

CAVE AS EXPERIMENTAL LAB TO 2050

Policy experiment as a portal to a sustainable transition and political transformation

VISION OF 2050

In 2050 Tytyri caves are open for the public. Tunnels have been opened for permaculture and other alternative underground food production methods. The citizens can join peer-to-peer workshops, as the marketplace promotes sharing of knowledge, skills and goods. The energy needed for all activities is provided by geothermal and micro-grids of solar and wind energy. The harvested dried mushrooms provide vitamin D for the whole Finland.

POLICY EXPERIMENT

The policy experiment transforms the caves into an experimental lab and partly opens up the tunnels for citizens. Cultivating oyster mushrooms would be the first feasible form of food production as they grow well at 90% humidity and at 8-10 °C.

Scan me AND DIVE INTO THE 2050 VISION IN 360°



The policy experiment has 5 phases within two rounds. In the first round, extended reality (XR) is used to create a public space for Lohja's citizens.

Through an easily accessible WebAR facilitator, citizens can draw their own vision for the future of the caves, and comment on others, immersed in rocks, mushrooms and more.

