Smellscaping: embodying our world through odorific narratives
en collaboration avec Pierre Poirier

According to Clark's Predictive Processing (PP) version of the enactive approach, our perception of smells are predictions determined by the olfactory signal as well as the many other sensory signals present at the same time, predictions that attempt to reduce the overall error signal coming from the sensory stimulations. The environment's olfactory ambiances affect our olfactory memory, which in turn affects three important aspects our mental live: the representations of space and time (or "spatiotemporal representations"), the emotional valence associated with these representations, and our olfactory experience of the world, which we call its "smellscape." The olfactory ambiances that surrounds us plays a central role in our enaction of the spatiotemporal and emotional aspects of our world as well as the enaction of our olfactory experience of our world. To investigate this point, Bouchard developed a method that allowed her to study subjects in the field. We present here this method carried on in 2011, and some preliminary observations from a second study started in 2018 in which individuals with a functional olfactory system are compared with persons with anosmia.

https://www.researchgate.net/publication/326304517_Smellscaping_embodying_our_world_through_odorific_narratives