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Effect analysis of changes in travel behavior: Real world case studies with a large- scale micro-simulation
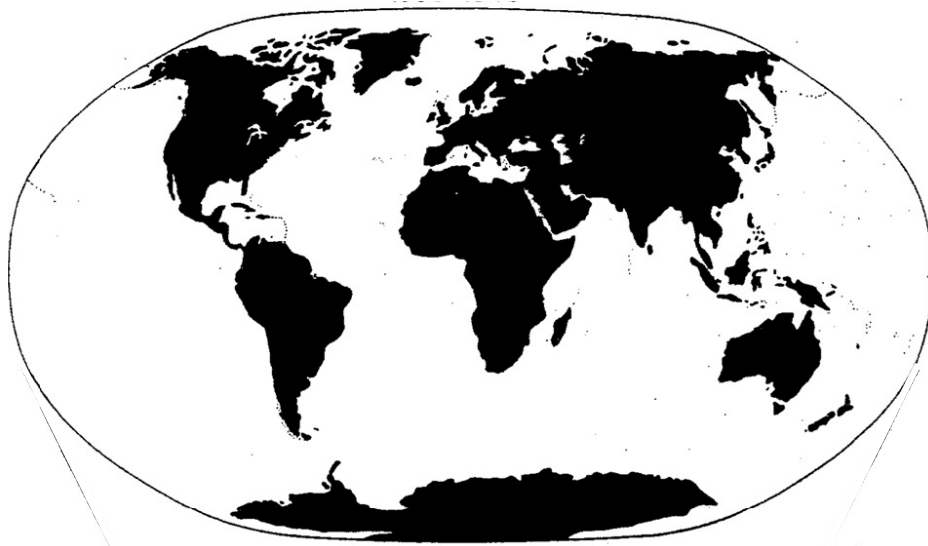
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Impact of shrinking generalised costs since 1840

Carriage and sail 1840

Steam and rail, 1840 - 1930

Planes, 1930-1950

Jets, since 1950

Accessibility

$$E_i = \sum_j E_{ij} = \sum_j^{c_{ij} \leq \max c_{ij}} A_j * f(c_{ij})$$

mit

E_i:	Accessibility of location i (Potential)
c_{ij} :	Generalised costs between locations i and j
A_j:	Number of opportunities in location j
β:	Distance weight, e.g.

$$f(c_{ij}) = e^{-\beta\, c_{ij}}$$

Computation times