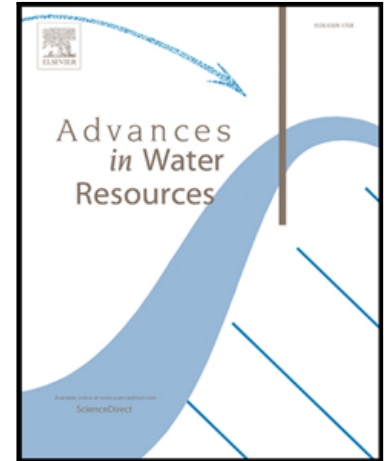


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Residual flow patterns and morphological changes along a macro- and meso-tidal coastline

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Highlights

- Hydrodynamic and morphology of the SE England coastline are investigated using numerical models
- The morphology of the system evolves toward dynamic equilibrium with low residual transport
- Residual eddies develop in regions characterized by the presence of sand bars
- Morphological evolution at a century scale leads to enhancement of sand bars features
- During spring tide residual currents are magnified, and change direction with respect neap tide

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