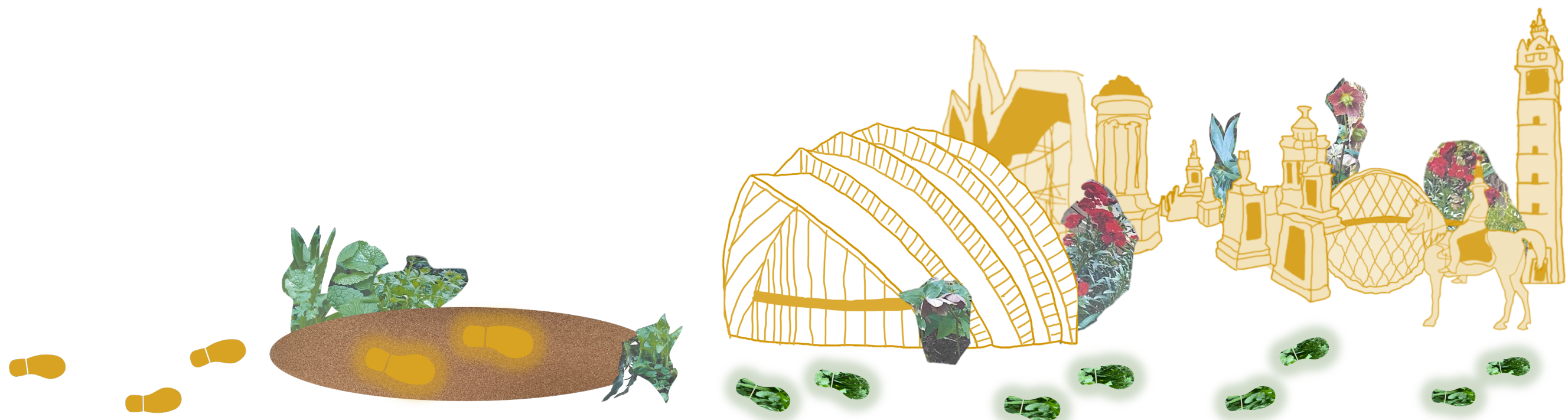


# 2028



Glasgow and all UK city's have been depaved as part of the Governments 'Keep Calm and Depave' campaign. The aim was to repair damaged soil, caused by decades of urbanisation. Excessive paving leaches toxins into soil and traps heat, exacerbating climate warming.

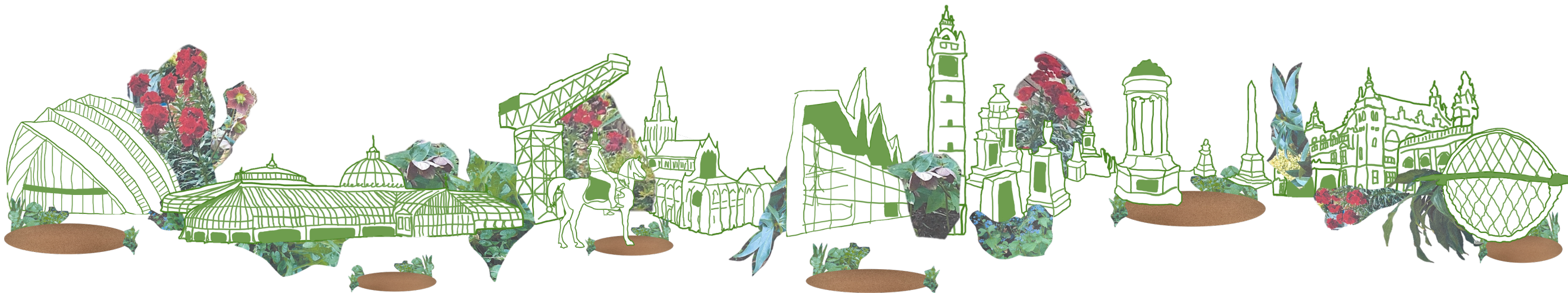
This leaching can reach water supplies and even marine bodies which increases toxicity and reduces biodiversity. Impervious surfaces in cities prevent underground species such as mycelium (the root of the mushroom) and other plants from getting the nutrients they need, increasing the risk of flooding and spread of disease.



# 2031 HEALTH UNDER-GROUND

Made possible by the keep calm and depave initiative, the new Health Under Ground initiative is being trialed in Glasgow. The initiative's aim is to improve soil health in cities and ultimately throughout the rest of the UK.

The HUG pads are made of mushroom and are soaked in nutrients essential for mycelium and biodiversity growth, such as nitrates, magnesium and Sulphur. These nutrients strengthen mycelium networks and help them connect other living organisms in the soil, to which they are then able to share those nutrients. The pads have an absorbent, porous surface that means nutrients are transferred onto passer by's feet as they step on the pads and transferred to the soil as they walk across the depaved streets of Glasgow. This form of passive pollination means Glasgow's residence only need to step outside to be helping Glasgow flourish.



# 2035



Four years since the Health Under Ground initiative launched in Glasgow, the flourishing of different species can be seen throughout the city. The success of the initiative means soil health has been restored in some areas to pre-industrial levels of biodiversity, and there are no longer toxic areas in the soil, even in the city center. Glasgow's natural carbon storage ability has increased from 13% to 49.

This improvement has led to new urban farming initiatives popping up throughout the city, which has caused a decrease in the cost of fresh produce for Glasgow's residence. For COP36, Glasgow has been able to show real change in and around the city. Mycelium is known as a superspecies, it survived the extinction of the dinosaurs and will likely outlive us all. The HUG initiative's aim is to use these superspecies to strengthen biodiversity, rather than inventing something new.