

# **Atmospheric Environmental Changes in Urban Area due to Reclamation of Sea Surface and Economic Actions of Constructed Artificial Islands**

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Economic development in most big urban of Japan has been processed due to big scale reclamation of sea surface (waterfront) and economic actions in the constructed artificial islands. In Kobe city of Japan, large-scale reclamation has been conducted since 1951 to present time, and the area of artificial island reaches to 27500 ha (27% of DID area in Kobe city). The residential environment in the old urban area has been worsened because the residential area was separated from waterfront, and the industrial factories, harbors and trunk line roads were constructed in artificial islands.

We examined the worsening of atmospheric environment from the changes of climatic condition, decreasing of sea breeze and increasing of clam, etc.. We could find out these phenomena.