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JUNGLE MEMORY 'concept'

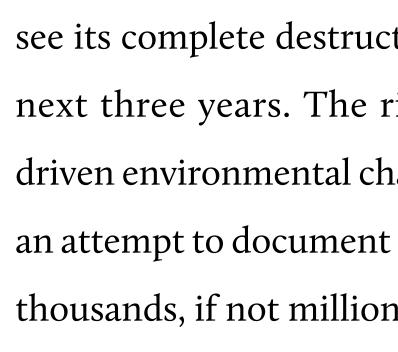
nature' and its interpretation by a neural aesthetic. network algorithm. Due to human inof untouched and ancient forests such as Belarus border, it has the highest

In anticipation of a new work revolving the UNESCO world heritage sites both biodiversity in northern europe with den- see its complete destruction within the around artificial intelligence and deep on the island Vilm and the Bialowieza se populations of wolves, birds and bison next three years. The risks of human learning, the project Jungle Memory re- forest in Poland, there is an attempt to (Kowalczyk, 2013). This forest and others driven environmental change motivates focuses on the concept of 'untouched archive their natural growth and visual such as the Hambach forest in western an attempt to document these forests in germany are at constant risk from the thousands, if not millions, of images. likes of politicians and coal miners who

fluence and subsequent climate change, The Bialowieza forest, for example, is the seek to use their age-old resources for Aside from photo documentation there there is a heightened risk for tree morta- last primeval forest in Europe - unlike profit. The Hambach forest has existed is an attempt to reinterpret traditional lity as a result of increased temperatures, many other forest landscapes it has not since the last Ice Age and is home to en- landscape painting as the 'original' human drought and forest pathogens (Allen et been logged and reforested. Stretching dangered species who exist nowhere else. depiction of nature. With a deep-learning al. 2008). Through the documentation 140,000 hectares over the Poland and Less than one tenth of the original forest algorithm we can explore the extension remains and plans for coal extraction of the 'human gaze onto nature' through



Above: Fly-over view of the border between the Hambach forest in western Germany and the RWE coal mine. Plans to expand the mine will distroy the forest within 3 years.



the use of artificial intelligence. Can there be an honest recreation of 'untouched' nature through a human and/or algorithmic lens? By what means do we measure what is natural?



Right: Traditional landscape painting by Carl Gustav Carus ,Eichen am Meer

Dragonfly & Current Project

The past installation Dragonfly, has explored the use of deep learning algorithms such as google deep dream. A hovering drone films an indoor palm tree while its camera images are transformed by a neural algorithm trained on a vast pictorial database of various animal images like birds, dogs, snakes etc. The resulting images shown on a screen reflect a distorted interpretation of the original palm tree as well as the exhibition visitors. In this setting two separate entities, one recent and technological and one ancient and natural, are put into a contextual dialogue. Frame by frame, a growing loop of artificial hallucinations enfolds on the screen

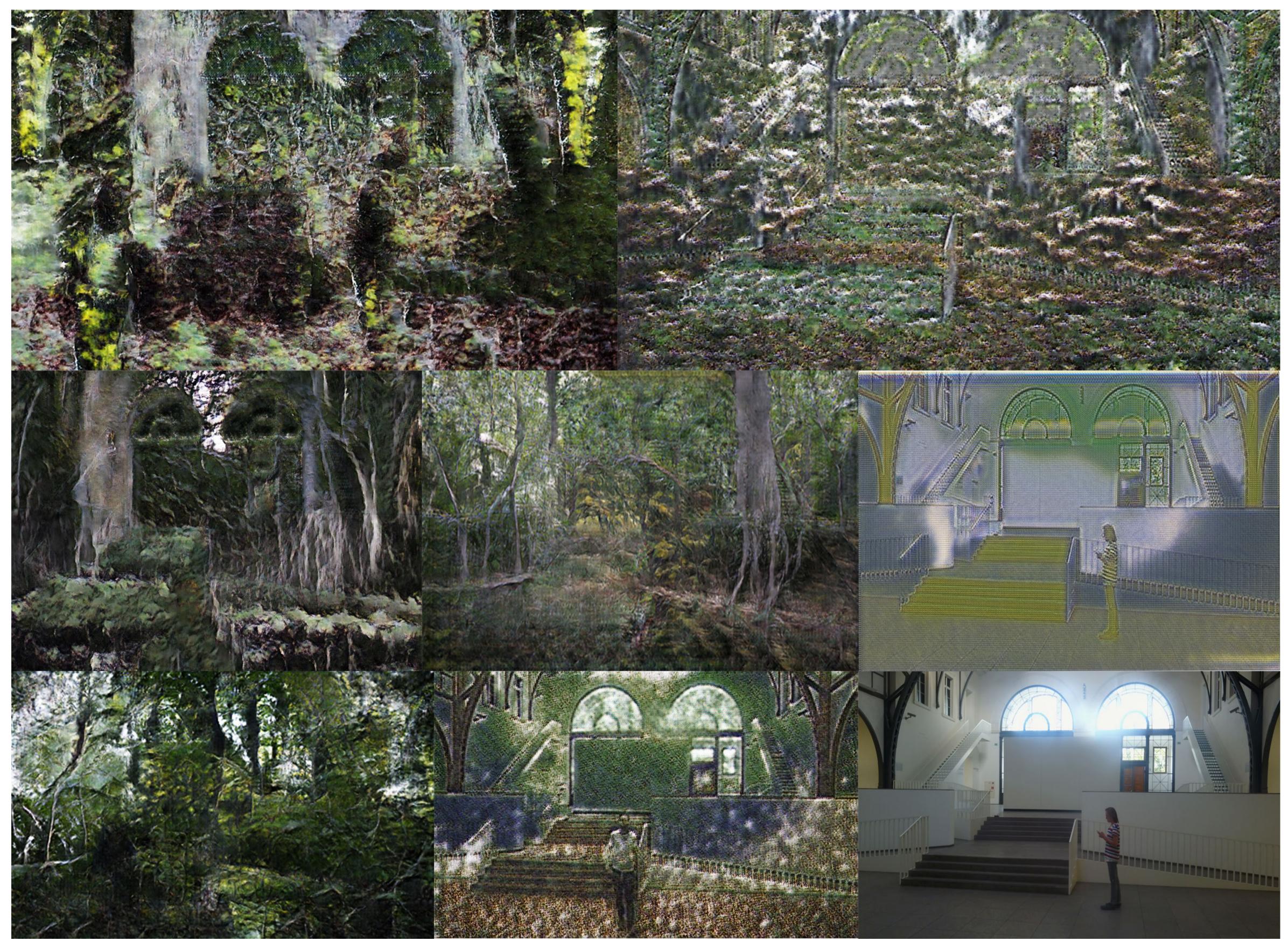


3 images from Tokyo wondersite: video projection of ,Dragonfly' installation - a drone films a palm tree and reinterprets it as bird and dog faces. The video is fed into the algorithm google deep dream.





Photo Archive Collage, Island of Vilm, DE. Photo archeive was recorded in order to train an algorithm.



Beginning attempts of translating an urban landscape into a forested scenery by training an algorithm selectively on images of trees and forests.

The Algorithm:

Similar to Dragonfly which translates an exsisting image into a landscape of animal faces, the new algorithm developed for Jungle Memory is to be fed thousands of forest pictures with an aim to synthese its own original images. By recording pictures of trees and shrubs in this archive and then using them to teach a deep learning algorithm - we can appreicate the way that technology synthesizes nature. Hallucinations of an artificial-romantic experience of

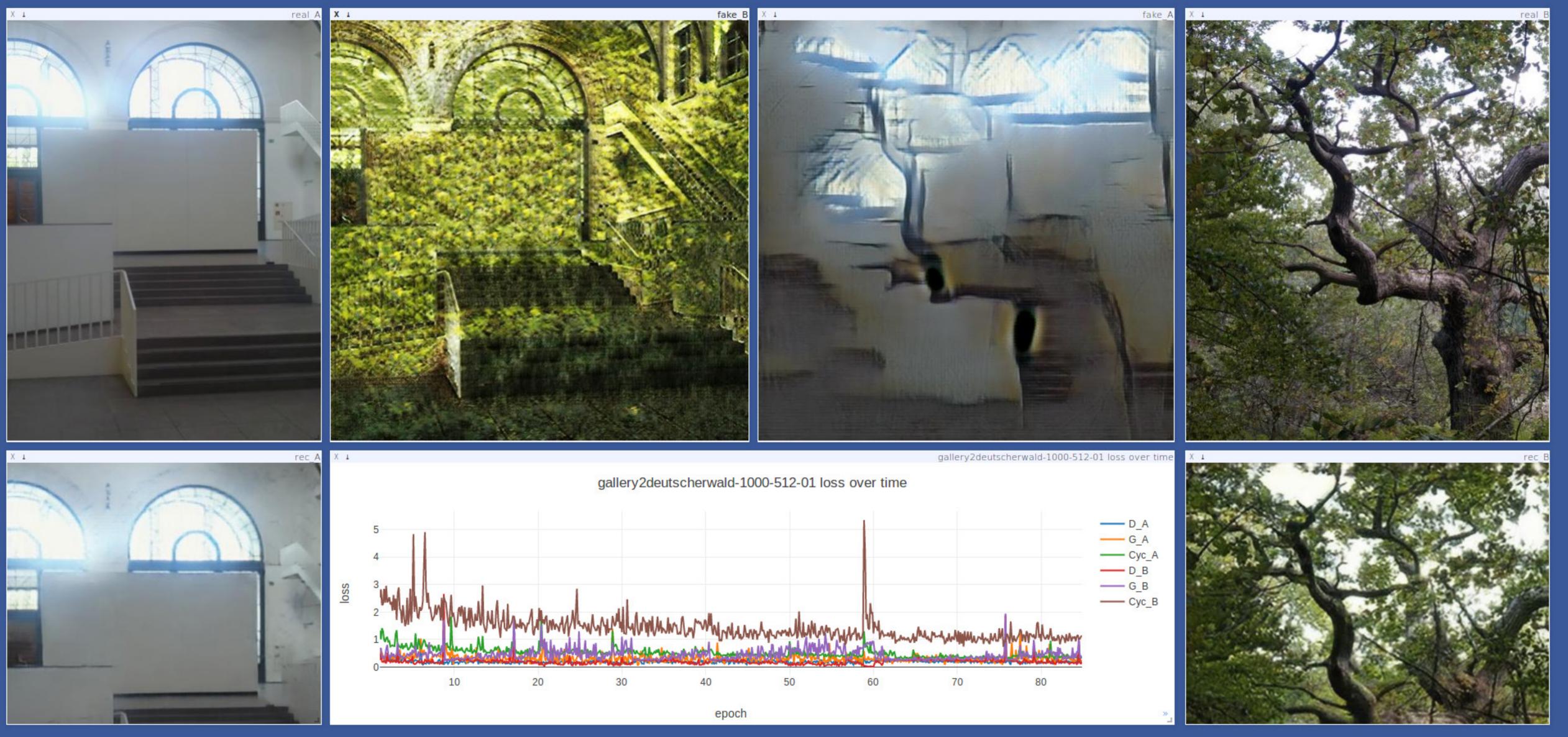


Images: 2 views from the untouched forest on the Island of Vilm, Germany. Included in the forest archive



nature are generated by an intelligent machine instead of a sen being. The continuation of this project depends heavily upon who share an interest in algorithmic coding. We require an exper of deep learning who is excited at the possibility of sharing the expertise. The importance of this project increases with the do of each forest threatened by environmental change and human

ntient human
collaborators
ert in the field
eir ideas and
cumentation
impact.



Trial algorithm which turns an urban building into a forest in steps of learning