

Final Project Implementation

Pomelo Hub

2023

Pomelo Hub

A collaborative network to help reduce the road freight and thus transportation pollution to create a more circular, distributed approach within the industrial sector.

An innovative idea to facilitate multiple exchanges between collaborators and entities where things are shared for the global common good.

MASTER IN DESIGN FOR DISTRIBUTED INNOVATION

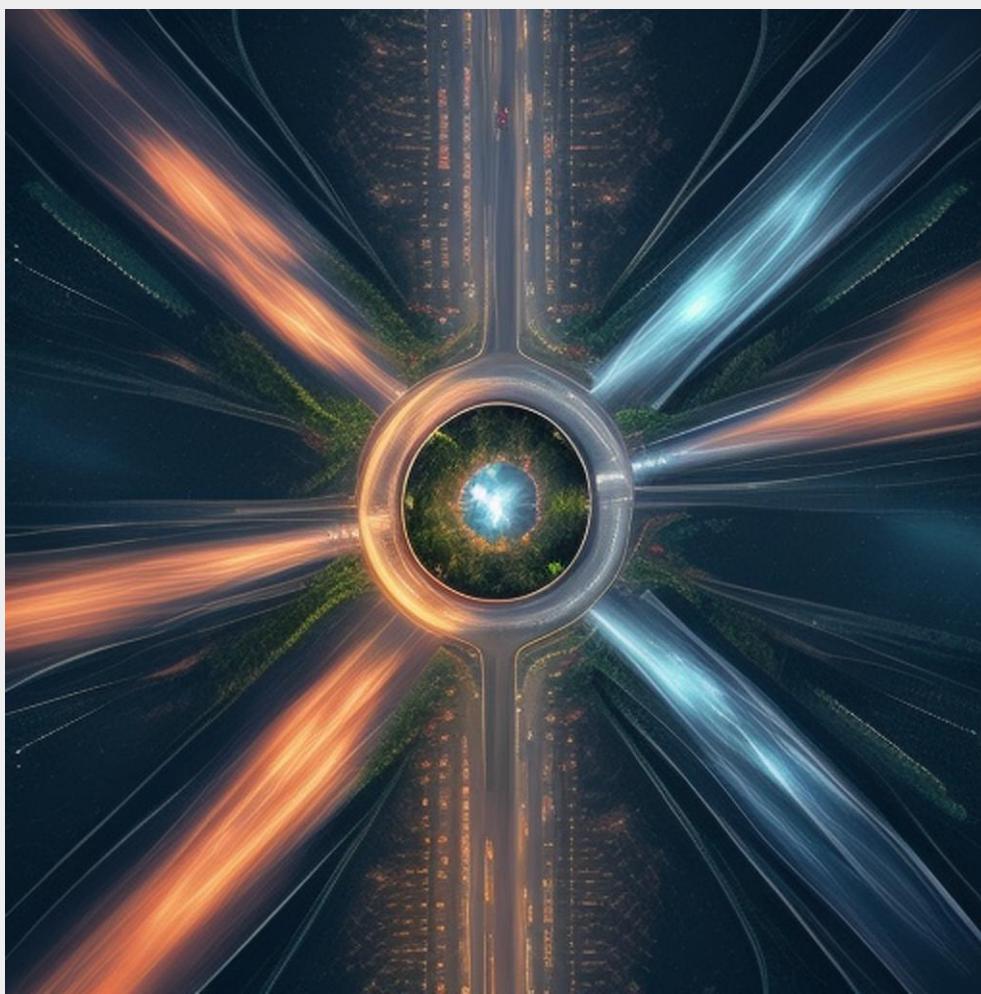
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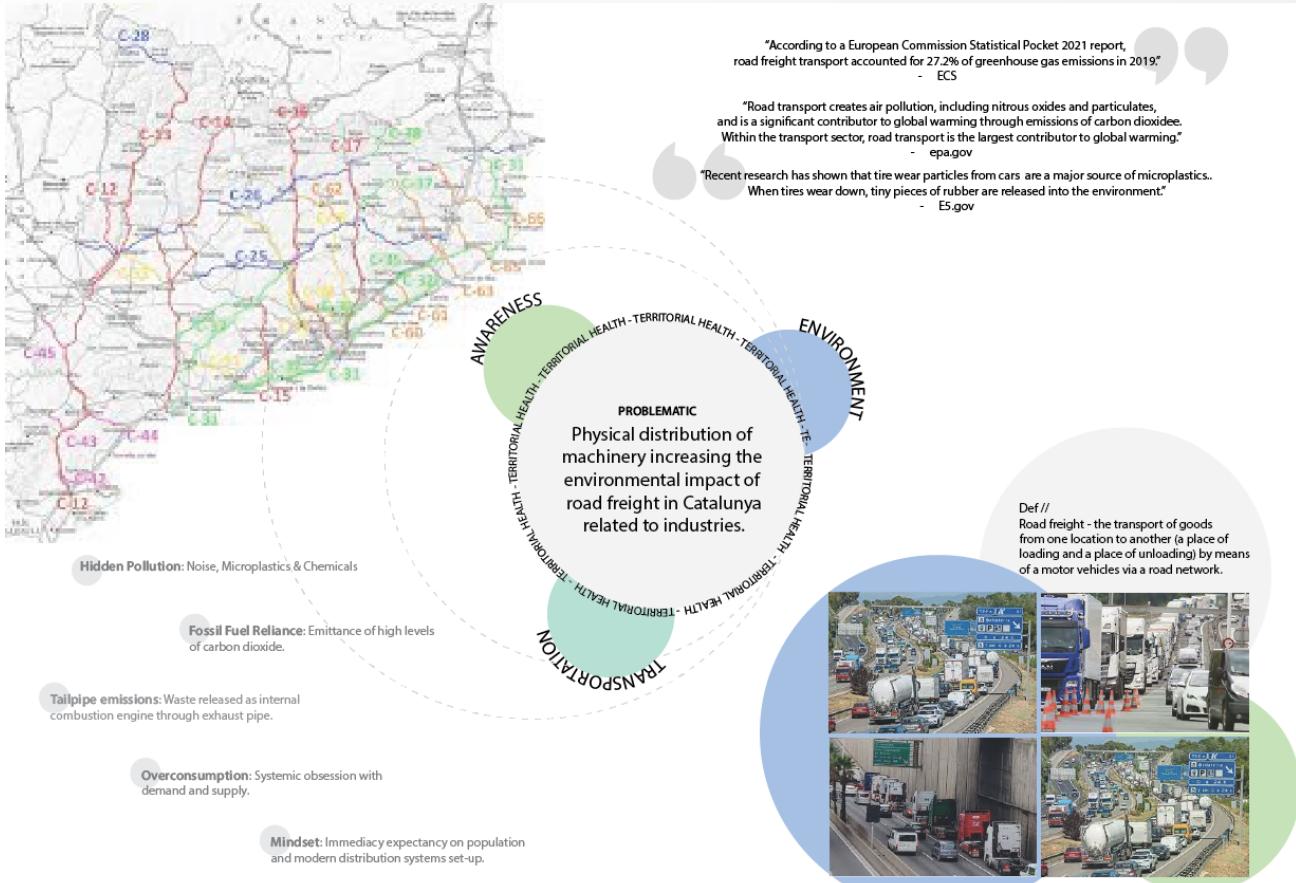


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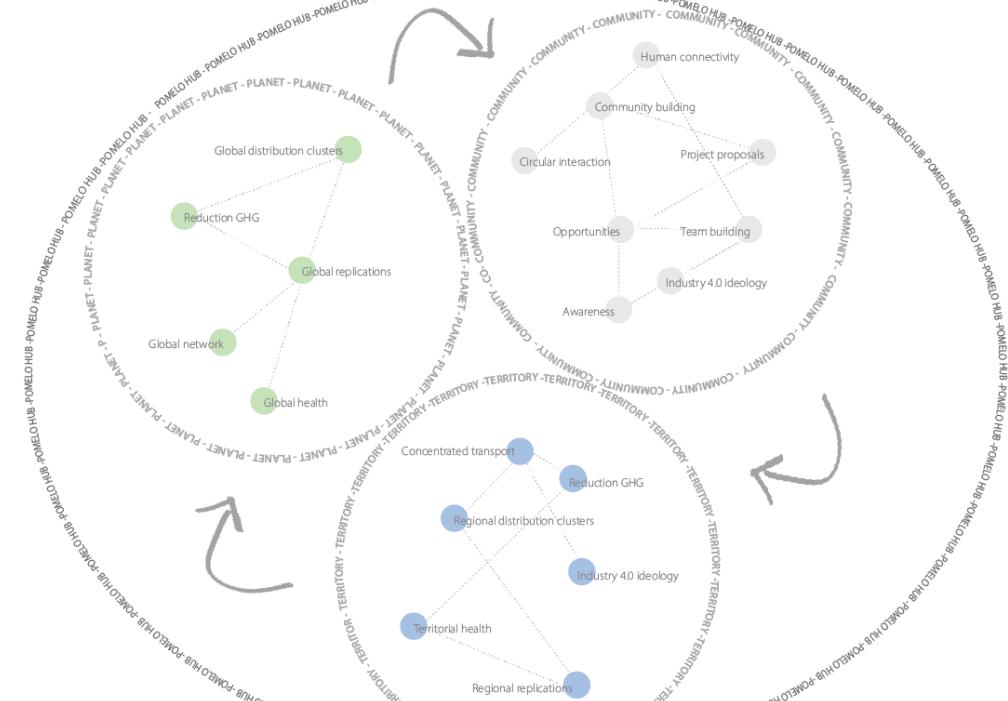


Road Freight On Earth Viewed From Space - AI Generated Image

1. Analysis of the local-global topic and context



2. Development: Technologies, Interventions & Experiments



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Question Discussion Article

What's your question? Photo/Video File Poll Ask Anonymously The maximum supported file size for this upload is 500MB.

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Question Digital Printing

Anonymous Has anyone experienced dampers failing in primarily one color? We've seen about 10 dampers fail/break over the past... since they were initially installed.

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Most Reputable Users

Article • Digital Printing • Maintenance • Missing Nozzle • Nozzle

ANTONIO ALVAREZ - Technical Manager - Digital Printing Division

Good Practices for Nozzle Plate Maintenance [PART 2]

In this second part, as we previously indicated, we will try to give the best tips to try to maintain the state of the "Coating Layer" as best as possible.

The first and most important advice is to minimize as much as possible any contact with the nozzle plate. Even cleaning tools or EMCOT M-1 wiper reproduce micro grating in the "Coating Layer". We will not find any material that does not cause any damage at the microscopic level since the mere fact of touching the surface already implies a dragging of a possible particle of dirt on the surface causing a micro grating.

To avoid that, the recommendations we make are as follows:

- If the nozzle doesn't recover with an automatic cleaning, let's try not to resort to manual cleaning with a BECMOT M-1 wiper or a cleaning swab. FIRST we must use the manual "Vacuum Cleaning Equipment" repeatedly if necessary and if even so, the missing nozzle does not disappear, then we must replace the printhead and clean it with the PCLT Cleaning Equipment.
- If we detect dry ink in the area of the nozzles, it means that the nozzle of ink are clogged when cleaning. In this case, we must clean the nozzle plate and then clean the nozzles in UV light are dry/clean. This can happen because of the turbulence itself generated by the passage of the substrate and the configuration of the transport vacuum system, printing height, etc. The countermeasure to be applied in this case is a daily maintenance task consisting of:
 - Perform an automatic cleaning sequence of all colors (to clean the printheads of ink residues and dirt particles).
 - Manually spray flush on the nozzle plate of the printheads.
 - Finally perform another automatic cleaning sequence to remove the flush from the printheads.

If even so, the accumulation of ink is growing then you should contact the ink supplier since it's not considered a normal behavior.

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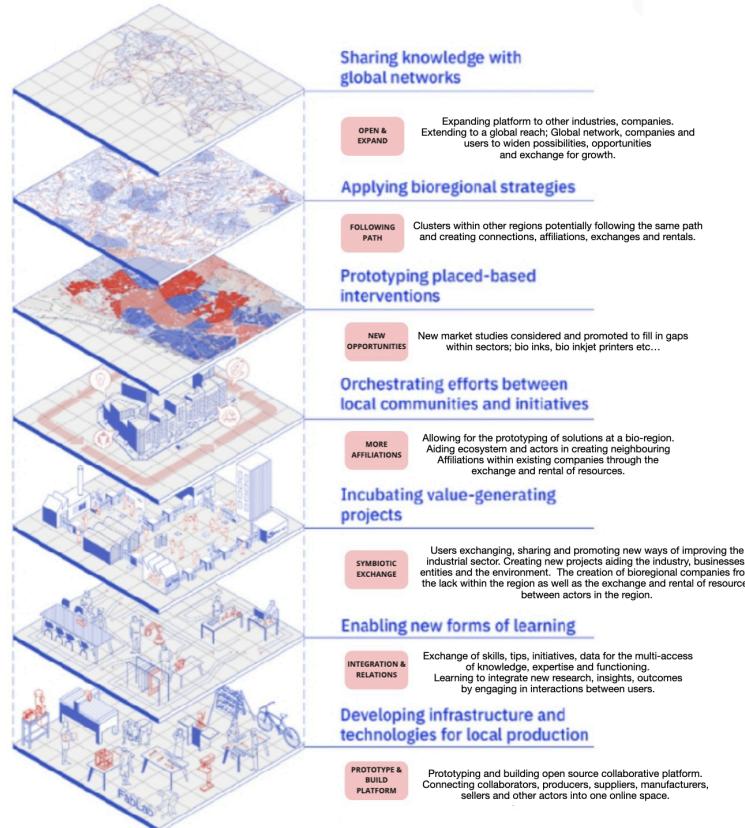
Olivar, Spain Components Sep 10 - Sep 11 €100

Lubiana, France Printhead Maintenance Aug 30 - Sep 4 €200

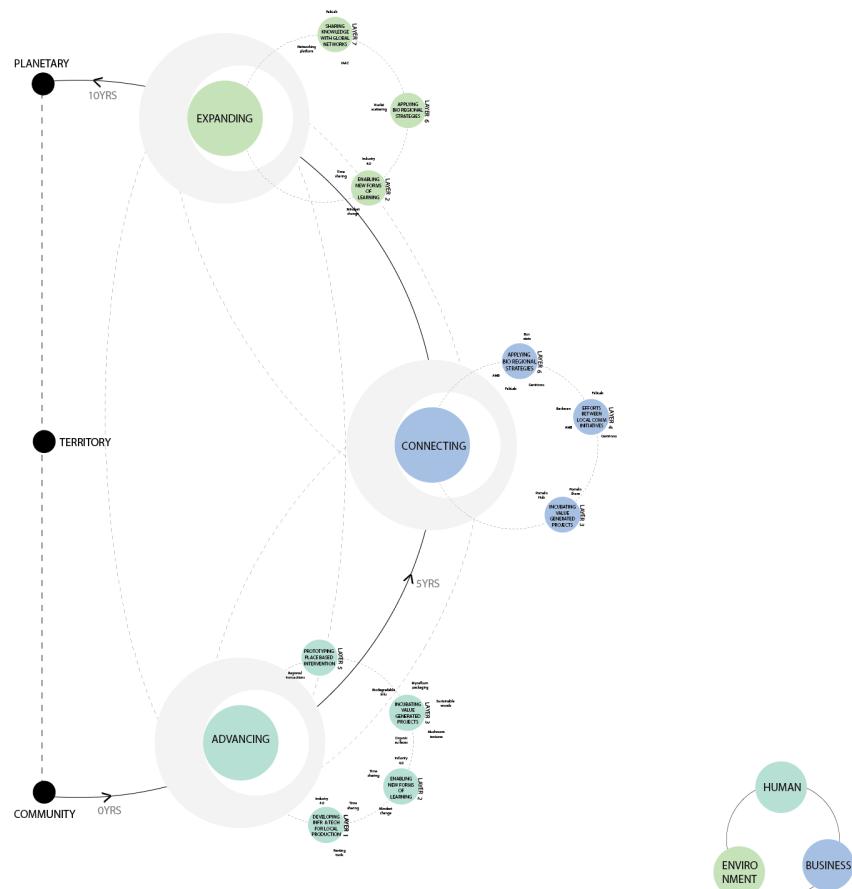
Alicante, Spain Printhead Maintenance Oct 10 - Oct 11 €100

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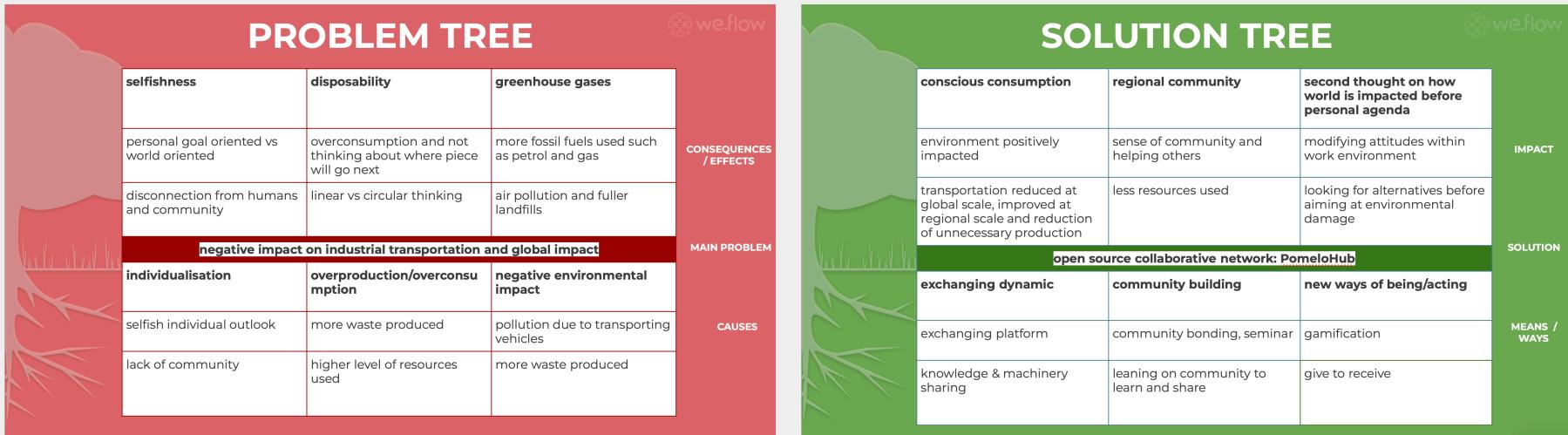
3. Full Stack implementation strategic plan



3. Full Stack implementation strategic plan



Social, economical, and environmental impact



Thank you!



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