITIES FOR PREPARING URBAN CONTAMINATED LAND FOR BIO-BASED PRODUCTION

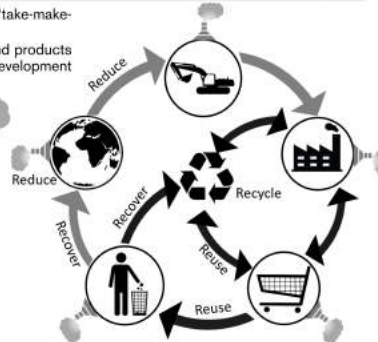
INTRODUCTION

i. Linear Economy

Current economic system is fundamentally 'linear' for most parts; following the same model of 'take-make-use-dispose' resource exploitation
Circular Economy is an economic system that focuses on maximizing the reuse of resources and products and minimizing their depreciation, and operationalization for businesses to achieve sustainable development



Circular Economy

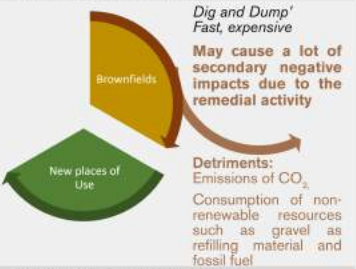


ii. Brownfields in Circular Economy

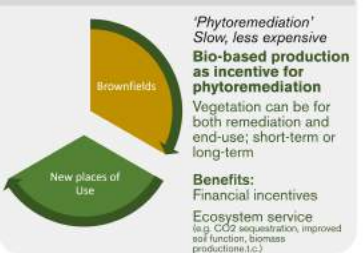


iii. Remediation and Bio-based production

Hard Remediation



Soft Remediation



OBJECTIVE

The overall aim of the PhD project is to investigate the possibilities and preconditions for preparing urban brownfields for temporary and long-term urban bio-based production to foster a bio-based Circular Economy

This poster relates to the specific objective 1:

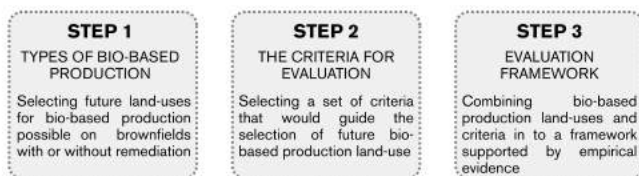
Investigate state of the art of remediation and land use options of brownfields for various type of bio-based production opportunities

METHODS

EVALUATION FRAMEWORK

for understanding the potential of brownfields in urban circular economy

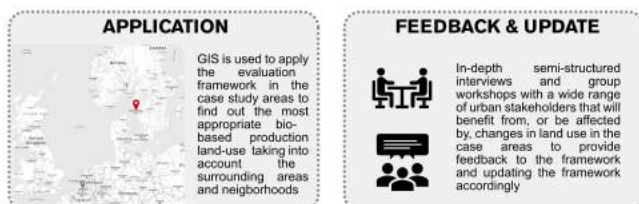
Tools: Structured literature review



TEST ON CASE STUDY SITES

selected across Gothenburg, Sweden and reviewed by stakeholders

Tools: GIS, semi-structured interviews, stakeholders workshops



RESULTS

Work in progress - Summary of the ongoing literature review; the work on the project started in August, 2018 and is still in the initial phase

Tentative Evaluation Framework

Land-use	Riverbank green	Historical park	Grassland	Neighborhood greenspace	Institutional greenspace	Allotment garden	Community garden	Agroforestry/Horticulture
Criteria								
Remediation	Yes							
Duration	No							
Crop type	Perennial							
	veg/fruit							
	Biofuel							
	Others							
Size	Small							
	Large							
Access	Public							
	Private							
Exposure	Low							
	Medium							
	High							
Practice	Single							
	Communal							
Consumption	Yes							
	No							
Market	Yes							
	No							

FUTURE RESEARCH

Objective 2: Method for selection of remediation options for preparing brownfields for bio-based production

Objective 3: Multi-stakeholder planning and governance for alternative soil remediation and bio-based production