



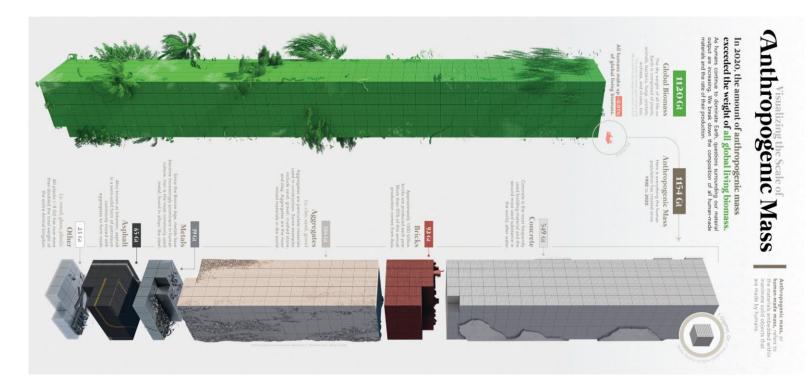
CIRCON *The circular economy in construction: eco-design of circular buildings*

Katarzyna Jagodzinska

01/09/2023



Project overview



Visual Capitalist



+ Nisualcapitalist

These trends highlight the alarming speed and volume in which human contributions are impacting the world.

As accumulation rates increase, the amount of human-made mass is predicted to almost **triple the total amount of**

global living biomass by 2040.

The Accumulation of Anthropogenic Mass

The current rate of

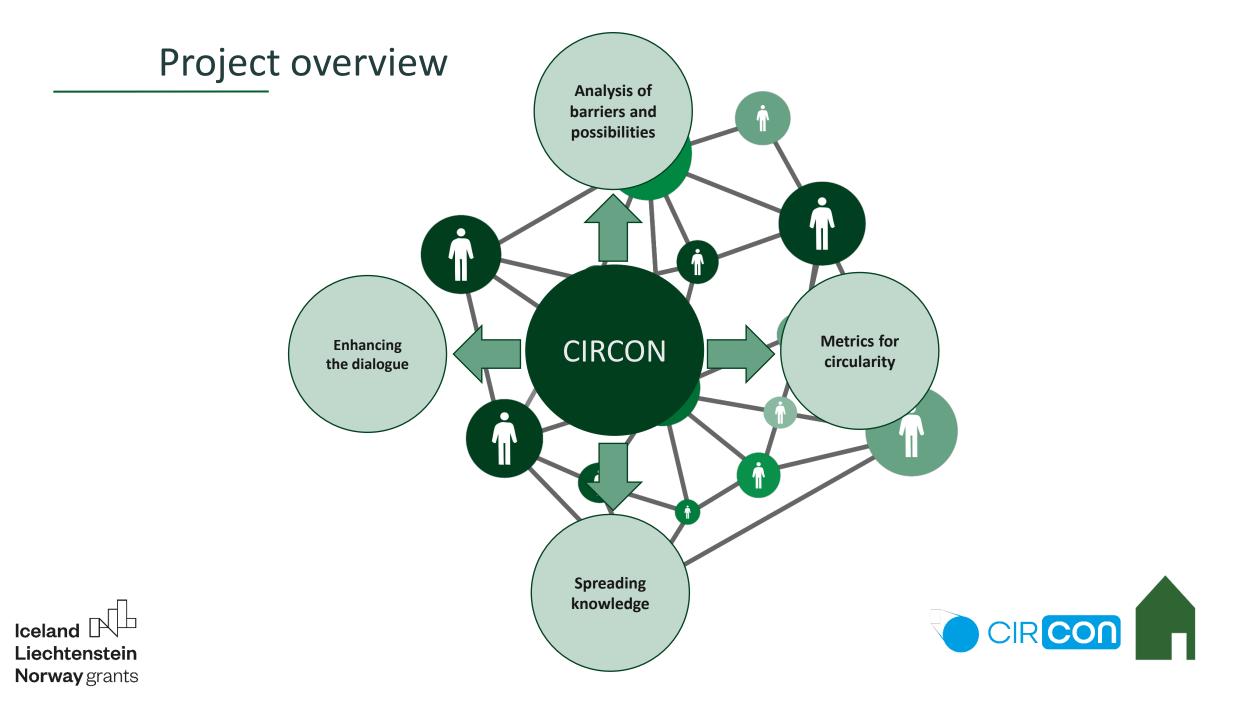
This is equal to each person on Earth producing their own weight in human-made mass every week.

VISUAL

COLLABORATORS RESEARCH + WRITING Bruno Venditi: ART DIRECTION & DESIGN Mark Belan

accumulation for human-made mass is approximately **30 Gt** of mass per year.





Project overview











Stjórnarráð Íslands Umhverfis-, orku- og loftslagsráðuneytið









Lack of legal frameworks/regulations

Lack of government incentives

Stakeholder analysis

Lack of data on material flows and their quality

Lack of knowledge on circular design/construction/renovation

Underdeveloped market of circular materials and solutions

Lack of demonstration cases

Cultural barrier towards reused materials

The risk that components/materials/solutions/techniques become outdated during the building's lifespan

Lack of customer's interest



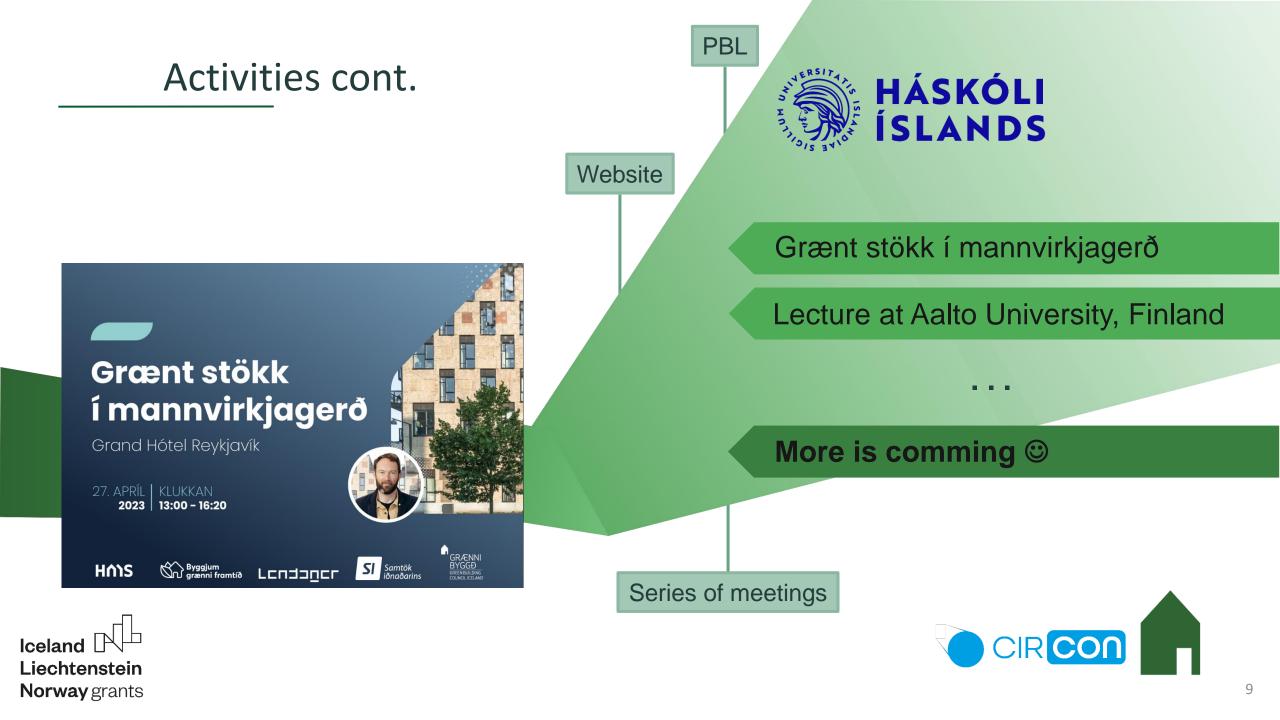












Thank you for the attention

kjag@graennibyggd.is



