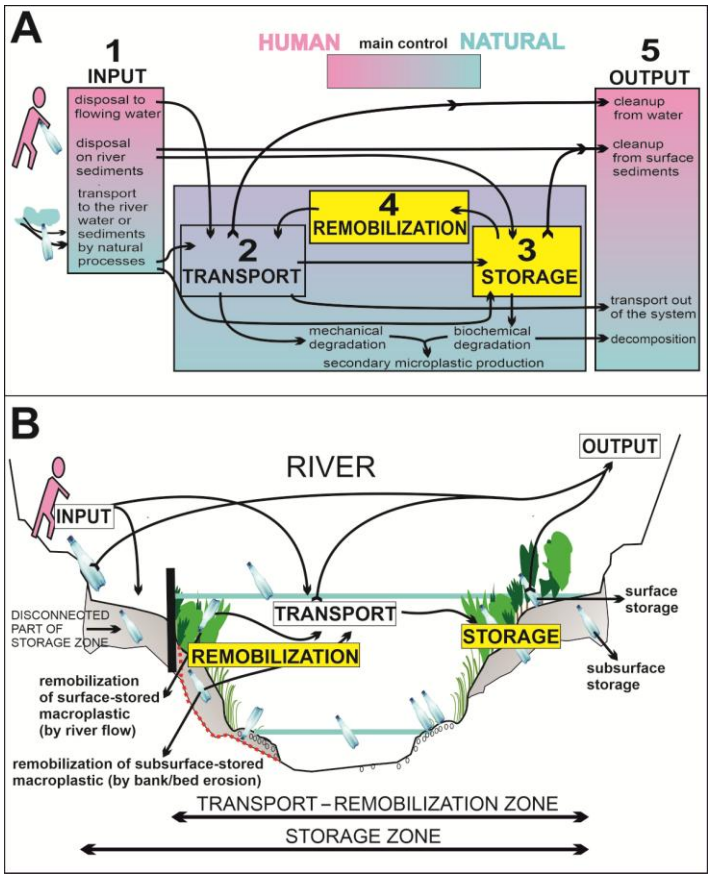


Macroplastic storage and remobilization in rivers

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FACTORS CONTROLLING MACROPLASTIC STORAGE AND REMOBILIZATION IN DIFFERENT UNITS OF FLUVIAL SYSTEM



ANTHROPOGENIC FACTORS

- urbanization (1, 5)
- waste management (1)
- population density (1, 5)
- ecological awareness of population (1, 5)
- road density (1)

SPATIAL UNITS OF FLUVIAL SYSTEM

CATCHMENT

NATURAL FACTORS

- climate (floods, runoff, wind)(1, 5)
- drainage area (1, 5)
- relief (1)
- land cover (1)

LANDSCAPE UNIT

- valley topography (width, morphology) (3)
- hydrometeorological regime (1, 2, 5)

RIVER SEGMENT

- floodplain management (2, 3, 4)
- flood embankments (3)

- river corridor topography (width, morphology) (3)
- flow regime (2)

RIVER REACH

- bridges, proximity of roads (1, 3)
- check-dams, gryones (3)
- bank reinforcements (4)

- reach hydrodynamics (2, 3, 4)
- channel and floodplain morphology (2, 3)
- channel planform dynamics (4)
- bank/bed erodibility (4)
- riparian vegetation type (2, 3, 4)
- wood debris presence (2, 3)

For more details see our recent [paper](#)

Thank you for watching

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