Long-Distance Dispersal of Plants by Vehicles as a Driver of Plant Invasions

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- seed traps in tunnels in Berlin

- high traffic tunnels

- highest abundance

- seed rain: 635 to 1579 seeds/m2/year

- seed rain a magnitude lower than species-rich grassland

- 50% non-native

- long-distance dispersal (>250m) for more than 32%

- plant assemblage mix of many species from large surrounding area (>5km)

- motor-vehicle borne long-distant dispersal the rule and not the exception

Motor vehicles as vectors of plant species from road verges in a suburban environment Arnout Zwaenepoela, Pieter Rooversb,?, Martin Hermyb

- Mud analysis from cars in Flanders

- mostly small and light seeds → typical for pioneers

- mud retention time is a significant factor

- mud seasonality (!)

- mean seedlings per car: 1-7