

# Annex A – EEFM method data and capabilities

## Model overview

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- The East of England Forecasting Model was originally designed as a standalone forecasting system to guide EEDA on 'baseline' (or 'business as usual') economic forecasts with their associated demographic and housing implications; and to allow EEDA to generate alternative scenarios showing what the economic outlook might look like if there was something significantly different in the region (for example, measuring the impact of a new policy initiative)
- The Model is very large, providing over 7,000 economic, demographic and housing indicators for the East of England and its constituent local authorities, each of which are linked to others in the model (see the model linkages slide to show the main relationships within the model). These forecasts will not necessarily be consistent with adopted policies (eg, housing targets) unless the scenario being tested is defined on that basis.
- The Model provides a link between housing and the economy. It has undergone several improvements and updates since its inception – for example, to address the complexity of household formation trends at a time of economic and migration change.



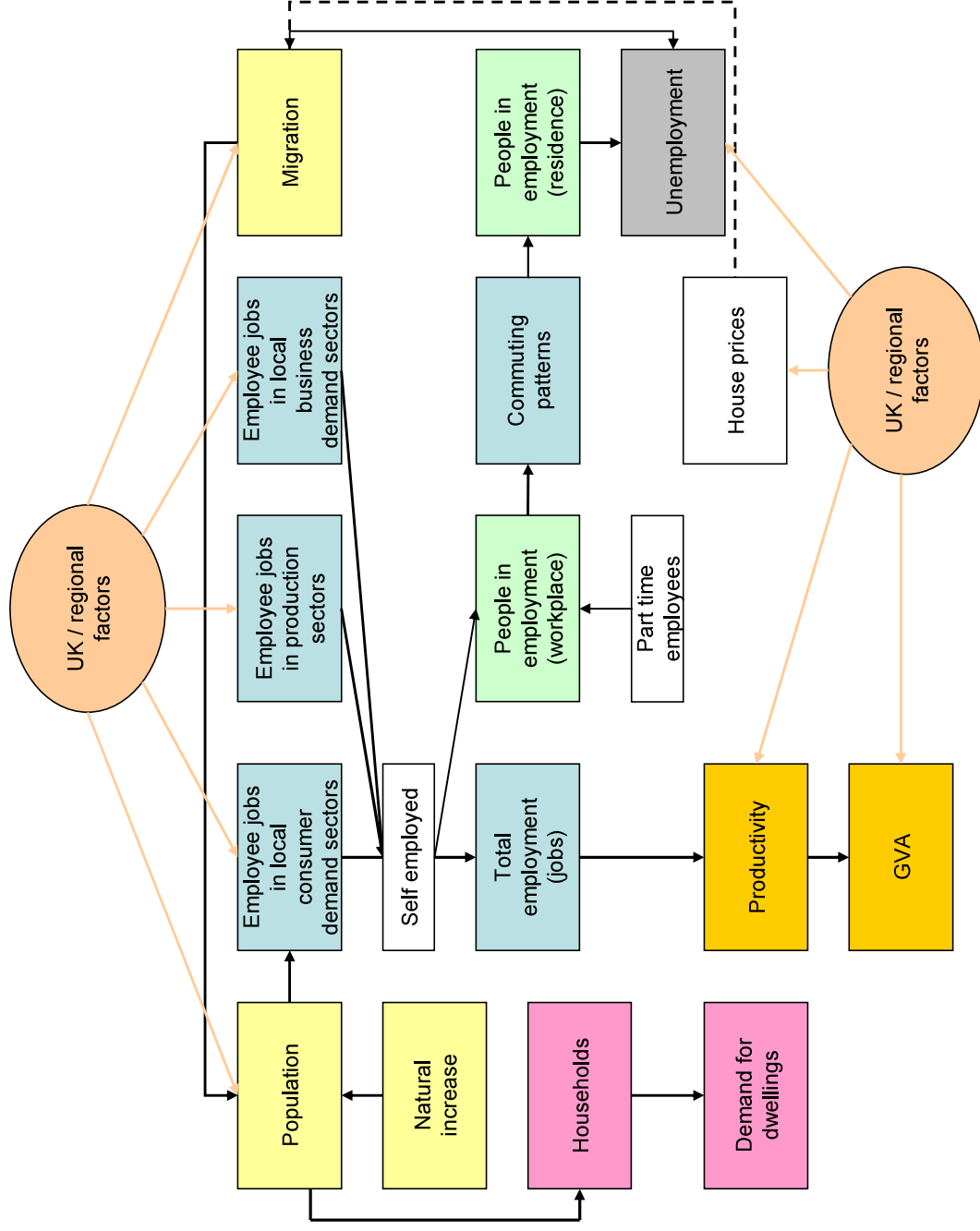
# Purposes and aims of the EEFM

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- The EEFM is designed to provide:
  - A consistent evidence base for the region, for use in strategies and policy development and for testing spatial linkages in economic, demographic and housing trends;
  - A set of 'baseline' or 'business as usual' forecasts for the region prepared by Oxford Economics;
  - A means of generating scenarios (alternative future trends);
  - A mechanism to raise awareness of new or overlooked issues and linkages which might impinge on the success of regional or local policies and strategies;
  - An information resource collating a wide range of data in a central location and in a consistent manner.



# Model linkages



# Data coverage

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- There is a technical report published alongside the main EEFM results on the Insight East website which contains a technical discussion of the methods used in the EEFM. Below is a brief summary of the data included in the EEFM:
- **Demography:**
  - Population – total, children, working age and elderly
  - Migration
  - Natural increase
- **Labour market:**
  - Employment by 28 sectors (total number of jobs – i.e. full time, part time and self employed jobs, workplace based)
  - Total people employed (workplace based)
  - Total people employed (residence based)
  - Resident employment rate
  - Unemployment (claimant count, level and rate)
  - Commuting
- **Output:**
  - GVA and productivity
- **Housing:**
  - Dwelling stock
  - Households
- **Environment:**
  - CO2 emissions



# Annex B – Key data sources and links

# Data sources

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- Much of the data shown in this report comes from the East of England Forecasting Model which in itself comes from a wide range of data sources including the Office for National Statistics (ONS) and Department for Communities and Local Government (CLG).
- Below is a list of the key data and sources where applicable
- **Employee jobs:**
  - Regional employee jobs from the ONS Workforce Jobs series but cannot be downloaded online. This dataset is sent my email to Oxford Economics by the ONS
  - Local employee jobs from the Annual Business Inquiry (ABI). Can be downloaded from Nomis ([www.nomisweb.com](http://www.nomisweb.com)) however only users with Chancellor of the Exchequer's notice can access the data. The Chancellor of the Exchequer's notice is a legal document purchased by Oxford Economics which allows them to access potentially disclosive data from the ABI.
- **Self employment:**
  - Mostly estimated but done using regional data from the Labour Force Survey (LFS) which is sent to Oxford via email, local employee jobs data (from the ABI) and Census data which is downloadable from Nomis ([www.nomisweb.com](http://www.nomisweb.com)) or the ONS (<http://www.ons.gov.uk/census/index.html>)
- **Resident based employment**
  - Regional and local data available from the Annual Population Survey (APS) which is a 4 quarter average of LFS data. Can be downloaded from nomis ([www.nomisweb.com](http://www.nomisweb.com))



# Data sources cont'd

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- **Unemployment:**
  - Claimant unemployed available for download from Nomis ([www.nomisweb.com](http://www.nomisweb.com))
- **Population:**
  - Population data used in the EEFM comes from the ONS mid-year estimates. This data is available for download from the main ONS website, however it is also available on Nomis ([www.nomisweb.com](http://www.nomisweb.com))
  - All components of change data (migration, natural increase) is available from the supporting information for local authorities mid-year population estimates tables (<http://www.statistics.gov.uk/STATBASE/Product.asp?vlnk=14060>)
- **Official population projections:**
  - Latest projections are 2008 based. UK projections are available from the ONS (<http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=8519>)
  - Sub-national projections including the East and Suffolk Coastal are also available from the ONS (<http://www.statistics.gov.uk/statbase/Product.asp?vlnk=997>)
- **Gross Value Added (GVA):**
  - National data published by the ONS in its Quarterly National Accounts (<http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=818&Pos=&ColRank=1&Rank=422>)
  - or the Blue Book which is a set of annual National Accounts and can also be downloaded from the ONS (<http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=1143&Pos=&ColRank=1&Rank=272>)
  - Regional and more localised data is published in UK Regional Accounts from the ONS (<http://www.statistics.gov.uk/statbase/Product.asp?vlnk=14650>)





## Data sources cont'd

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- **Dwelling Stock:**
  - Download from the Housing Strategy Statistical Appendix from the Department for Communities and Local Government, DCLG (<http://www.communities.gov.uk/housing/housingresearch/housingstatistics/housingstatisticsby/localauthority/housing/dataforms/hssa/>)
- **Official household projections:**
  - Official household projections used in the Autumn EEFM are 2006 based and can be downloaded from DCLG (note that 2008 based projections were published on 26<sup>th</sup> November and after the data cut-off point for the EEFM) (<http://www.communities.gov.uk/housing/housingresearch/housingstatistics/housingstatisticsby/householdestimates/livatables-households/>)
- **ALL OF THE DATA AND FORECASTS PRESENTED IN THIS REPORT CAN BE DOWNLOADED IN ONE SINGLE SPREADSHEET FROM THE INSIGHT EAST WEBSITE WHICH HOSTS THE EAST OF ENGLAND FORECASTING MODEL REPORTS WHERE MORE DETAIL ON DATA SOURCES, CAVEATS AND METHODOLOGY CAN BE FOUND IN THE TECHNICAL REPORT**  
<http://insighteast.org.uk/viewArticle.aspx?id=17083>

