Centre of Excellence (Products)
April 2023

This paper is an overview products (tools/ data/ work) which England's Economic Heartland (EEH) has developed or will be developing in support of the Centres of Excellence. The products have been organised by the themes identified as priority areas of focus by our local authority partners.

- o Evidence
- o Planning for net zero
- o Peer review
- o Strategic narrative
- o Investment Pipeline
- o Delivery planning (including project management and consultation)

Area of support	Product (tool/work)	Details
Evidence	GIS visualisation and transport planning tool (Cadence)	New GIS tool hosted by EEH that can support local level transport planning. It includes local transport models, energy demand & mobility data (CREDs) and public transport data.
	Mobile network data (Cadence)	Mobile network data to LSOA level, allowing Local Transport Authorities (LTA) to understand hyper-local movement by time, mode and demographic
	Places of Strategic Importance	Data compendium related to places in the EEH region. Data is presented at an LSOA level such as GVA, population etc.
	Persona data (First Mile Last Mile tool)	Tool to identify market potential of first mile last mile options based on place, persona and accessibility data.
	Region-wide land use model	Ready built land use/transport model. Current outputs available for specific regional corridors but further model runs could be delivered for LTAs (expected c£3000 per run)
	Annual data bank refresh	Circa 50 national datasets put into a regional context for LTAs, including annual collection of housing and employment sites in Local Plans in the EEH region.
	Rail Action Plan	Targeted advice on priorities for each rail line passing through EEH, providing a focus for LTAs.
	Freight Action Plan	A plan to support LTAs to enable safe and efficient movement of freight, including mode shift and ultra-low emission modes.
	Connectivity studies	Multi-modal corridor based on a suite of evidence, identifying priority interventions in different locations.

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	Bus Strategy	Data capturing highest flows of movements cross boundary - identifying high potential locations for public transport
	Propensity/ability to WFH	Understanding the impacts of WFH patterns in the region on network capacity release (based on hyper local employment types)
	Active Travel Strategy	Baselining of active travel data across the EEH region
Planning for net zero	EEH LA Carbon Baseline (1)	National data sets of tailpipe emissions broken down to regional and LTA level - by journey purpose/mode/trip length
	EEH LA Carbon Baseline (2)	A "bottom up" tool developed for EEH/TE/TfSE to respond to QCR LTA baseline requirement
	LTP policy scenario testing tool	Bringing together the carbon baseline tools, the decarbonisation policy playbook and TfN's clean mobility visions into an online tool to test the impact of potential LTP interventions on LTA carbon trajectories and the transport network.
	Electric Vehicle Charge Point Tool	Tool to help local authorities plan electric vehicle charging infrastructure, including baseline data, electric vehicle uptake scenarios and a forecast of likely charge point requirements.
	Freight Alternative Fuel Planning Tool	Supporting LTAs to identify future demand for alternative fuelling locations for HGVs.
	Mobility Hubs Business Case Guidance	Practical guidance and advice in developing business cases for mobility hubs (consistent with 'Green Book' and DfT TAG)
	Mobility Hubs - tool	Data based tool to help LTAs to identify potential mobility hubs locations
	Bus Back Better Support Packages	11 packages (webinars, advice notes, evidence support) to support the delivery of BSIPs and Enhanced Partnerships. Topics include: fares and ticketing, data analysis, monitoring and evaluation, low cost and quick wins, building a strong case for bus investment, bus infrastructure guidance, DRT, rural hubs and integration, funding mechanisms, marketing, alternative/low emission fuels and collaborative working and bus forums.
	Future of mobility report	Understanding the future of mobility ecosystem in the EEH region and how innovation can be harnessed to improve the region's transport system.
	NISMOD: Pathways to Decarbonisation	Quantifying the potential impacts of a number of possible future scenarios on the region's transport and energy system
	Smart Junction enabled corridor work	Outlining the benefits of connected smart junctions at a strategic scale
Peer review	Capacity and Capability Peer Review	Peer review of major scheme proposals, supporting improved business case development from the earliest stages.

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	Capacity and capability Forum	Sharing of best practice in the development of major schemes. Identifying opportunity for streamlined and shared working.
	Skills	A regional action plan for transport planning skills, providing an approach to addressing recruitment, retention and capacity issues in LTA transport teams.
	Regional Bus Forum	Sharing of bus best practice and ideas
	Active Travel Forum	Sharing of active travel best practice and data
	Innovation Hub	Supporting innovation projects across the region and sharing transferable advice and best practice. Revolving funding pot to support innovation bids (UKRI bid development).
	LTP Forum	Sharing of best practice and support - regional voice to DfT
Strategic narrative	Connectivity studies	Strategic narrative developed at corridor level – based on key economic and movement corridors across the region
	Policy intelligence	Briefing LTA partners to ensure decision making, strategic narratives and business cases reflect government priorities
	Economic narratives	Using the EEH evidence base to develop complementary economic narratives to support key corridors, including East West Rail, Felixstowe to Nuneaton and the connectivity studies
	Heartland in Context	Strategic narrative setting out, economic, demographic and social data for the region.
Investment Pipeline	Pipeline methodology	Development of an investment pipeline methodology for the region including a Multi Criteria Assessment Framework that will be relevant for LTA investment pipelines.
	LTA Investment Priorities – evidence base	EEH now has the evidence base to support LTAs to identify strategic investment priorities for every mode of transport, captured through: connectivity studies, Oxford to Cambridge Road Study, rail investment priorities (and passenger rail study), active travel strategy, regional bus study and freight action plan.
	Alternative futures	Alternative futures developed for the region to help understand resilience of future interventions and support 'uncertainty planning'
	Business Case Development	Supporting business case development for regional priorities, and LTA priorities through the Capacity and Capability project.
	Land Value Capture	Advice on Land Value Capture funding models, including opportunities for its application
Delivery planning	Project planning and delivery	Tools to improve project planning and delivery, particularly focused on LTP sequencing of tasks and delivery.

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