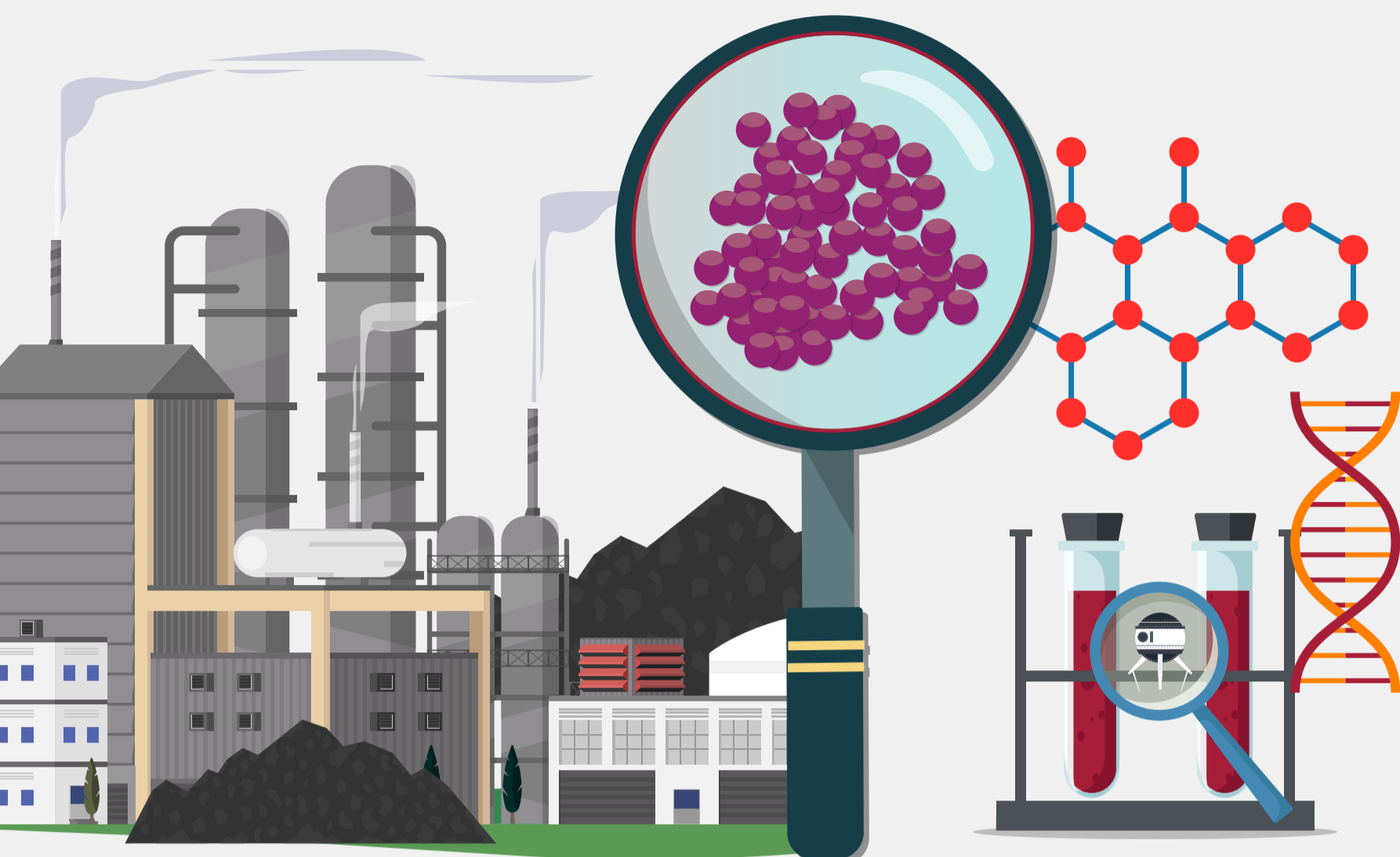


CA²M: A Compact Algorithm to Generate and Measure Nanoscopic Aggregates

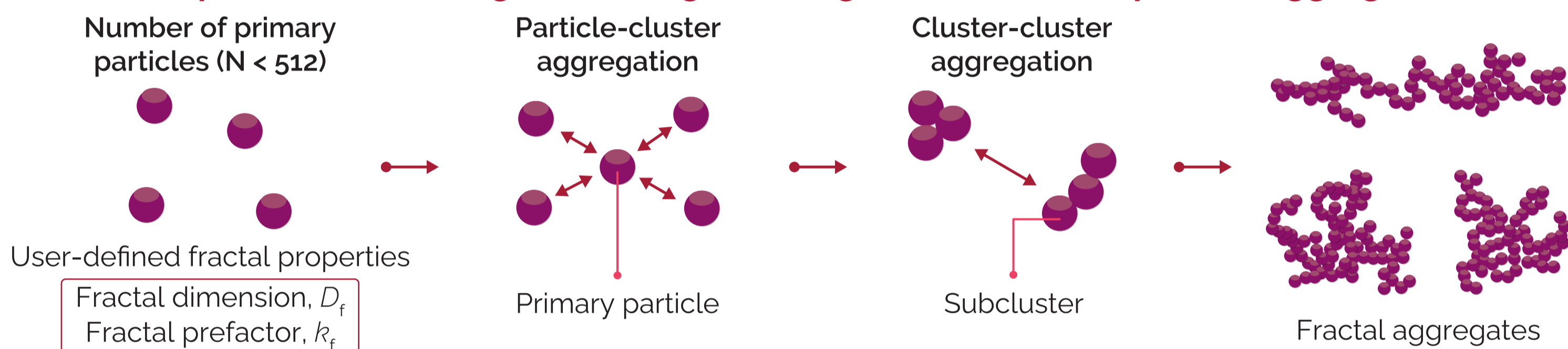
Original Article



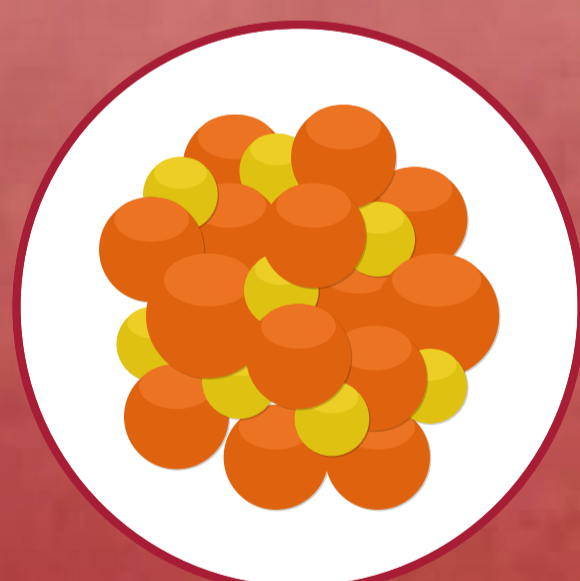
The structure of nanoparticle aggregates and agglomerates formed of solid primary particles is relevant to a variety of fields, including soot formation and engineered nanoparticles

However, a simple and versatile tool for the estimation and comparison of aerosol properties is lacking

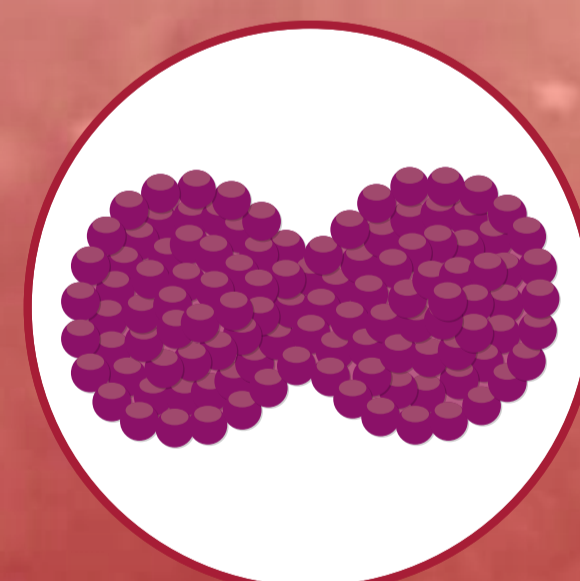
A sequential tunable algorithm for generating fractal-like nanoparticle aggregates



Fast and computationally efficient algorithm



Generates a broad range of aggregate shapes and sizes



Considers non-idealities in aggregate formation

The proposed algorithm can help generate and measure fractal-like aggregates for a wide range of morphologies at reasonable computational costs

Download the model at <https://github.com/cjourdain03/CA2M.git>