



LIVERPOOL  
CITY REGION

# Liverpool City Region

- 724 km<sup>2</sup>, 1 492 181 inhabitants, 2 061 inhabitants/km<sup>2</sup>
- Governance
  - NUTS 2 area in wider North West England region
  - Six municipalities of Liverpool, Sefton, Knowsley, St Helens, Wirral and Halton
  - Local Enterprise Partnership (LEP) – formal configuration of public and business leaders
  - New (2014) Combined Authority, merging certain functions of municipalities
  - Major devolution planned
- Economy
  - 37 000 enterprises, including many international businesses, worth €32bn
  - Key sectors: advanced manufacturing, life sciences, financial and professional services, maritime and logistics, the visitor economy and renewable energy
  - Major maritime tradition, excellent connectivity
  - Three universities
- LCR economy challenges
  - GVA per capita: 25% shortfall (cf. national)
  - Economic competitiveness: €11bn output gap
  - Economic activity: deficit of 18 500 businesses
  - Employment: deficit of 46 200 employees
  - Skills base: deficit of 82,000 individuals holding diploma-level qualification; a further 32 600 have no qualifications
  - Job creation: need for 90 000 additional jobs.

# LCR strategies and climate adaptation

Strategy	Geography	Summary	CA dimension
Green Infrastructure Plan	North West England, with specific chapter on LCR	How the region can best harness nature for climate adaptation and mitigation, regeneration and other benefits.	An analysis, notably through maps of the potential of the different parts of the region for offering GI climate-adaptation services. LCR has some of the region's greatest GI potential. Superseded by Liverpool and Warrington GI Framework.
Shoreline Management Plan	Coast from north Wales to Scottish border, with detailed annexes on LCR	Decides where to hold the line, advance the line, or move the coastline landward or seaward, take no intervention.	Some of these decisions are influenced by climate change effects, such as sea-level rise.
Mayoral Commission on Environmental Sustainability	Liverpool City mainly but with some focus on wider LCR	Independent expert review of what is required to support Liverpool as a sustainable city	Has climate-adaptation relevant sections on green spaces, green corridors and secure infrastructure.

# LCR strategies and climate adaptation

Strategy	Geography	Summary	CA dimension
Flood Protection Plans	Municipality	Aims to ensure better protection from flooding, manage water more sustainably, improve public services and secure water resources during periods of drought	Flooding risk is affected by climate change
Sustainable Energy Action Plan	LCR	To coordinate our energy-sector ambitions, advance projects and bring a greater resilience to our energy networks	Mostly focused on LCR's considerable renewables generation potential, as such more focused on mitigation than adaptation
Resources Merseyside	LCR	Delivering sustainable waste and resource management	More focused on mitigation than adaptation: reducing the climate-change/carbon impacts of waste management; supporting resource efficiency

# LCR strengths

- Green infrastructure
  - As one of the two major conurbations and one of the major flood plains in NW England, LCR has high concentration of GI climate-adaptation services
  - Managing high temperatures, water supply, riverine flooding, coastal flooding, surface water, soil erosion, species adaptation, visitor pressure
  - Appendices to NW England GI plan give LCR-specific mapping and analysis
  - Separate LCR GI strategy just launched
- Collaboration on clean energy in buildings
  - Robust partnership working between housing providers, local authorities and other actors around EE and RES in buildings
  - Mainly social housing but some SMEs and offices

# LCR weaknesses

- Governance and strategic
  - No specific strategy for LCR on climate adaptation
  - Governance changes mean existing strategies and work not always at optimal geographic level
  - Would like to learn from other cities on how they managed governance change in relation to climate adaptation
- Achieving behavioural change
  - Economic and social profile of LCR brings challenges
  - Little attempt to achieve behavioural change through financial penalties, poor enforcement of existing schemes
  - Would like to move to this model – how did the other cities achieve this?
- Resource efficiency in local businesses
  - No strategy to help LCR businesses become more resource efficient
  - Often more about building businesses' knowledge and encouraging them to change their behaviour, rather than investing in expensive new technology
  - SME managers particularly hard to reach