



# Sustainability? A housing & community perspective

Dr Nessa Winston
School of Social Policy, Social Work & Social Justice, UCD

## Overview

- What is sustainability re: Irish (urban) housing & communities?
  - *Many dimensions*, but focus here:
    - Residential density
    - Built-forms
    - Public and active transport
  - Rationale for selection:
    - well-being, social inclusion, equity
    - but also have natural environment & climate change dimensions (not really discussed here)
- How is Ireland doing?

### 1. What is Sustainable housing/community in Irish context?

- a) Residential density
- Resisting urban sprawl
- Brown > green-field
  - NB: blue & green
- Mixed use
- Good public transport (time)
  - Renewable energy

Malmo







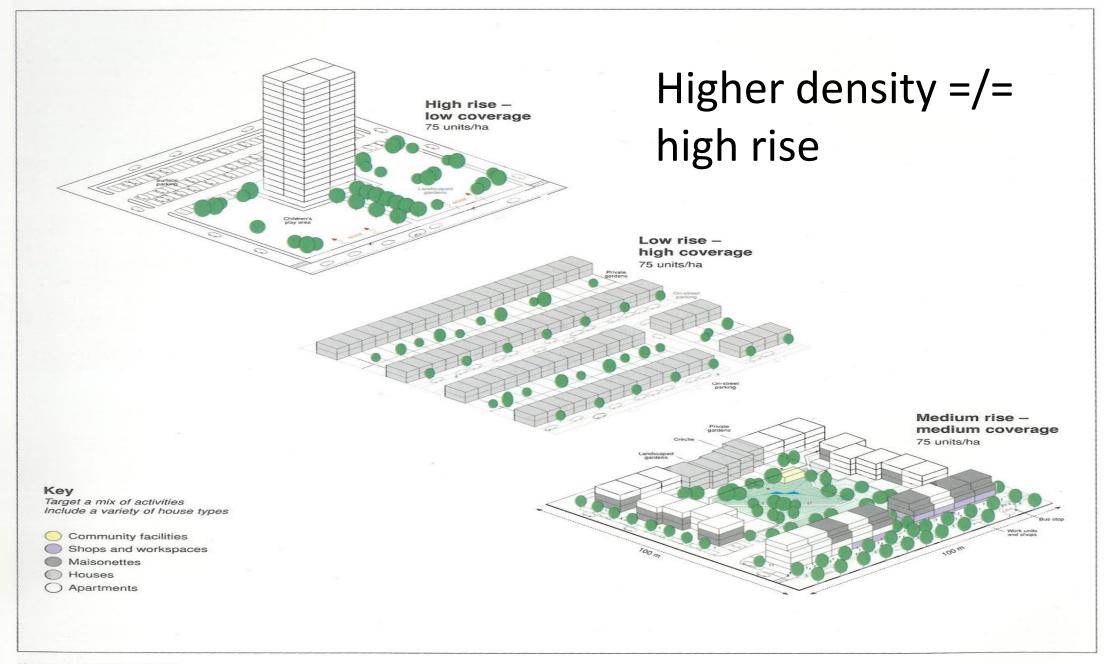
# b) Higher residential density & built-forms

- Why?
  - Land & energy efficiency
  - Supports mixed use & sustainability of services
  - Most journeys active / public transport

### Bath, England



Figure 2.6: Relationship between density and urban form



# b) Higher density built-forms ctd

Life-time adaptable, flexible housing & communities

Accessibility: all ages & stages





### Flexible Housing

- main floor as self contained "accessible" unit for elders/disabled or office
- upper floor can be converted into a two bedroom unit
- ground oriented main living areas
- space zoning living areas to the south, beds, storage,
   carports to north







STUROMOR







# b) Higher density built-forms (ctd)

- Requires high quality housing
  - Dwelling: light, noise etc
  - But aspects of neighbourhood quality higher correlation with quality of life (Winston)
    - Crime, safety
    - Pollution (air, water, noise...)
    - Green/blue space (Scott et al)
      - leisure, food, local energy, waste, pond, river...

# b) Higher density built-forms (ctd)

- Require affordability & social mix
  - Ensure viability of local services, trades & skills
  - Avoids social wave syndrome (Barton, 2000)
    - almost all initial residents @ same family stage
    - uneven demand for services
      - creches, schools...nursing homes

# b) Higher density built-forms ctd

- Require social resources
  - –Community services & centres
    - Meetings, parties
    - Libraries
    - Leisure resources
      - Children, teenagers, older people
  - -Community development, networks & social capital

# c) Transport

- Good quality, frequent, accessible public transport reduces
  - car use
  - car dependence
  - social exclusion (move or eat?)
  - 'obesenogenic environments'

### c) Transport ctd

- Facilitate walking & cycling (e.g. 'Home zones')
  - •Significantly reduce motorized vehicles
  - •force them to drive slower
  - Alter streets
    - benches, play areas, green space
  - •Community quality of life, health benefits

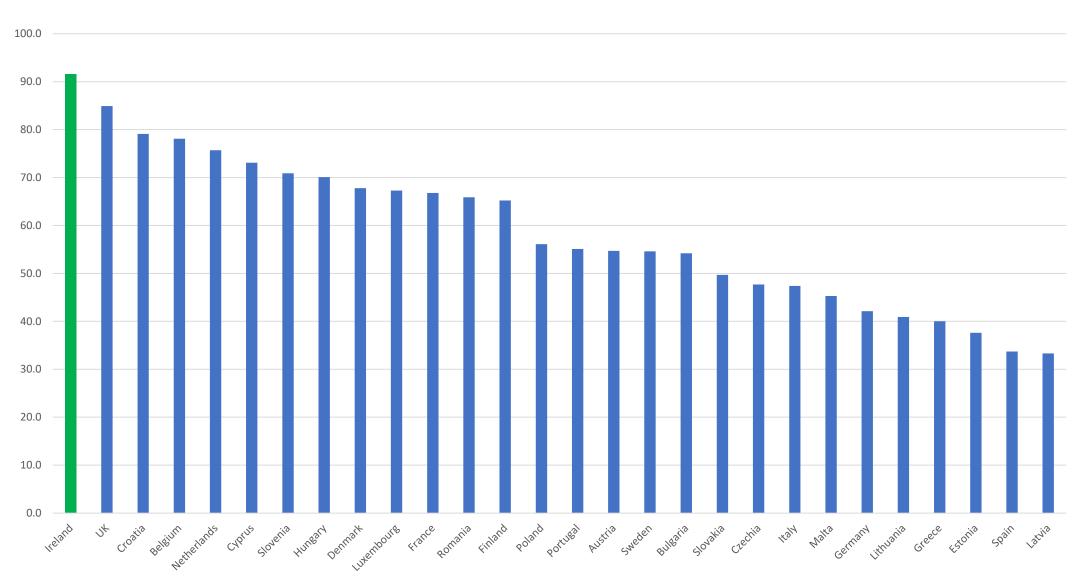




# 2. How is Ireland doing?

- a) Urban sprawl & built form
  - Sprawl common trend EU but *Ireland extreme case (Budovic et al; Williams & Redmond)*
  - One-off housing, open countryside: rising again, Ireland extreme case (Brady)
    - Some 'returners' but some escaping urban problems (Scott et al, Winston)
      - Affordability
      - Poor quality of urban life
  - Ireland outlier in EU in favouring 'houses' (urban & rural)

### % living in houses (detached/semi-detached), 2017, EU-SiLC

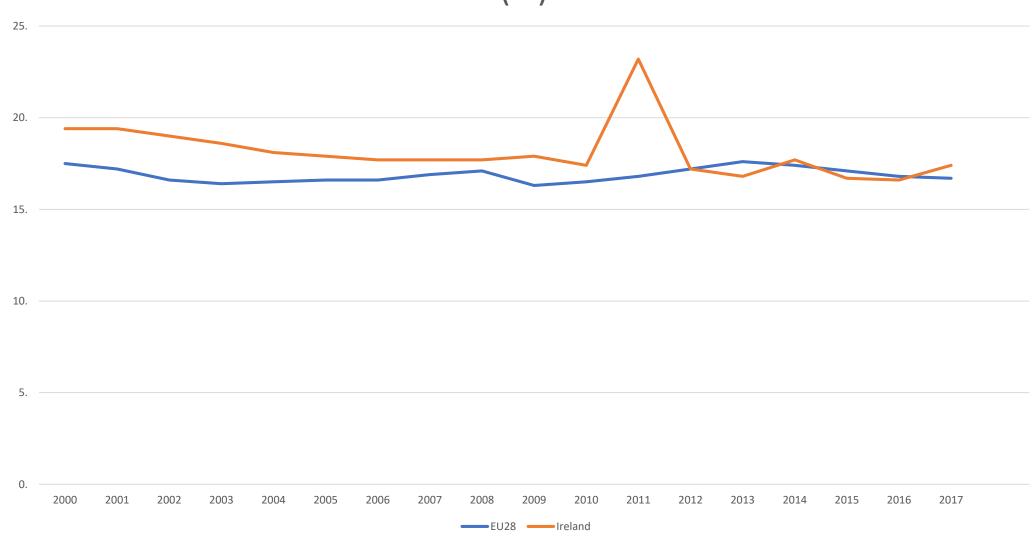


# How is Ireland doing (ctd)?

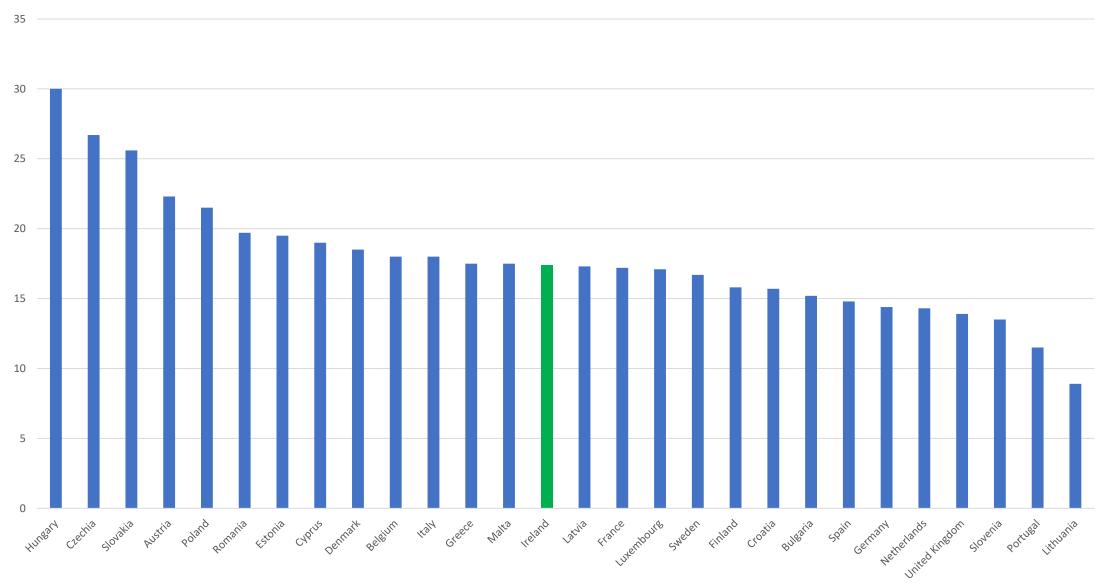
### 2. Transport

- Car dependence & social exclusion
  - Urban (Wickham)
    - Dublin v other cities
    - GDA but also Dublin
    - Move or eat (Drew, Winston & Koeppe)
  - Rural
- Transport inequities & Dublin suburbs (Ahern et al)
  - Very long commuting times via public transport
  - Forced car ownership
  - Low- & middle-income groups

# Share of buses & trains in total passenger transport (%)

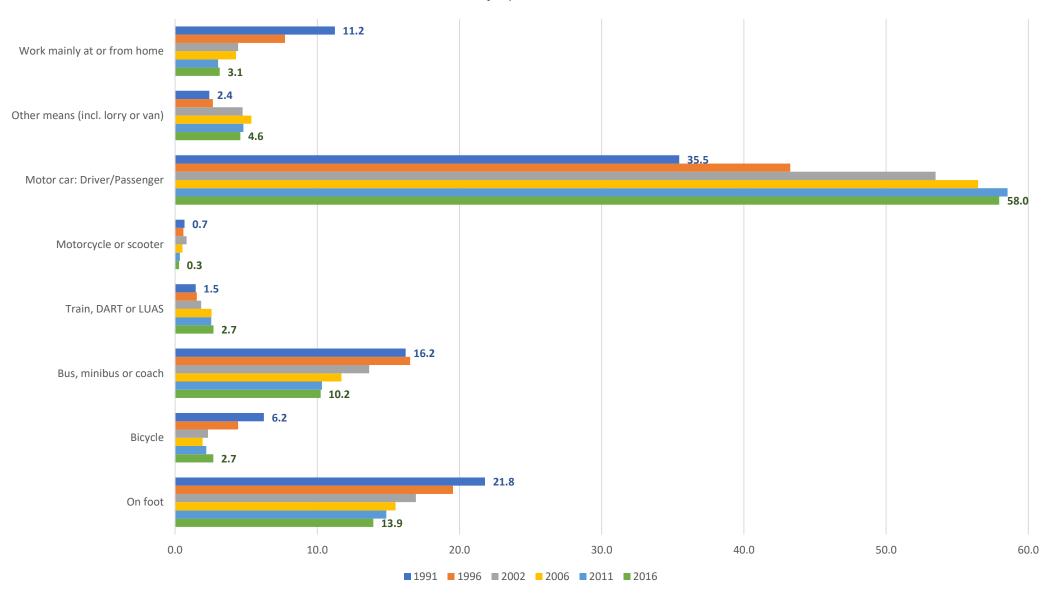


### Share of buses & trains in passenger transport (%), 2017



### Means of Travel (to Work, School or College)

Census of Population 1991-2016



# Towards more sustainable urban communities

- 1. Increase supply via higher density, high quality urban communities
  - Multi-family housing (incl. apartments): higher space standards (Gallent at al; Winston)
  - Alternative tenures (e.g. co-ops): older people, separated/divorced
  - Densify suburbs: *space* for environmental, economic & social infrastructure (Bramley et al)
    - BedZed, London
  - NB: Good quality green & blue space (Scott et al)

# Towards more sustainable communities

### 2. Transport

- Improve proximate, fast, & affordable public transport
- Reduce cars (taxation, speed ...)
- Cost Benefit Analysis: benefits of transport-oriented developments v dispersed settlements (Williams et al)

# Final points: sustainable communities

- Not an end state, evolve over time, responsive to different contexts
- Requires holistic approach
  - Depts: Housing, planning, transport, energy, climate change
- Environment, economic, social trade-offs
  - Long-term thinking essential....costs will be brought down or save elsewhere (e.g. health)
- Long legacy of construction if get it wrong: costs of retrofitting, pushing people out

# Final points ctd

- Explore alternative pathways
  - actors & their connections? goals & values prioritized?
    - different understanding & capacities to present pathways for change...
  - Implications for marginalised households & communities
    - equitable access to services & social resources
    - reducing transport poverty & inequities
    - Reducing leisure poverty/inequities [infrastructure (blue & green space), commuting time, ...]
  - Improve well-being (mental & physical), equity, social inclusion.