

A Historical View of Change

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Imagining2050 Community Engagement Event

Athlone, June 8-9th 2019

Livelihoods

What do you do for a living?

What lifestyle does your livelihood enable?

How might climate change (mitigation or adaptation) affect your livelihood?

Mobility

How did you travel here today?

What criteria did you base your decision on?

How might climate change (mitigation or adaptation) affect your mobility?

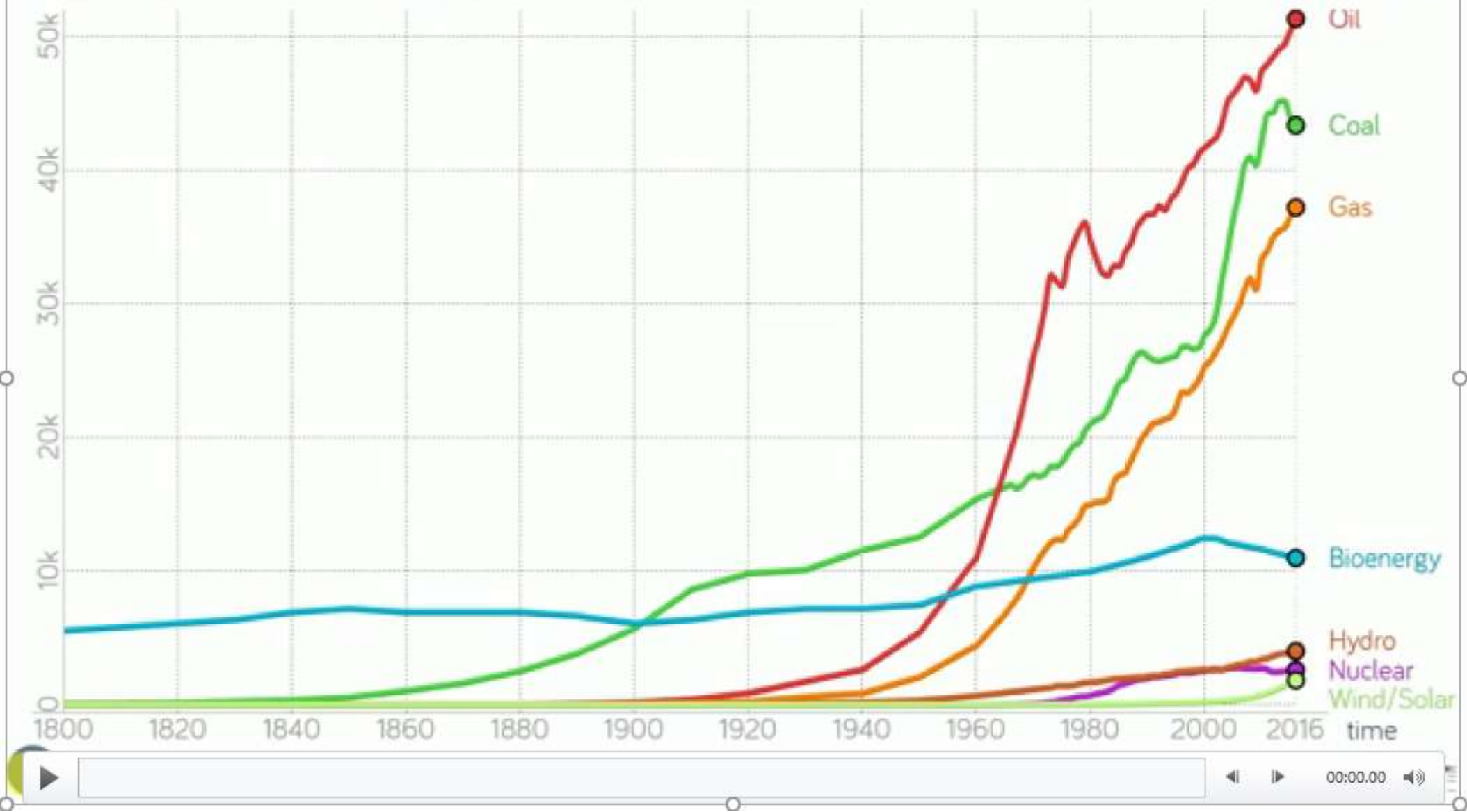
Well-Being

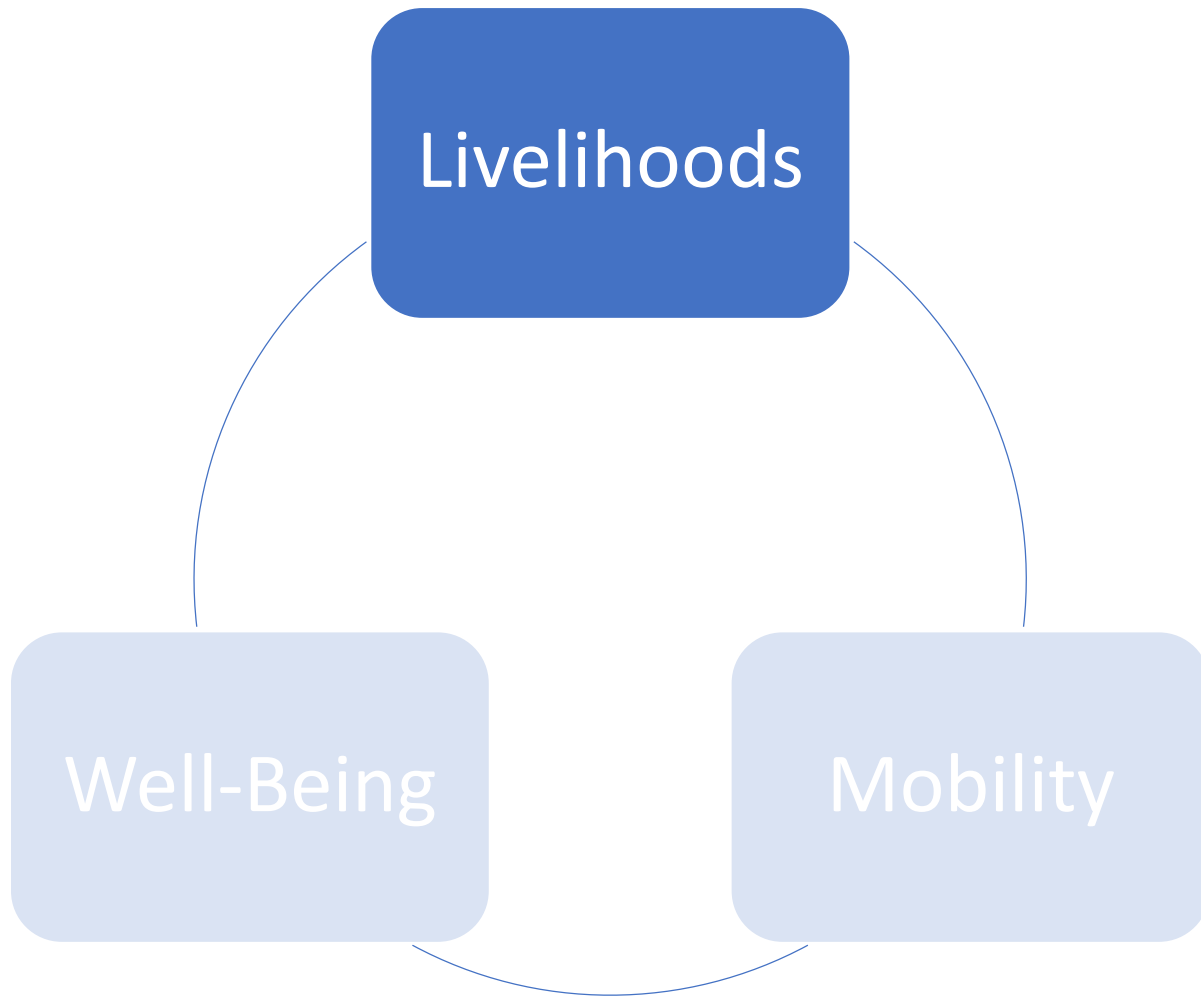
Are you happy with the comfort (i.e. warmth & air quality) in your home & community?

How would you change the comfort in your home?

How might climate change (mitigation or adaptation) affect your well-being?

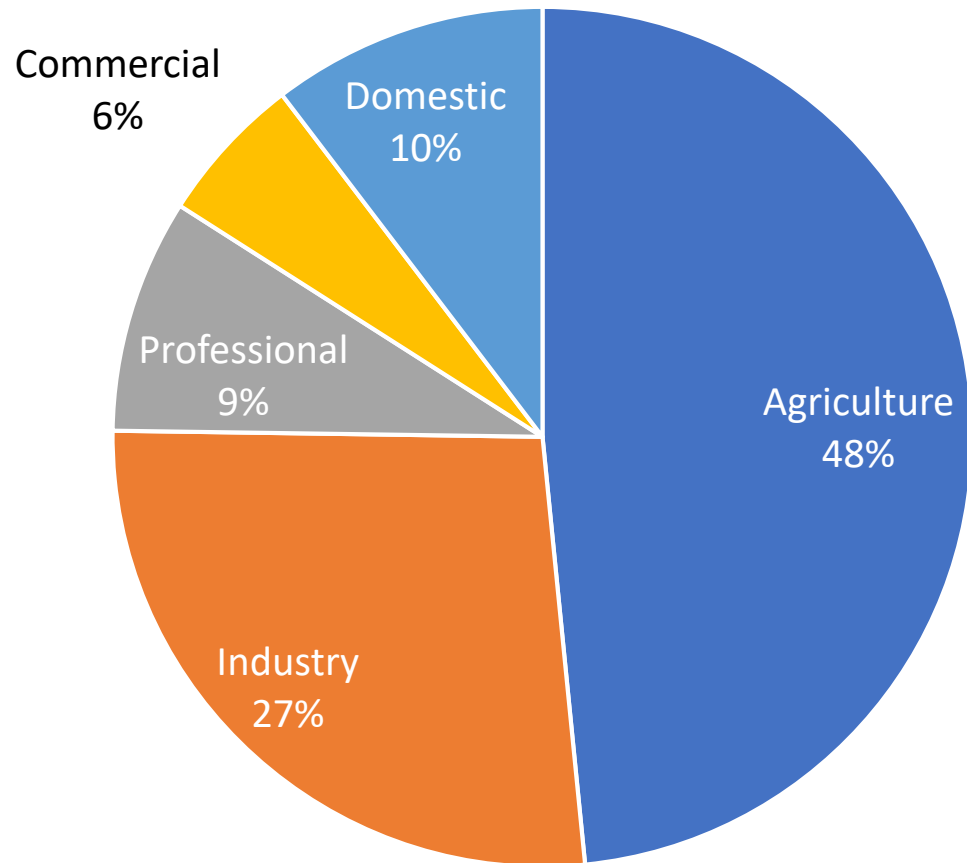
Global Primary Energy Consumption (TWh)





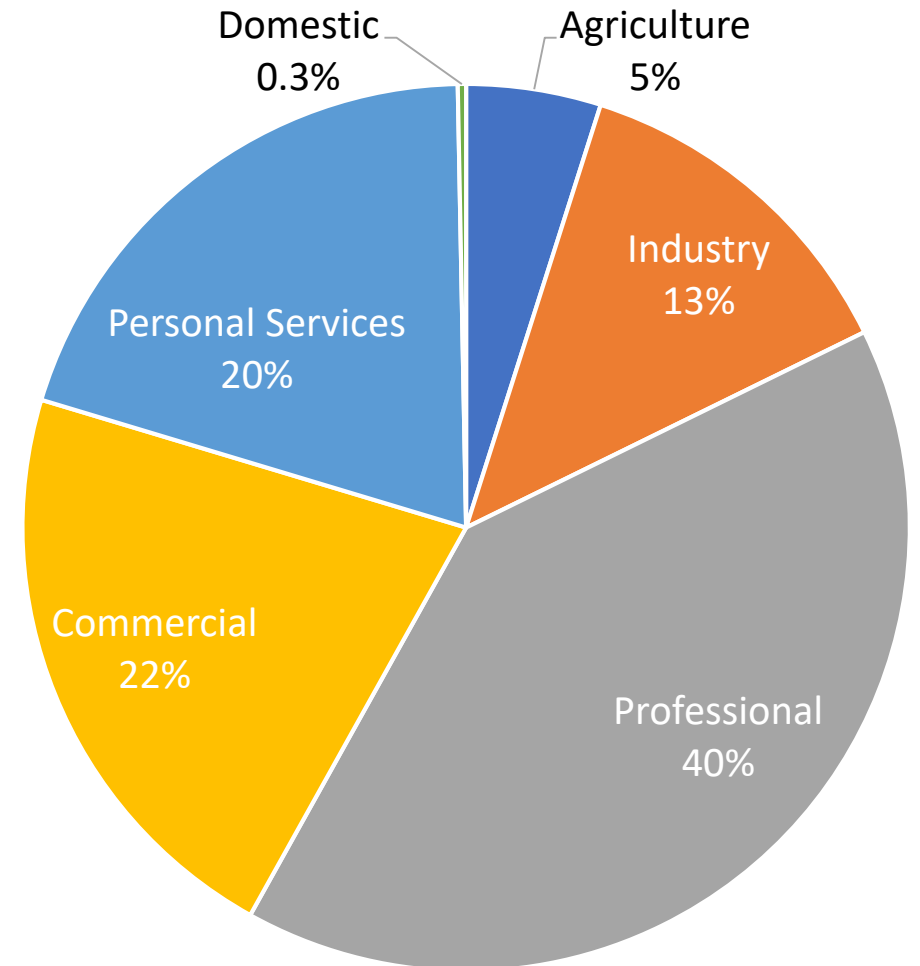
- Where have we come from?
- Where are we now?
- How did we get here?
- Where might we go?

Where have we come from?



Occupations in Ireland in 1911 (source: CSO)

Where are we now?



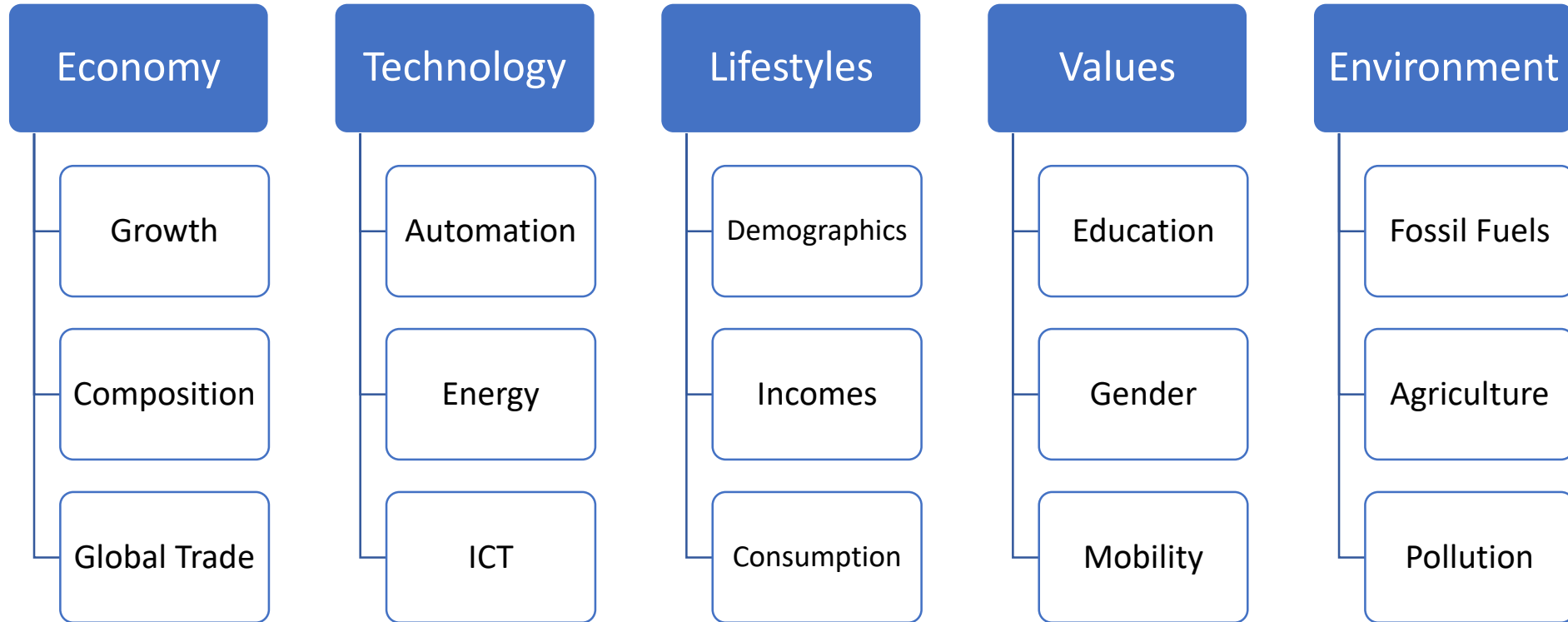
Occupations in Ireland in 2011 (source: CSO)

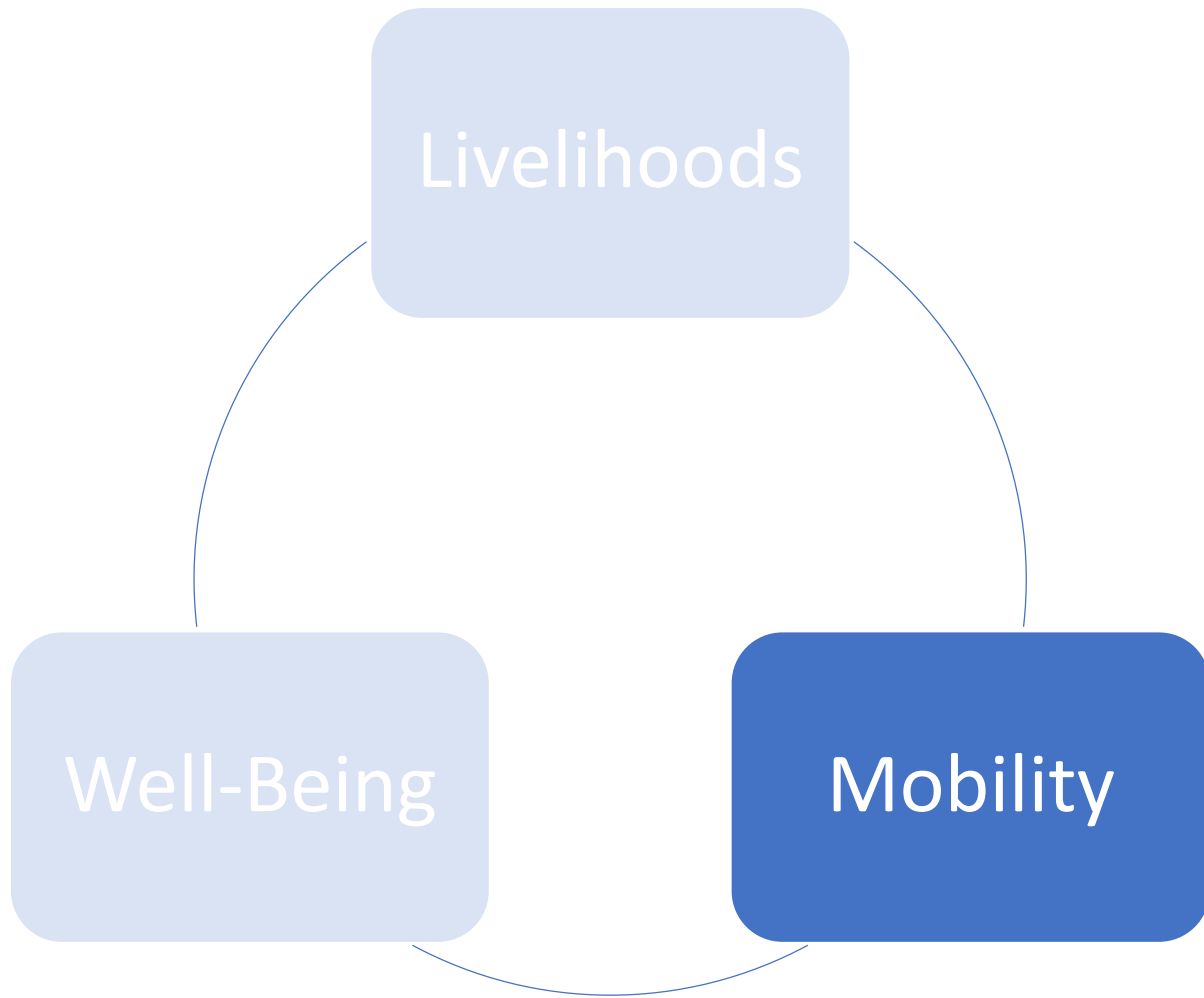
Where have we come from?

Where are we now?



How did we get here?





- Where have we come from?
- Where are we now?
- How did we get here?
- Where might we go?

Where have we come from?



Horse "cars" (early 1900s)



10,000 motor-cars (1915)



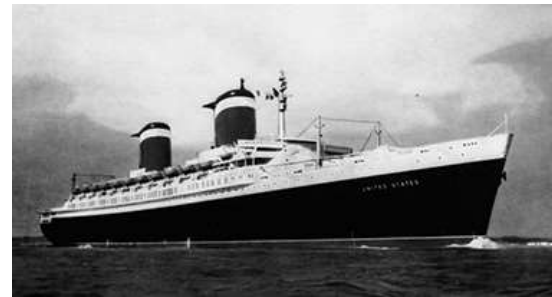
2 million cars (2016)



28 mins average daily commute



Market day



International travel
often 1-way

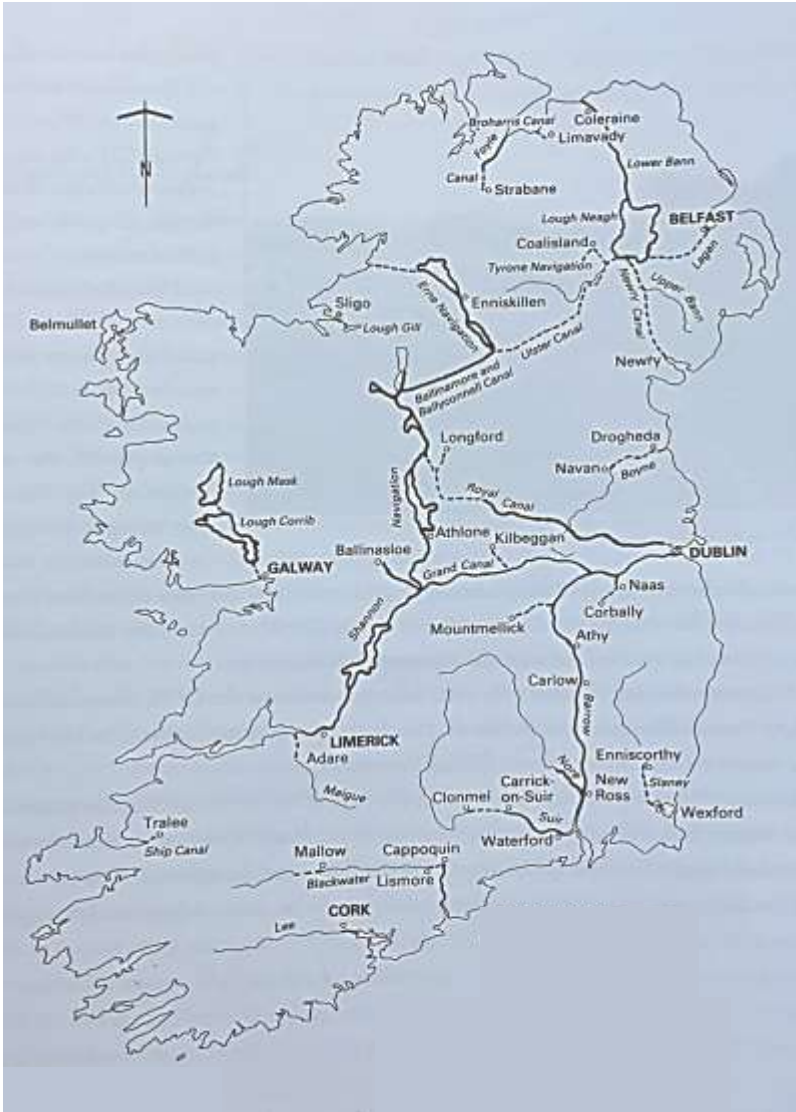


15% household expenditure

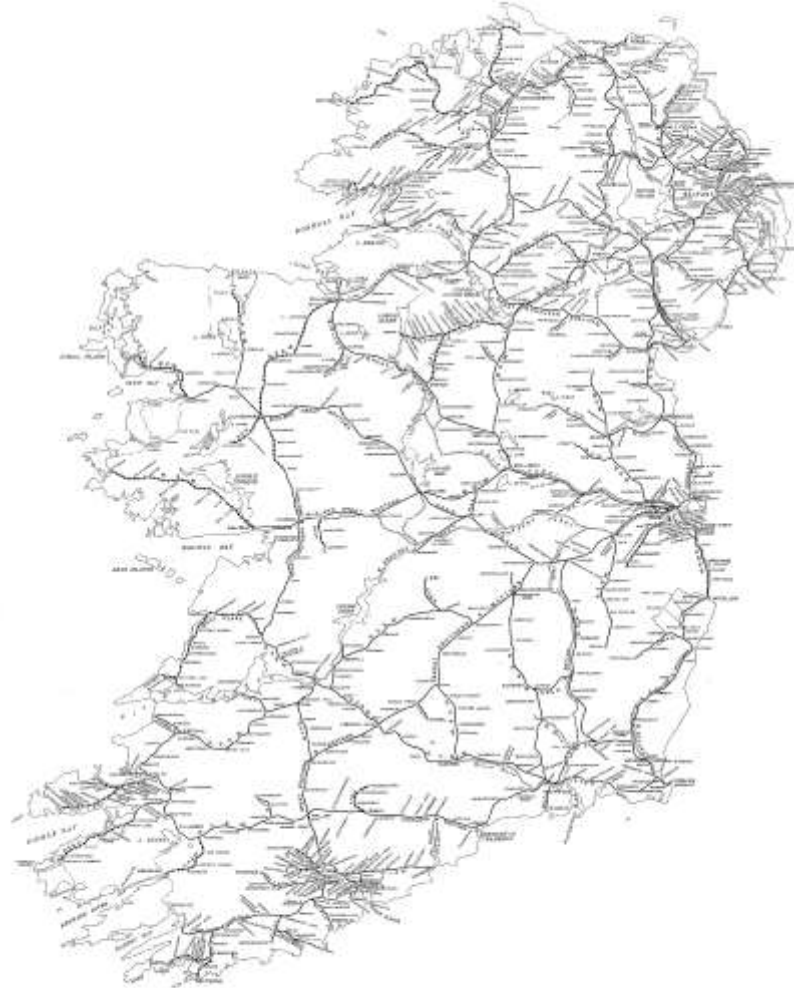


International aviation growing

How did we get here?



Canal Infrastructure (1760-1820s)

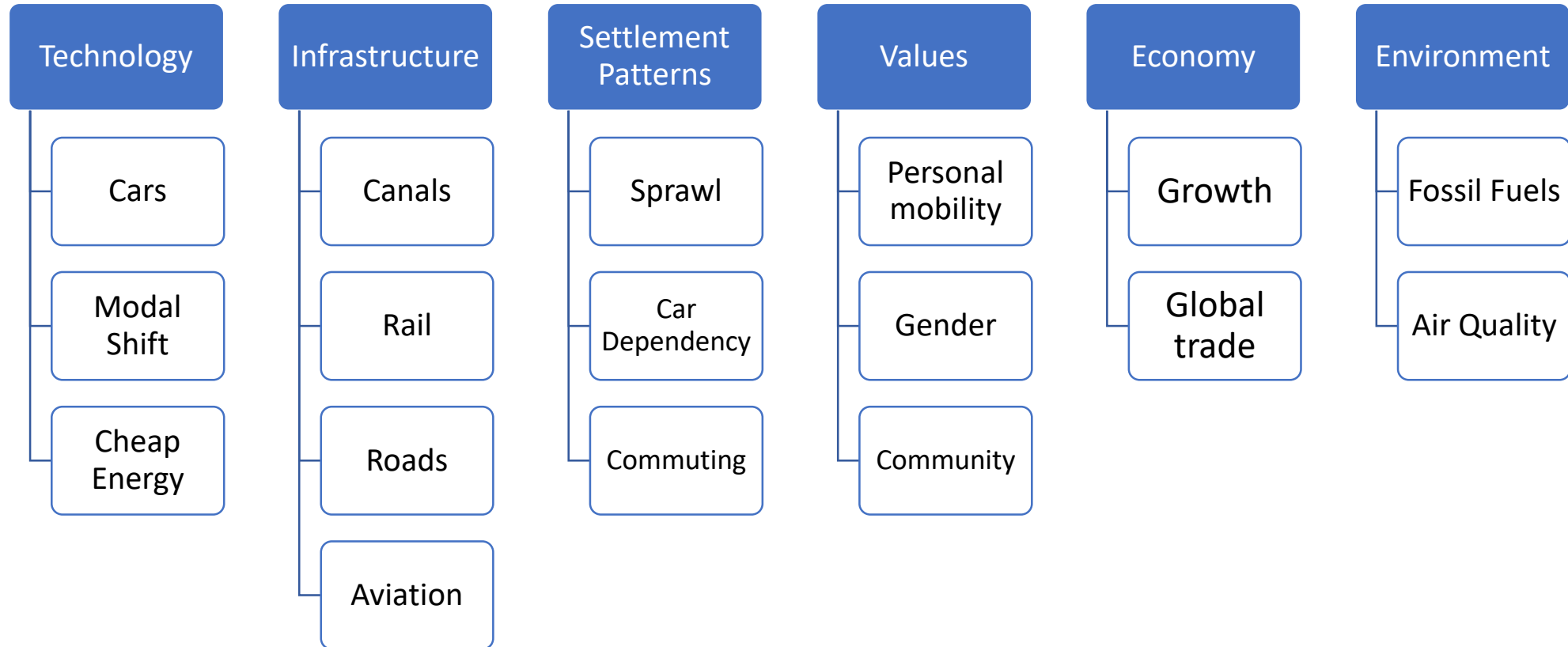


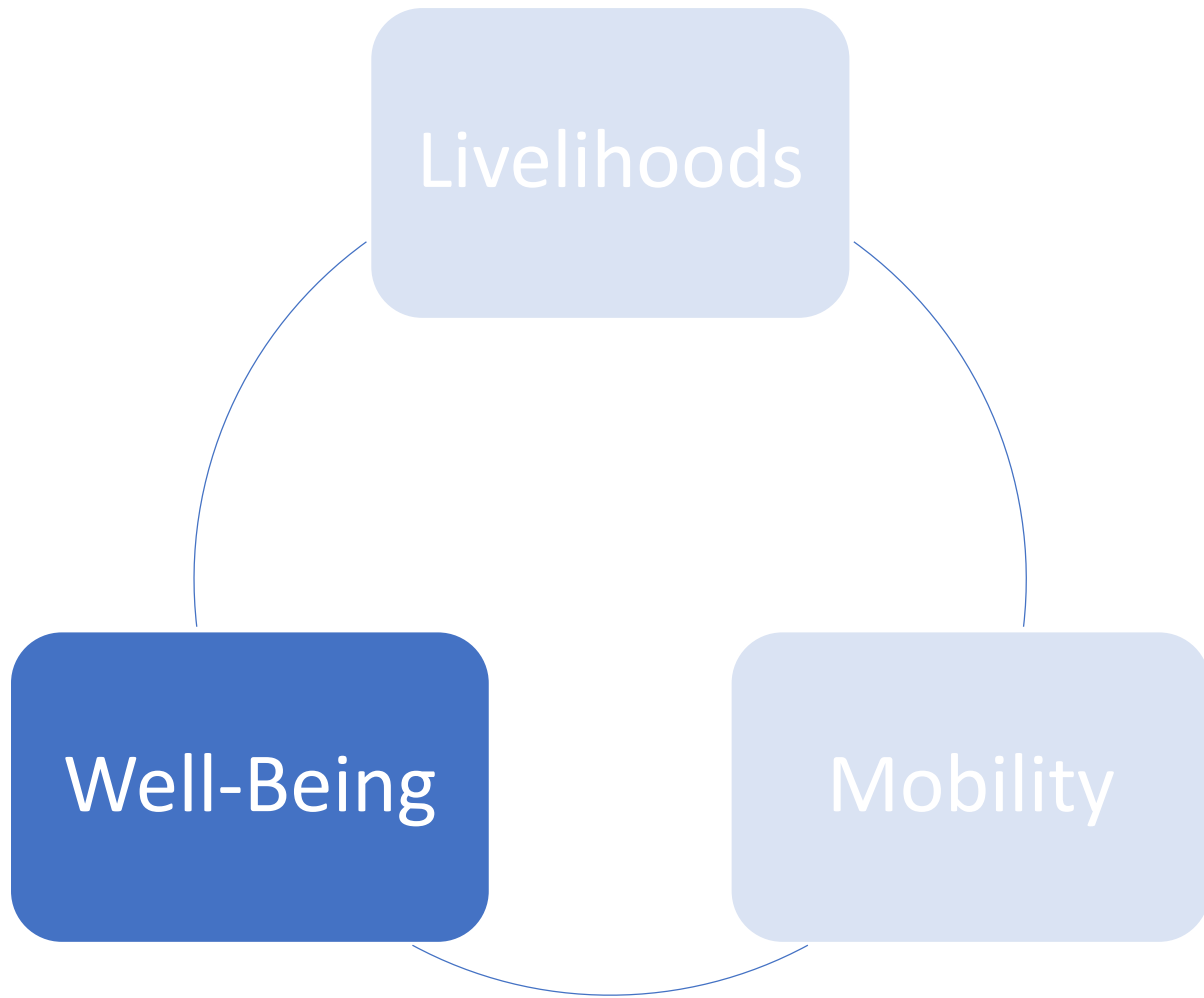
Rail Infrastructure (1820-1950s)



Road Infrastructure (1950-Today)

How did we get here?





- Where have we come from?
- Where are we now?
- How did we get here?
- Where might we go?

Where have we come from?



Open fire; insulation rare



Electricity only in towns

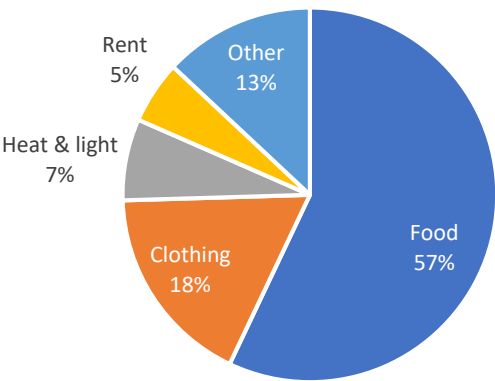
Where are we now?



Central heating normal; insulation quality variable



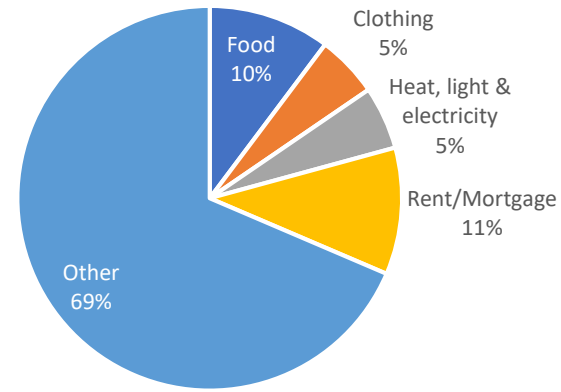
Electricity access universal; but equality issues remain



High cost of energy services: 7% of annual expenditure (1911)



Urban & indoor air pollution

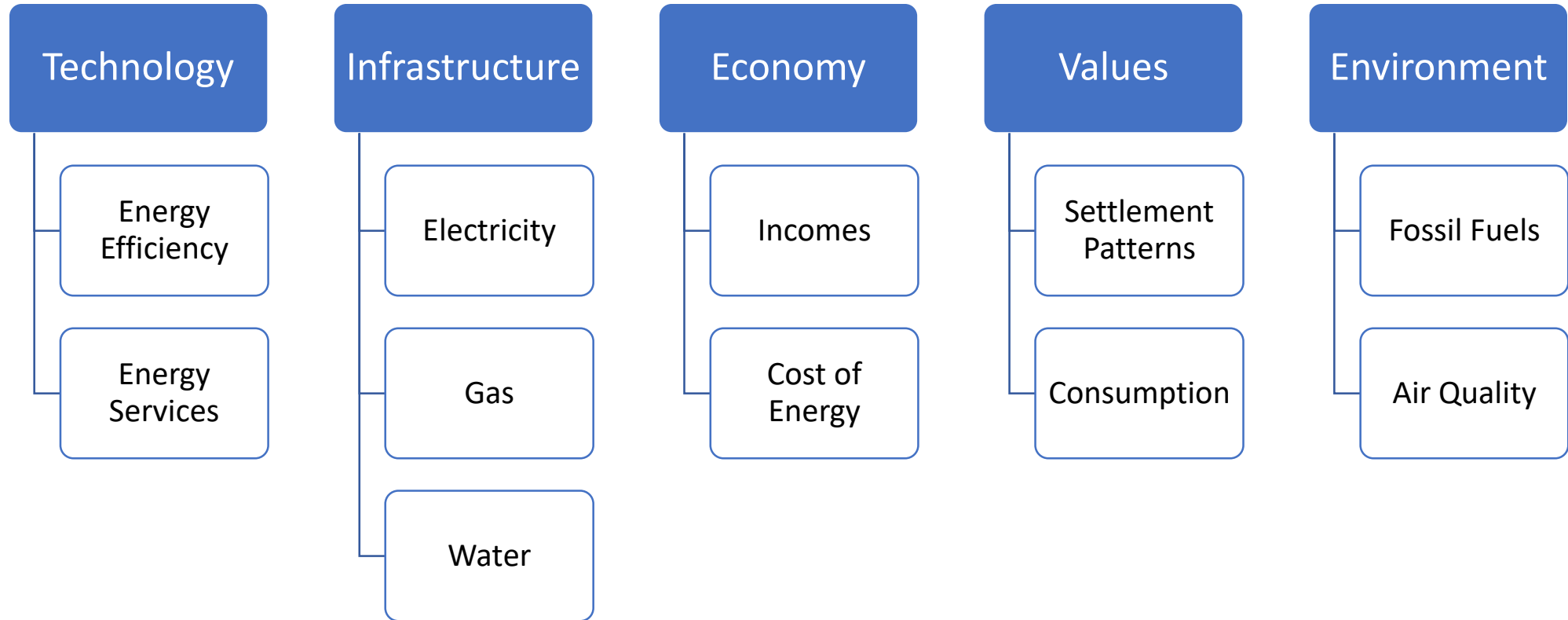


Lower cost of energy services, but energy poverty remains

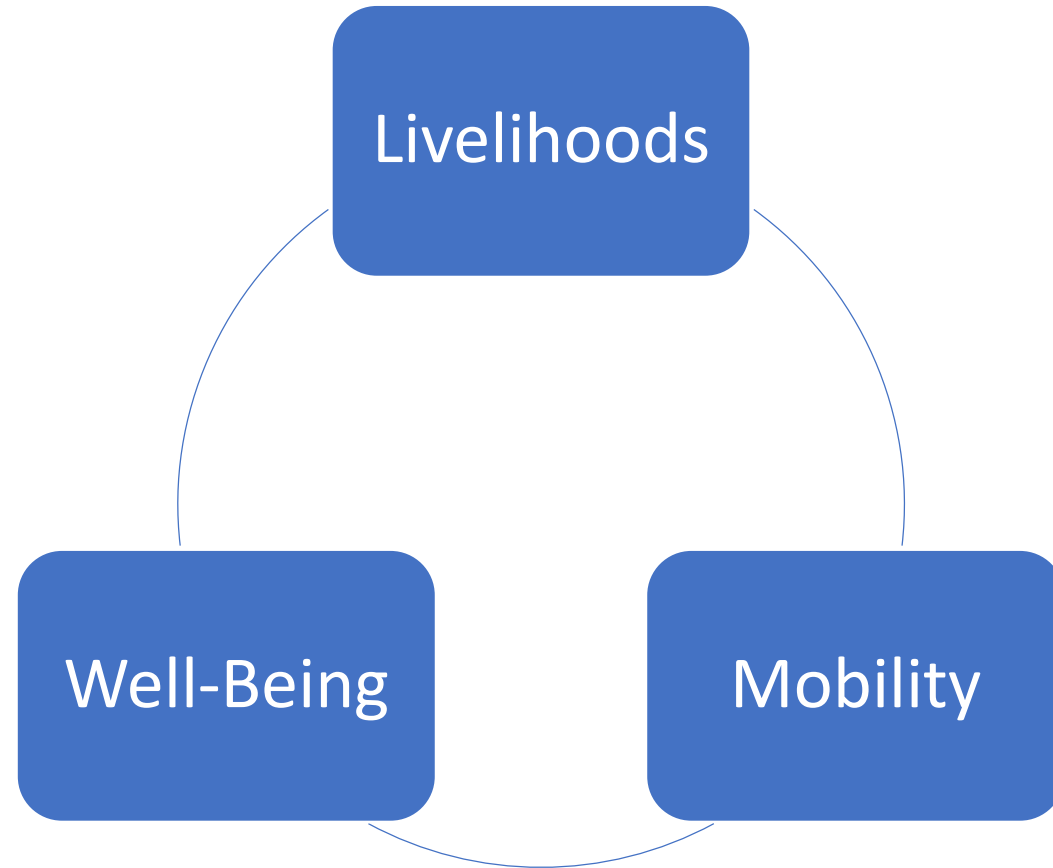


Outdoor air quality worsening

How did we get here?



Where might we go?



Livelihoods

- Job churn from changing energy regimes?
- More or less meat consumption?
- More or less conspicuous consumption?
- More or less tourism?
- Continued growth in hyper-mobility?

Mobility

- More or less car dependency?
- More or less public transport?
- Less international aviation?
- Impact on settlement patterns?
- Mobility as a service? (i.e. not owning a car)

Well-Being

- More or less warmer homes?
- Better or worse energy poverty?
- More mechanical ventilation?
- More climate resilient settlement patterns?