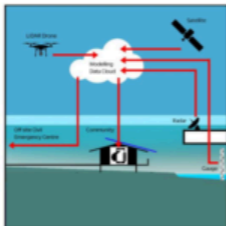


Migrating Community: Risk



The migrating community settling along the River Avon in the future will be subject to **scheduled retreat**.

In order to identify the thresholds for relocation data from satellites, LIDAR drones, rain radar, and tide/gauge information will be constantly fed into a hydrologic model. This **hydrologic model** will be **aligned with** both the **seismic** and the **BIM models** to produce a reliable **ongoing risk assessment**.

The modelling data will be accessible via **smartphone**. Together with relevant information in case of an emergency the smart community will have an **interactive tool** for risk assessment and collective/individual solution finding.



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Migrating Community: Features



The migrating community showcases **environmental awareness**.

The passive standard houses are **off grid**, sourcing power from sun, wind, and river. **Energy storage** with batteries in each house and in the electric cars help to manage supply smartly.

Car sharing/pooling supports the joint transport transition.

Community kitchen gardening strengthens the **social resilience**.

The **stilt houses** are accessed via **elevated boardwalks** to both protect the tidal marshland and to provide secure egress.

All features are **easily relocatable**.



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