

Preparing for Economic Recovery
 Planning Ireland, North & South


OUT OF RECESSION
 Session 1 Health check on Economic Development, Planning and Infrastructure

**Green Infrastructure,
 Myth and Reality – Demand, Delivery
 and Delay**
 D.C. SKEHAN, DIT
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 Futures Academy

Outline

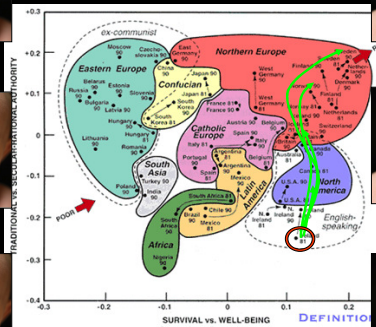
- Future Ireland
- Recovery of Economic Activity
 - Needs
 - Preferences
 - Role of Infrastructure
 - Role of Green Infrastructure
- Planning for Economic Recovery
- Role of Spatial Planning

THE FUTURE



HER FUTURE

What will she want?



PLAN
 To make provision for the future

WHICH FUTURE?

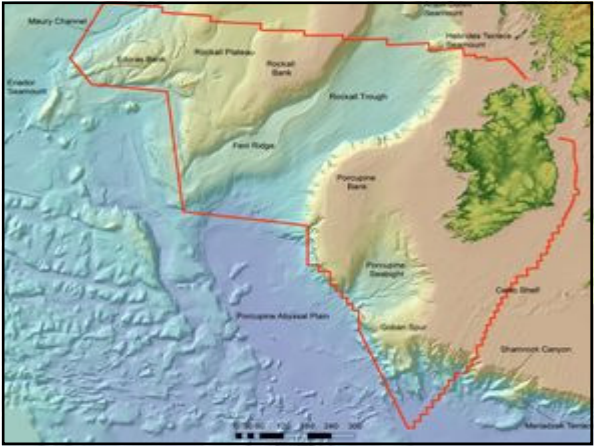
BUT
 There are no facts about the future

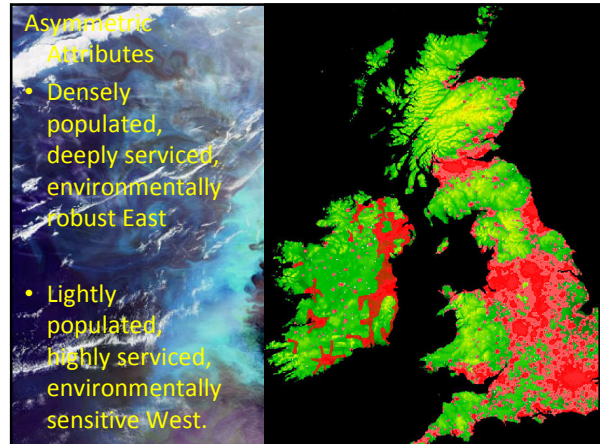
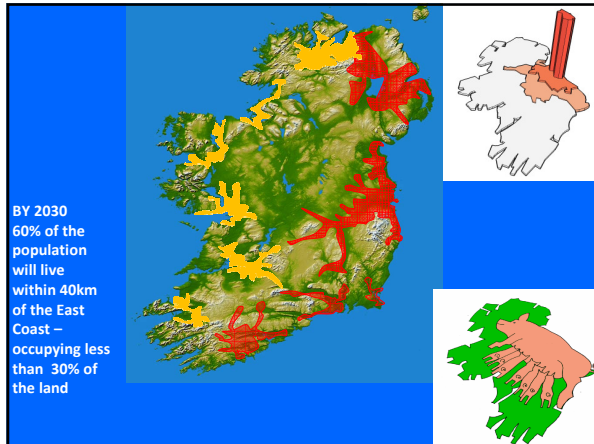


**MANY FUTURES:
 MANY PLANS**

“IF YOU WANT TO MAKE GOD LAUGH... TELL HIM YOUR PLANS”

Imagined Ireland [Woody Allen]





Planning for Jobs in the New Future?

<p>Old Paradigm</p> <ul style="list-style-type: none"> • Bring the jobs to the people • Create Right Job in Right Place • Predict, Plan, Provide • Inward Industrial Development • Services will take up the slack 	<p>New Paradigm</p> <ul style="list-style-type: none"> • Fit the jobs to the Place • Prepare Right Places for Right Jobs • Acknowledge, Accept, Anticipate • Prepare, Pursue, Persevere • Indigenous Economic Activity
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Old & New Jobs

<p>What we've</p> <ul style="list-style-type: none"> • Biopharma Actives • Pharma Actives • IT Manufacturing • Software Support • Aerospace Industries • Financial Services • Pharma 'Fill & Finish' • Medical Devices • Software Logistics • IT Assembly & Test • Bulk Food • Bulk T 	<p>What we might have</p> <ul style="list-style-type: none"> • Biopharma Actives • Pharma Actives • IT Manufacturing • Nano Technologies • Software Creation • Cultural 'Industries' • Aerospace Industries • Specialist Food & Beverage • Specialist Health • Specialist Education • Financial Services • Specialist Tourism • Medical Devices
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Future Economic Activity

- Future Economic Activity may not necessarily be Industrial
- Future Operations may be Irish
- New paradigms required to take account of
 - New Types of Economic Activities
 - Intrinsic Environmental Characteristics
 - Emerging Demographic Concentrations
- New Paradigms will challenge existing systems of planning and governance

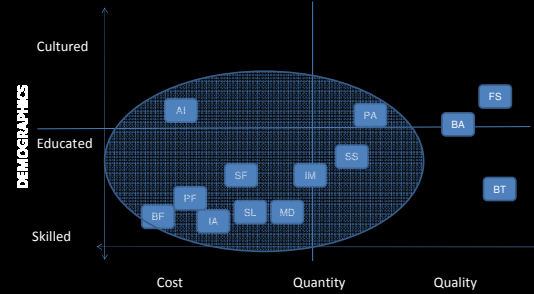
CRITICAL FACTORS DETERMINING LOCATION DECISIONS FOR MAJOR ECONOMIC ACTIVITY			
PRIMARY FACTOR	SUSTAINING FACTORS	Establishment Criterion	Operational Criterion
Demographics	Production Skills		
	Sustaining Skills		
	Productivity		
	Cost		
	Housing Cost/Quality		
	Spousal Employment		
	Education		
Regulation	Quality of Life/Amenities/Culture		
	Fiscal [taxation]		
	Certainty		
Water Supply	Compliance Costs		
	Volume		
	Reliability		
Wastewater	Cost		
	Capacity		
Transport	Cost		
	Reliability		
Energy [110kV]	Scale		
	Price		
	Encumbrance		

Capacity and Performance

- They will come for skills and capacity [Planned Physical & Social Infrastructure]
- They will stay for service, productivity and price [Effective Governance]

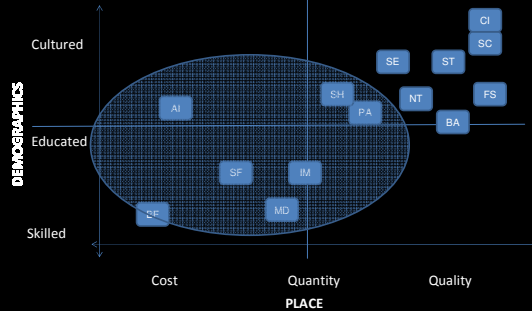
What Ireland has offered

BA	Biopharma Actives	PF	Pharma 'Fill & Finish'
PA	Pharma Actives	MD	Medical Devices
IM	IT Manufacturing	SL	Software Logistics
SS	Software Support	IA	IT Assembly & Test
AI	Aerospace Industries	BF	Bulk Food
FS	Financial Services	BT	Bulk Tourism



What Ireland will need to offer

BA	Biopharma Actives	SF	Specialist Food & Beverage
PA	Pharma Actives	SH	Specialist Health
IM	IT Manufacturing	SE	Specialist Education
NT	Nano Technologies	FS	Financial Services
SC	Software Creation	ST	Specialist Tourism
CI	Cultural Industries	MD	Medical Devices
AI	Aerospace Industries	BF	Bulk Food



Where Ireland could make best offerings..

BA	Biopharma Actives	SF	Specialist Food & Beverage
PA	Pharma Actives	SH	Specialist Health
IM	IT Manufacturing	SE	Specialist Education
NT	Nano Technologies	FS	Financial Services
SC	Software Creation	ST	Specialist Tourism
CI	Cultural Industries	MD	Medical Devices
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Facilitating the Future

- Openness to New Realities
 - Demographic
 - Environmental
 - Cultural Preference [Urban]
- Need to address Water Issues
- Need integrated approach to Environmental Sensitivities

The Role of Green Infrastructure?

What is it?

- The use of knowledge of environmental systems to provide or manage environmental services.

The Role of Green Infrastructure?

- What it's not [usually]
- Alternative Energy
- Sustainable Development
- Horticultural Design

The Role of Green Infrastructure?

Examples include

- Intercepting & Detaining Flood Peaks in rural areas to avoid Flood Relief Works in Urban Areas
- Using networks of natural systems – such as streams – to meet urban needs for recreation, biological protection, water management and amenities
- Using networks of natural systems to structure land-uses

POTENTIAL REGIONAL ROLE FOR GREEN INFRASTRUCTURE TO SUPPORT MAJOR ECONOMIC ACTIVITY						
PRIMARY FACTOR	SUSTAINING FACTORS	CRUCIAL	IMPORTANT	USEFUL	INDIRECT	IRRELEVANT
Concentrated Demographics	Housing					
	Urban Centres					
	Amenities	R				
	Quality of Life	R				
Infrastructure	Production	R				
	Distribution			R		
Wastewater	interception					
	Treatment					
Storm water	interception	R				
	Treatment	R				
Floodwater	interception	R				
	Treatment	R				
Transport	Road			R		
	Rail			R		
	Cycle/pedestrian					
Energy	Availability					
	Cost			R		
Land	Scale					
	Price					
	Encumbrance					

The potential Contributions of Green Infrastructure to Economic Activity?

- High Potential to Critically contribute to sustaining and improving Quality of Life factors
- High Potential to contribute to Water Services
- All only possible in highly integrated systems of spatial planning with multi-agency 'buy-in'

Two Challenges Emerging

1. Governments don't do planning very well – driven by political expediency
How will we put in place new strategies that will be evidence-led, spatially specific, and willing to leave old ways behind?
2. Critical role for Agencies and Authorities – but reluctant to speculate or change
How do we develop and sustain dynamic, responsive and flexible economic development strategies – instead of 'plans'.

