

# LoCoFoRest and a new bio-based economy



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# Challenges



# One opportunity: A *global* forest industry revolution





# SUSTAINABLE DEVELOPMENT GOALS



# SUSTAINABLE DEVELOPMENT GOALS



# WHY POTENTIAL ≠ REALITY?

## Barriers to implementation and scaling

- Lack financing, political will, private sector involvement
  - Lack of sustainable business case (For the native forest)
  - Smallholders NOT included
  - Trade-offs
- 
- Restoration and conservation are *costs*
  - No business plans or plans for utilization (Native Forests)
  - Lacking complete value chains (industry & markets)
  - Stuck in current paradigm of timber industry  
(species, standard dimensions, products, markets)

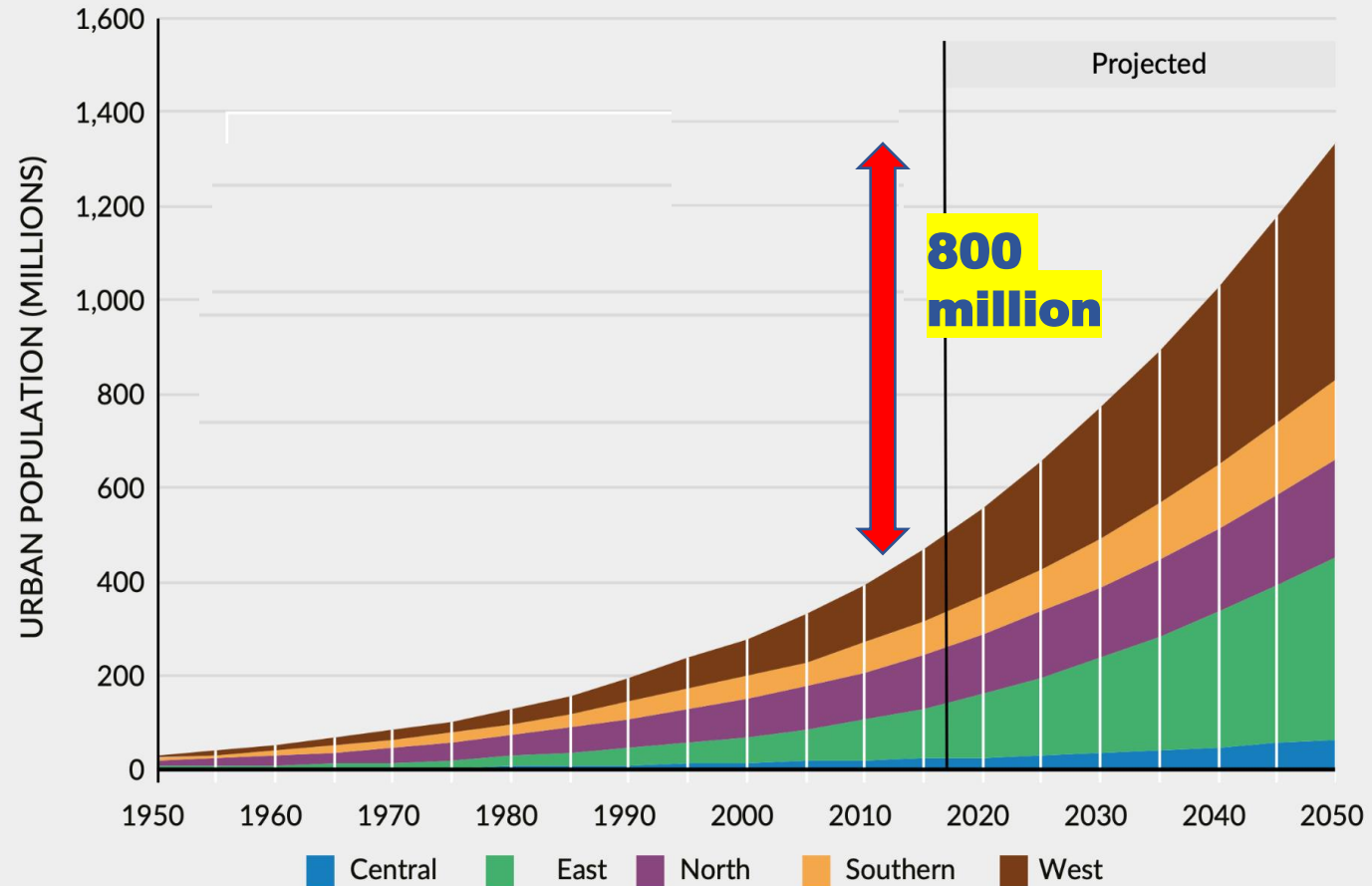




## ***Solutions that:***

- **Scale to the magnitude of the challenges  
(= is profitable enough)**
- **Drive the change we want to see**

# Urban Growth is a Major Challenge



Source: Based on UNDESA (2014).



natural climate solutions

private sector

poverty alleviation

carbon storage

youth

wood

entrepreneurship

sustainable use

value chains

value addition

sustainable growth

transformation

job creation

restoration

land tenure

rural development

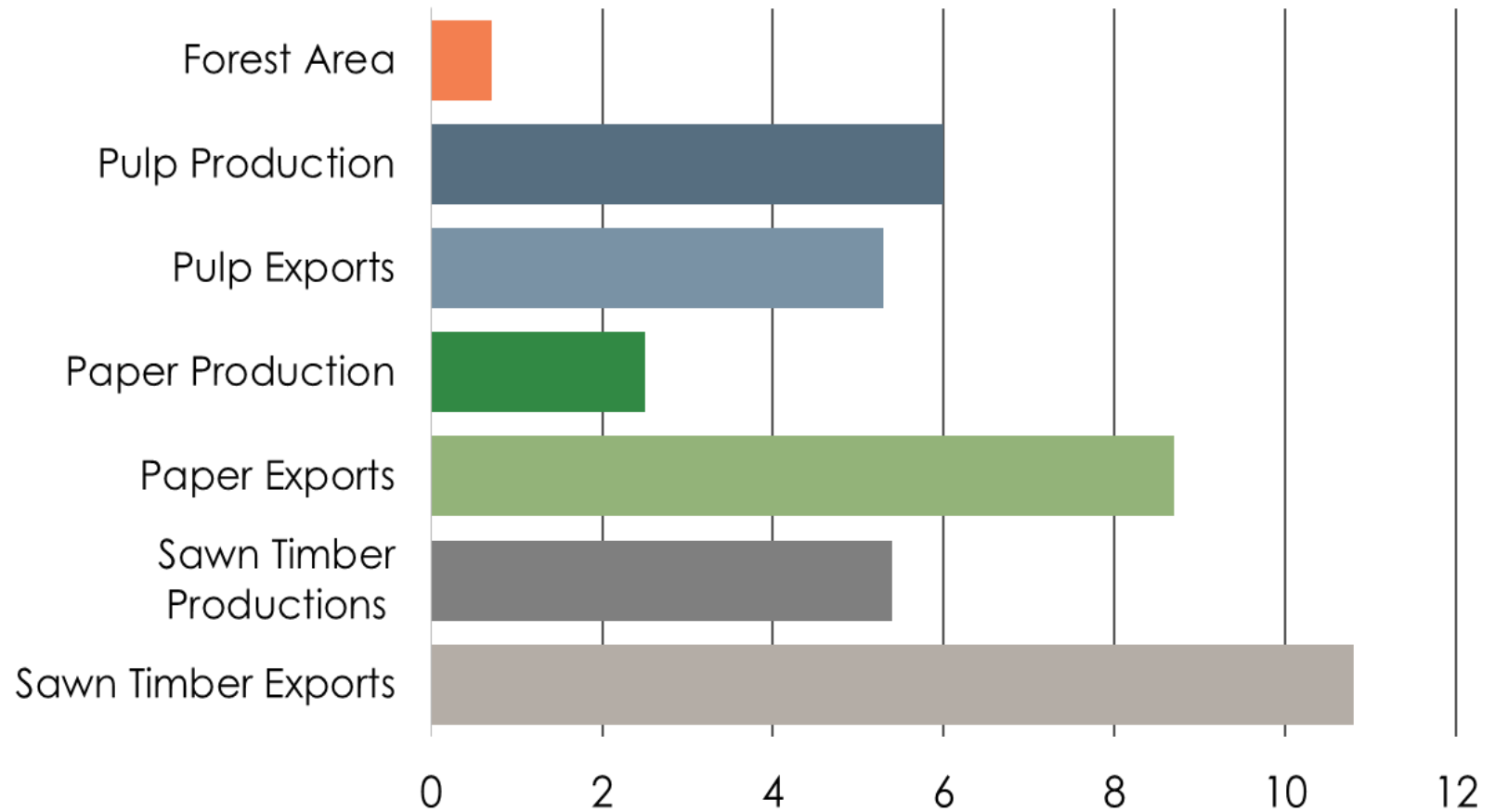
investment

markets

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# Sweden's share of the world's:



Per cent





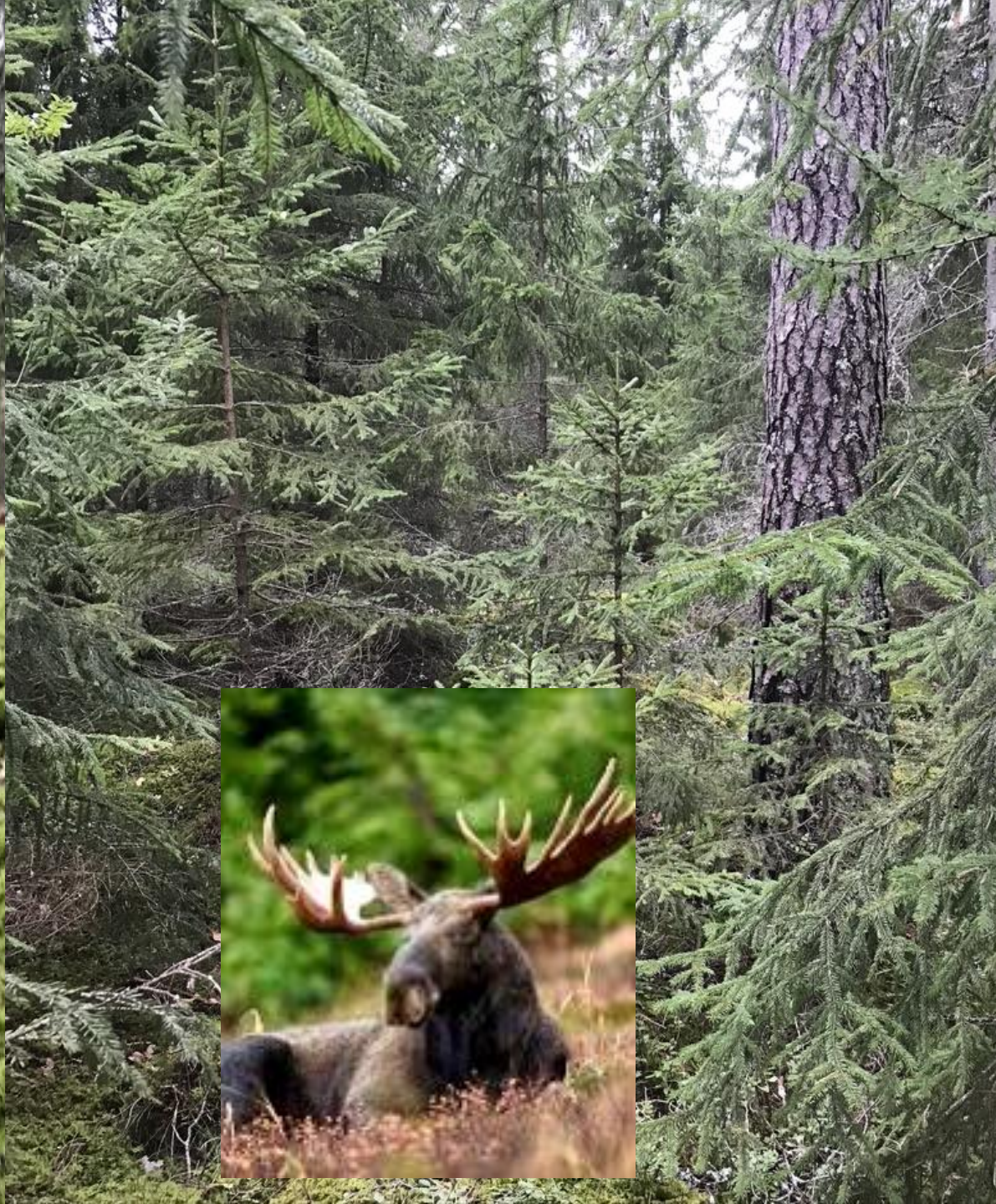
**World's 5th largest exporter of pulp,  
paper and sawn timber  
(With only 1% of the forest area)**



**Export value 2021: EUR 16,4 billion  
(That's more than 1500 EUR/capita)**





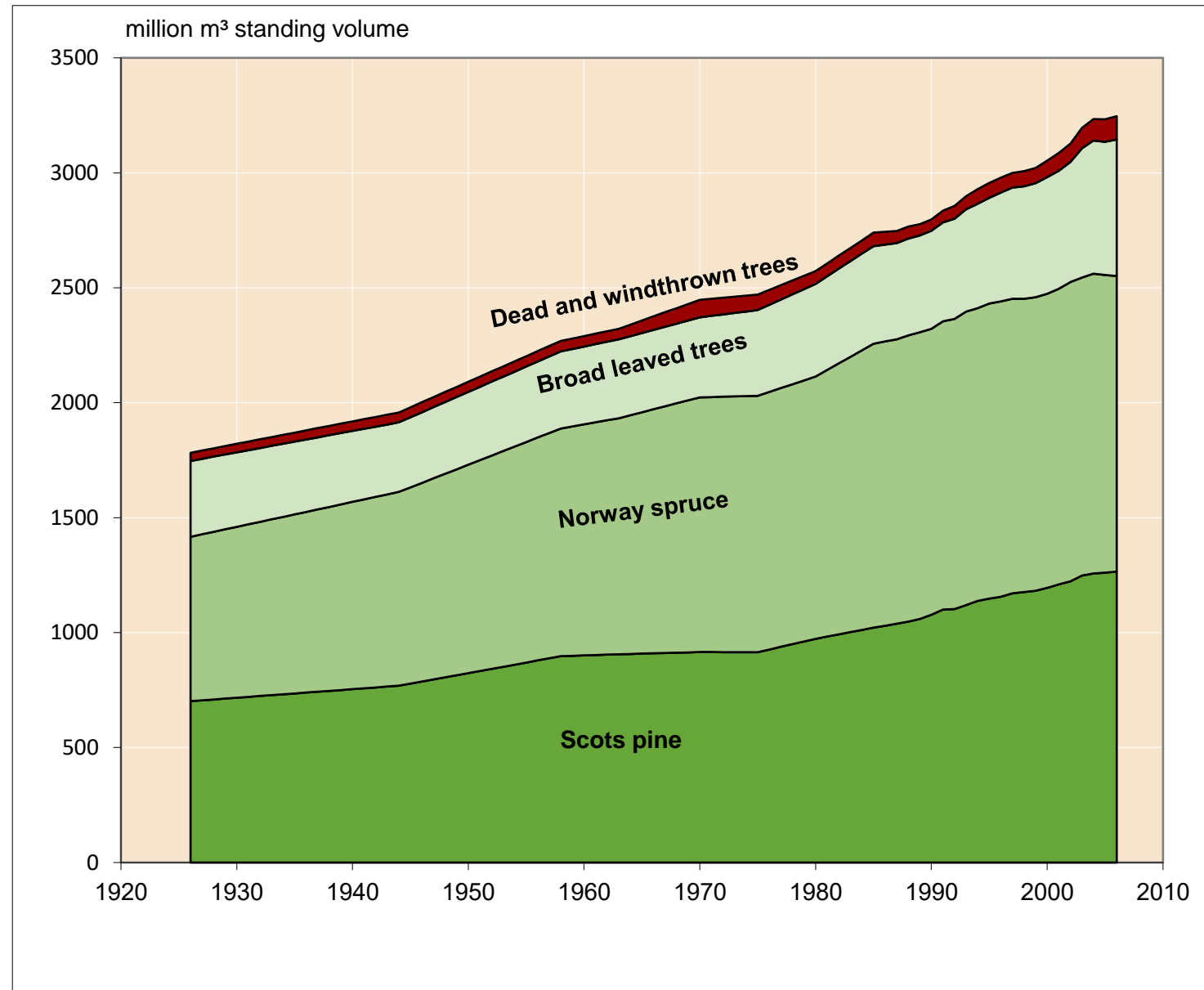








Sweden- one of few countries that have restored its native forests



# Drivers for restoration in Sweden- building its wealth

- Demand..... (Urbanisation, Industrialisation, War)
- Entrepreneurship and Innovations = Competitive Industry
- Supportive Policy Development – Successful implementation
- Government support- research, extension, education

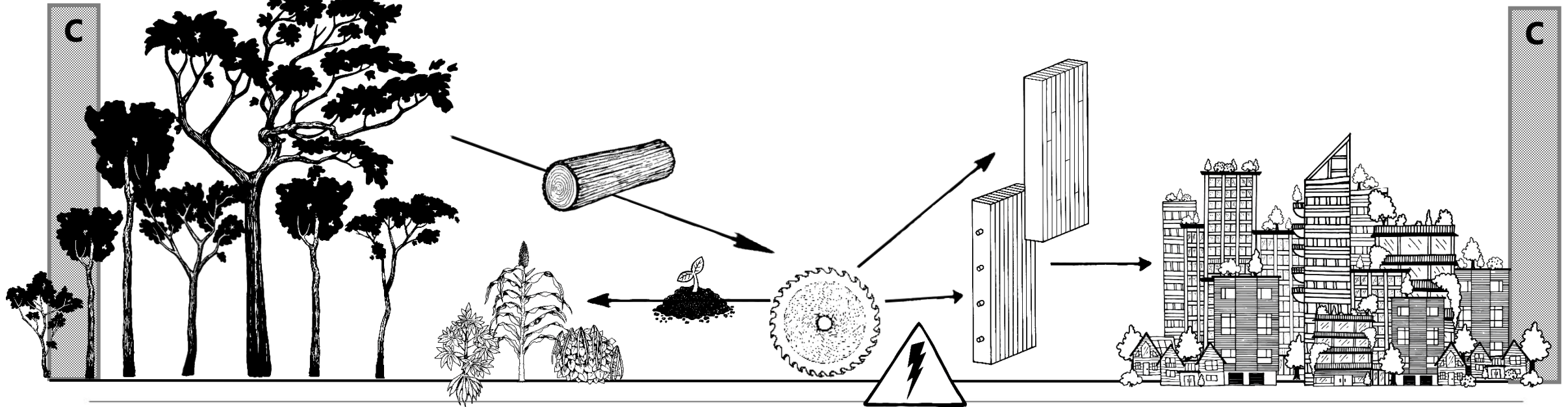


# TRANSFORMATION

2021

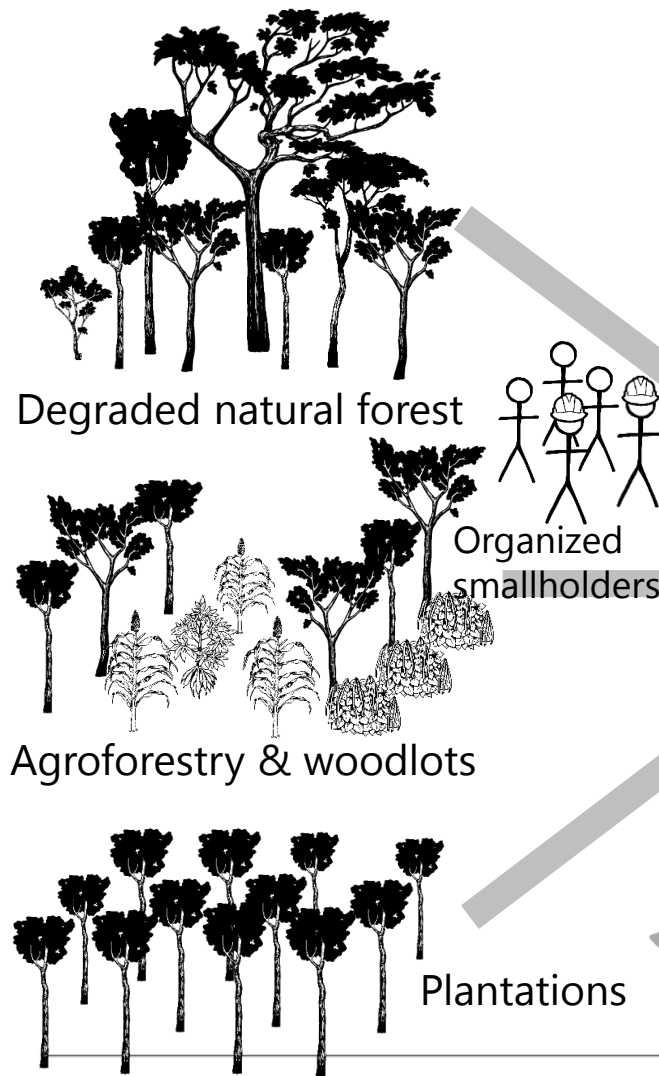


2100

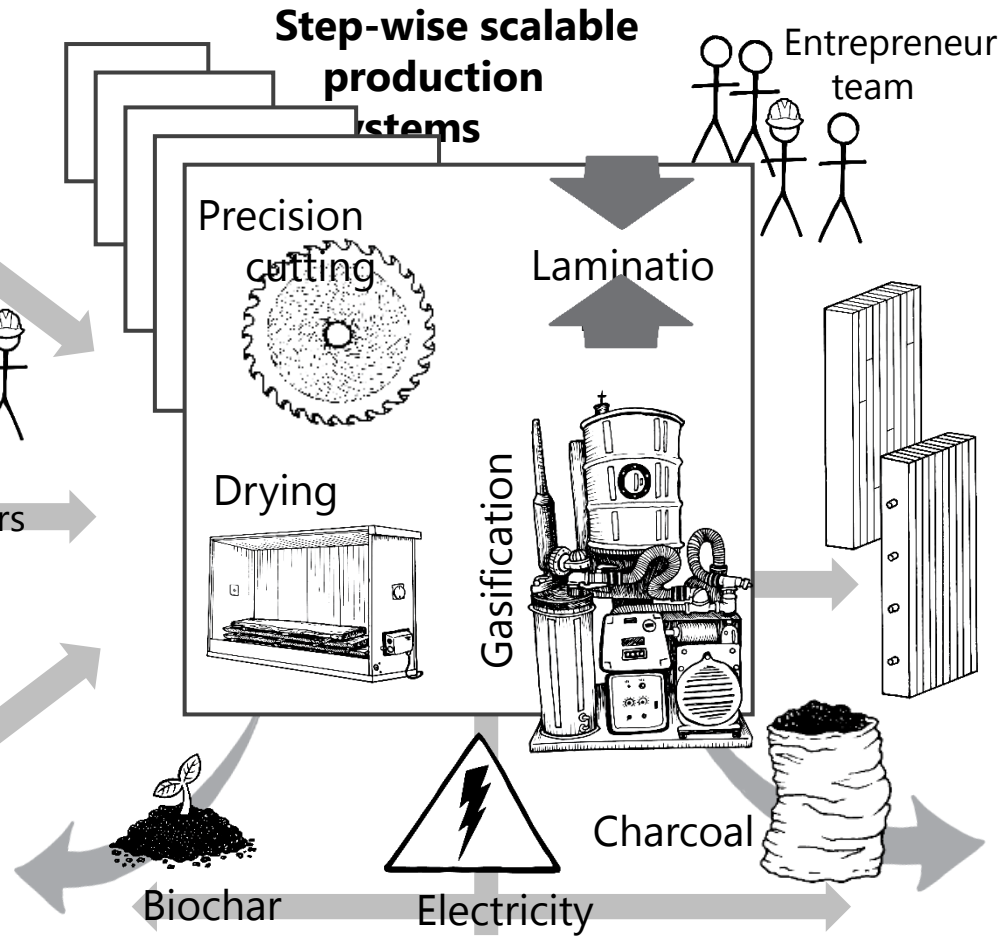




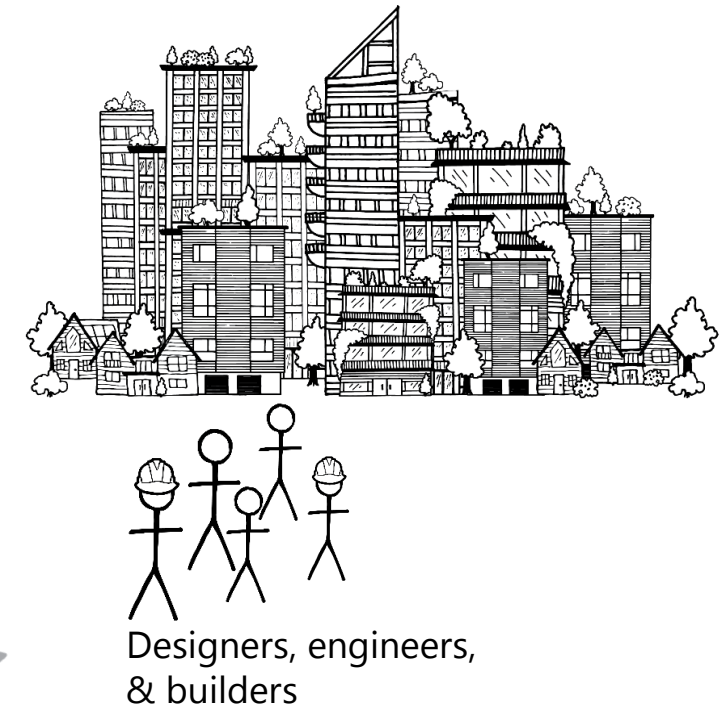
## Innovative forest landscape management



## Innovative production systems: wood, energy, biochar

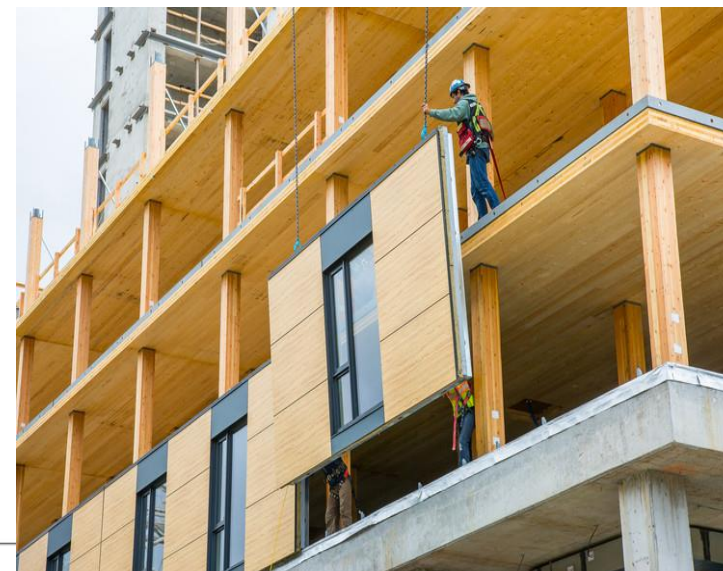
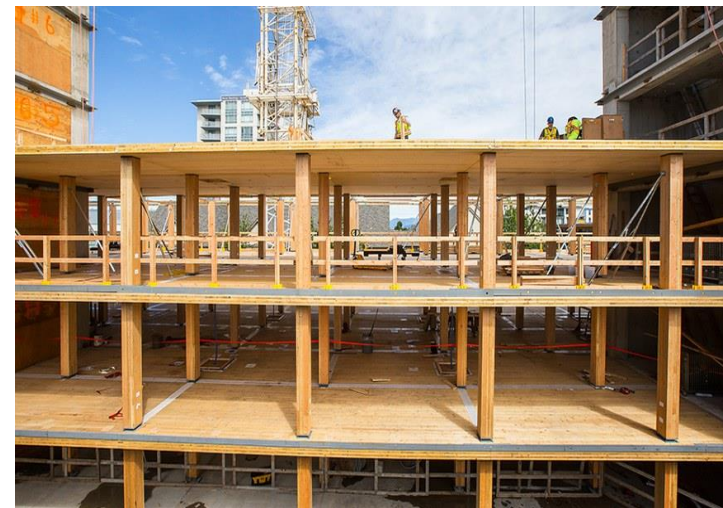


## Innovative mass wood building systems





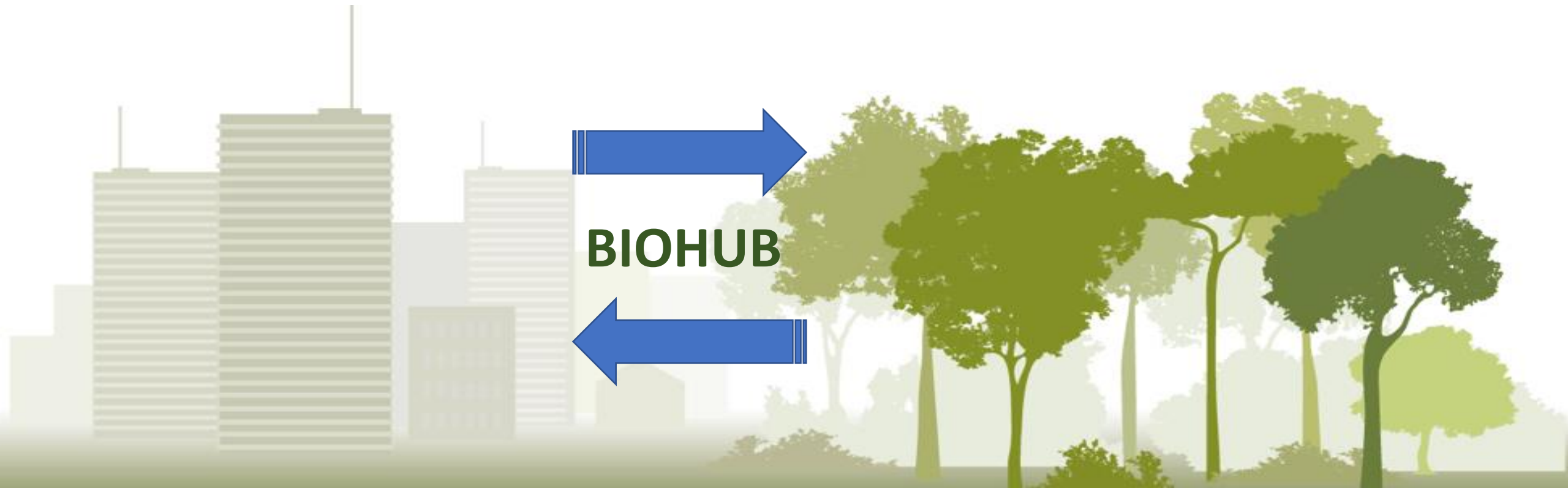
## A dirt road curves through a wooded area. The trees are in various stages of autumn, with some leaves turned bright yellow and orange, while others remain green. The ground is covered with fallen leaves and dry grass. The scene is captured from a low angle, looking down the road.





# The Missing Link

**Key actors in the new industrial system: Finance + Millions of small-holders that can receive high value for their resources.**





# Locally Controlled Forest Restoration - LoCoFoRest

## Enabling factors:

- An entrepreneurial revolution
- Urban financing driving the chain of investments into the forests (Forced by climate crises?)



# Key enabling technologies

- New models for **restorative management** of degraded secondary natural forest
- Stepwise **scalable production systems**,
- Utilization of bio-residues
- **Product development**
- System **integration**



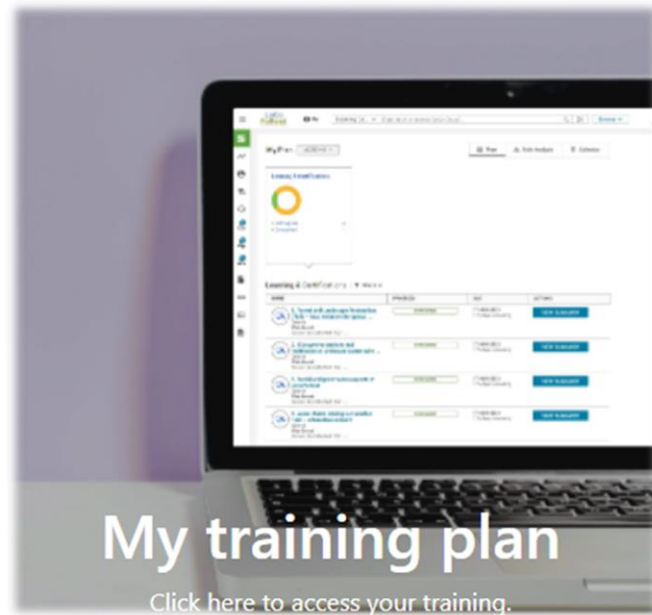


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# The LoCoFoRest program

Web course



Intensive course

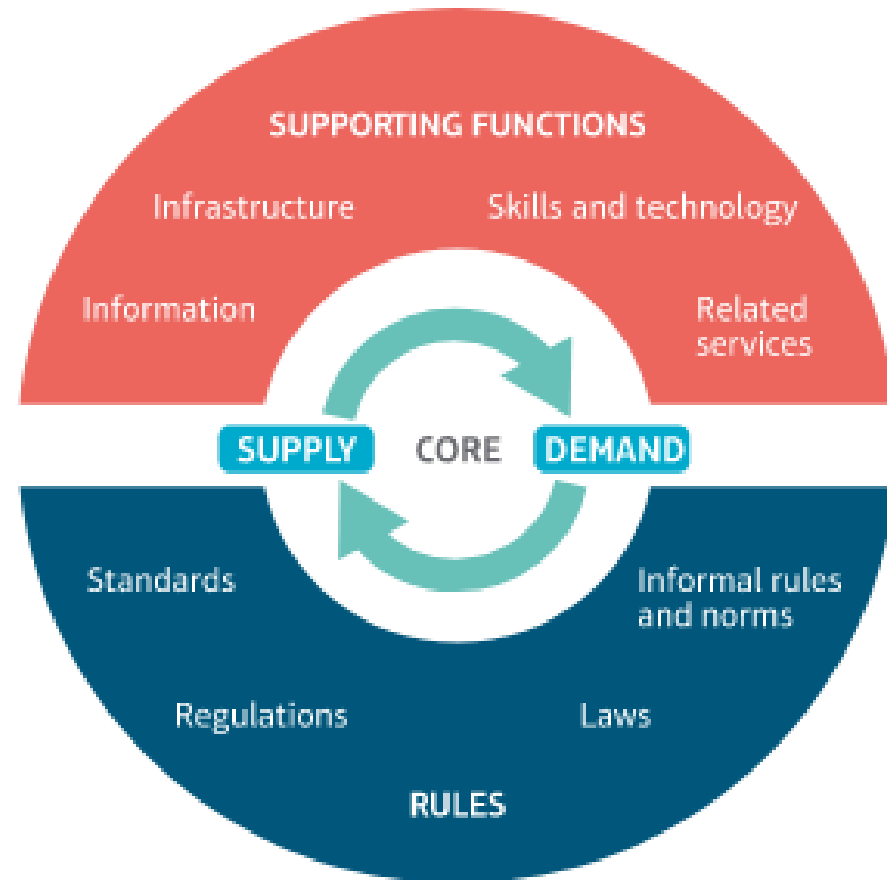


Change project





# The Change projects purpose is to identify barriers for change and suggest solutions



Source: M4P Operational Guide (2015)

# Thank you!

