



CITY-zen

New urban energy



Co-funded by the European Union's Seventh Programme for research, technological development and demonstration

CITYZEN INVOLVEMENT

The goal is to **motivate** and **empower end-users** to a long term energy saving attitude via:

- serious games
- an energy savings challenge
- monitoring their own energy
- retrofitting houses
- usage of district heat and cold sources
- using an electrical car to store energy
- using home batteries to increase self consumption of solar power
- **Roadshow**



‘The Colin Sustainable Vision’

‘The COLIN Roadshow’ - Belfast

Presented
by

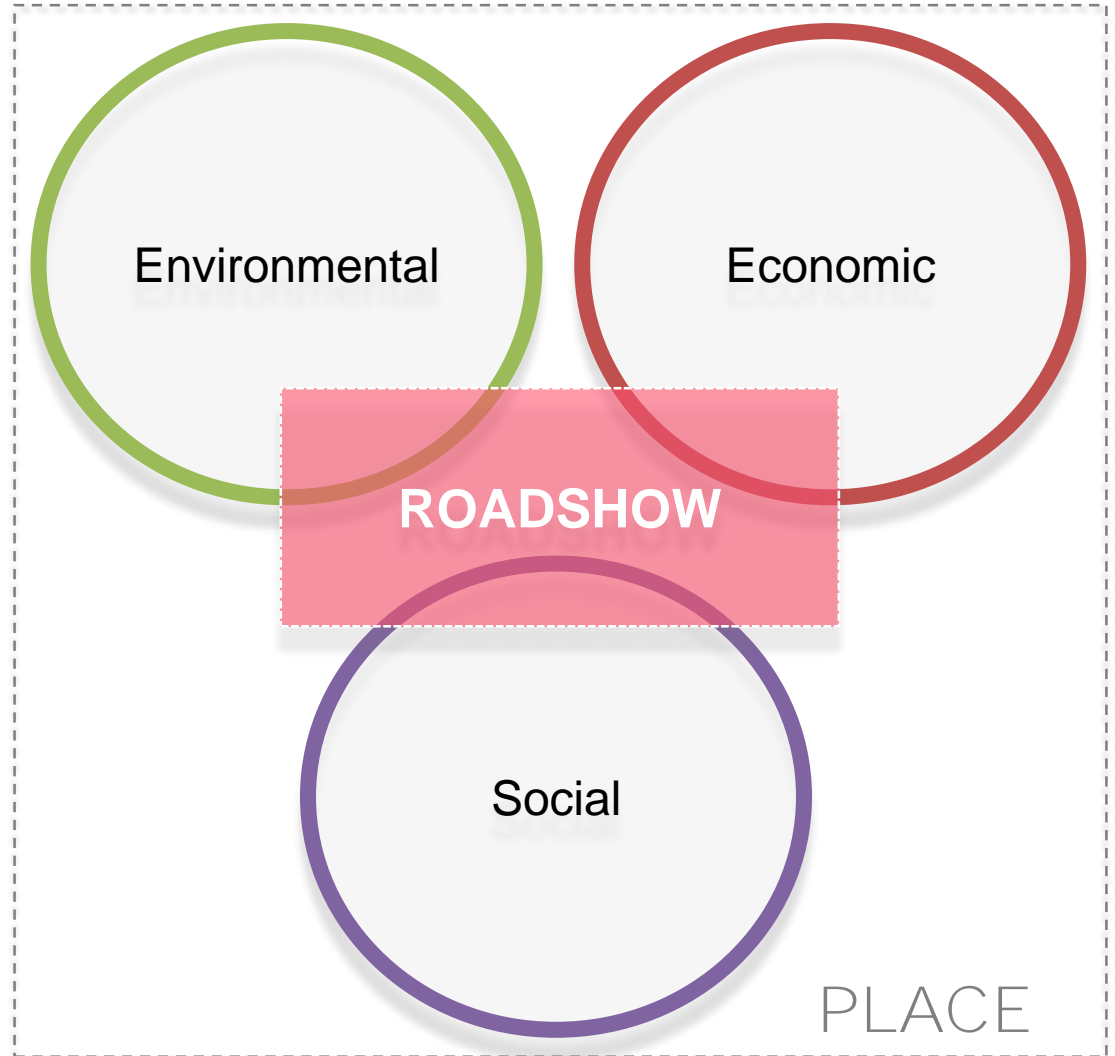
Dr Craig Lee Martin (TU Delft)



THE COLIN SUSTAINABLE VISION

BACKGROUND

- Context for roadshow:
The Trias Energetica

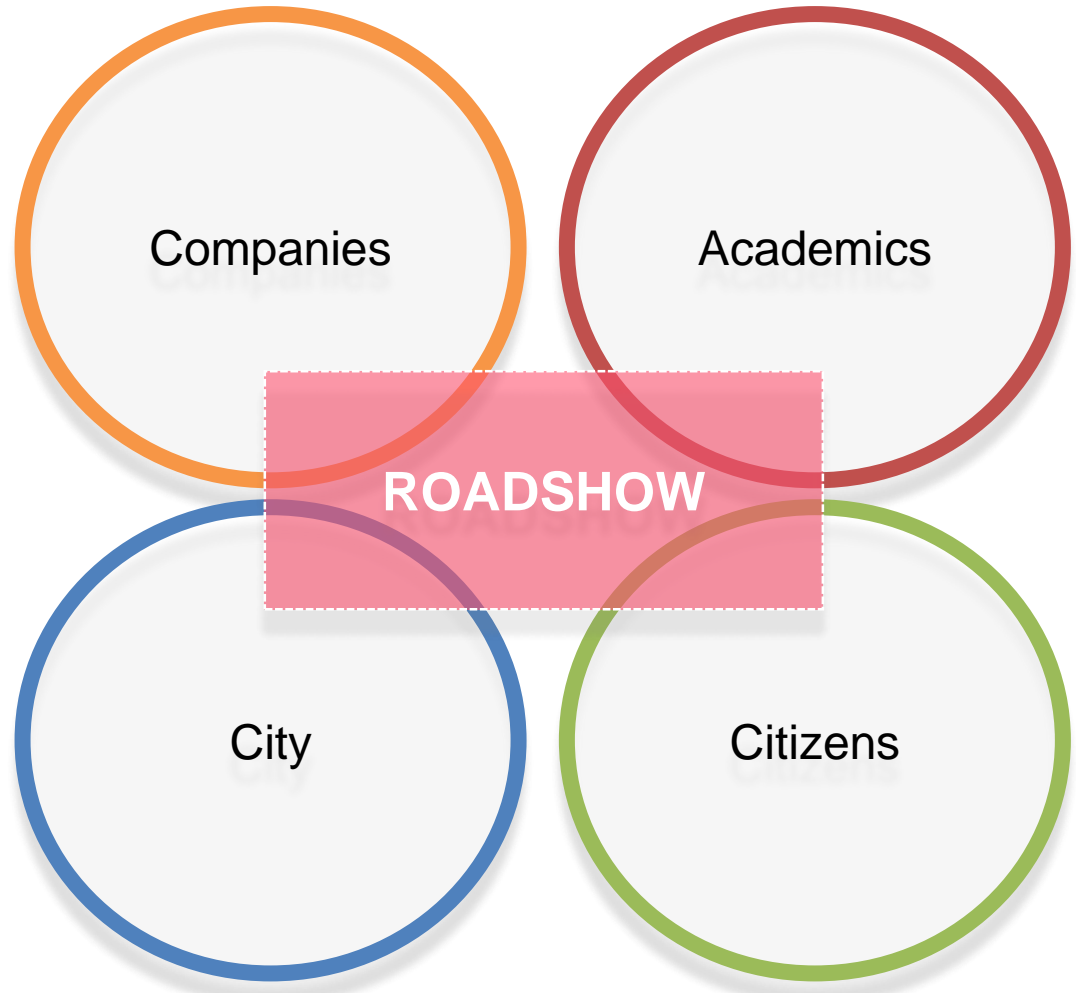




THE COLIN SUSTAINABLE VISION

BACKGROUND

- Context for roadshow:





THE COLIN SUSTAINABLE VISION

BACKGROUND

- Roadshow activities & events over the 5 Day programme include:

Energy Mapping

Design workshops

Mini-Masterclasses

Future Innovation Technology lectures

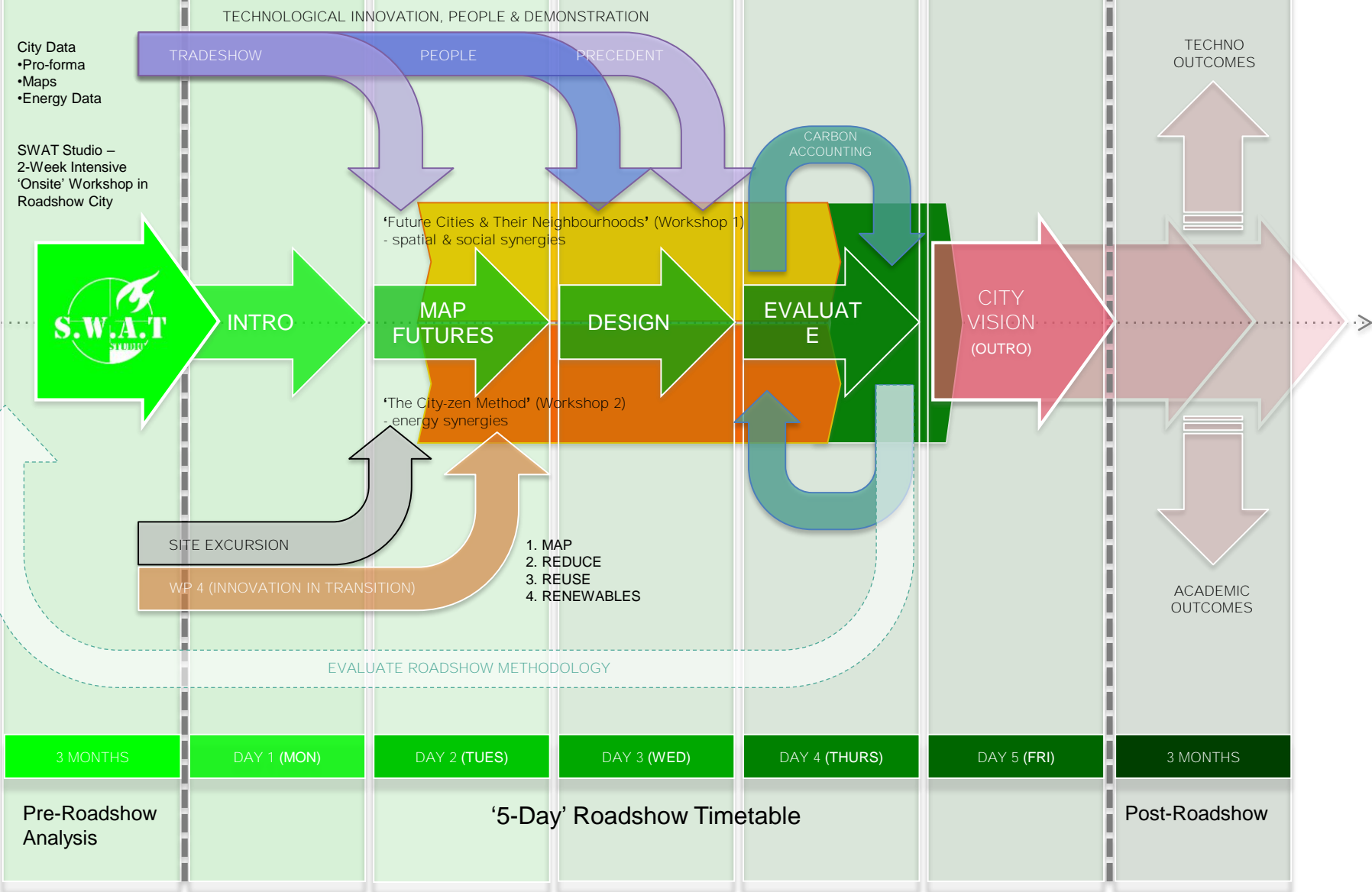
Tradeshows

Carbon Accounting

Serious Gaming

ITS NOT A COMMUNITY CONSULTATION SESSION!

BACKGROUND: 5-DAY TIMETABLE



THE COLIN SUSTAINABLE VISION

THE 'ROADIES':

- Travelling with the Roadshow is an experienced team of internationally renowned sustainability experts, whose specialisms will combine with multidisciplinary stakeholder groups and students from each hosting city.



Prof. Greg Keeffe

Workshop Content:
'Future Cities & Their Neighbourhoods'
(Workshop 1)
- spatial & social synergies



Dr Craig L. Martin

Workshop Content:
SWAT Studio (Pre-RS
Analysis) & Roadshow
Methodology



Dr Leen Peeters

Workshop Content:
Tradeshow / 'FUTURE
TECHNOLOGIES' Lecture



Ir. Siebe Broersma

Workshop Content:
'The City-zen Method'
(Workshop 2)
- energy synergies



Prof. Andy van den Dobbelsteen

Workshop Content:
'The City-zen Method'
(Workshop 2)
- energy synergies



Dr Han Vandevyvere

Workshop Content:
Mini-Masterclass 1 'The Link
between People & Technology'



Dr Riccardo Pulselli

Workshop Content:
Mini-Masterclass 2 - 'Carbon
Accounting Explained'



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THE COLIN SUSTAINABLE VISION





THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

DEVELOPMENT WORK:



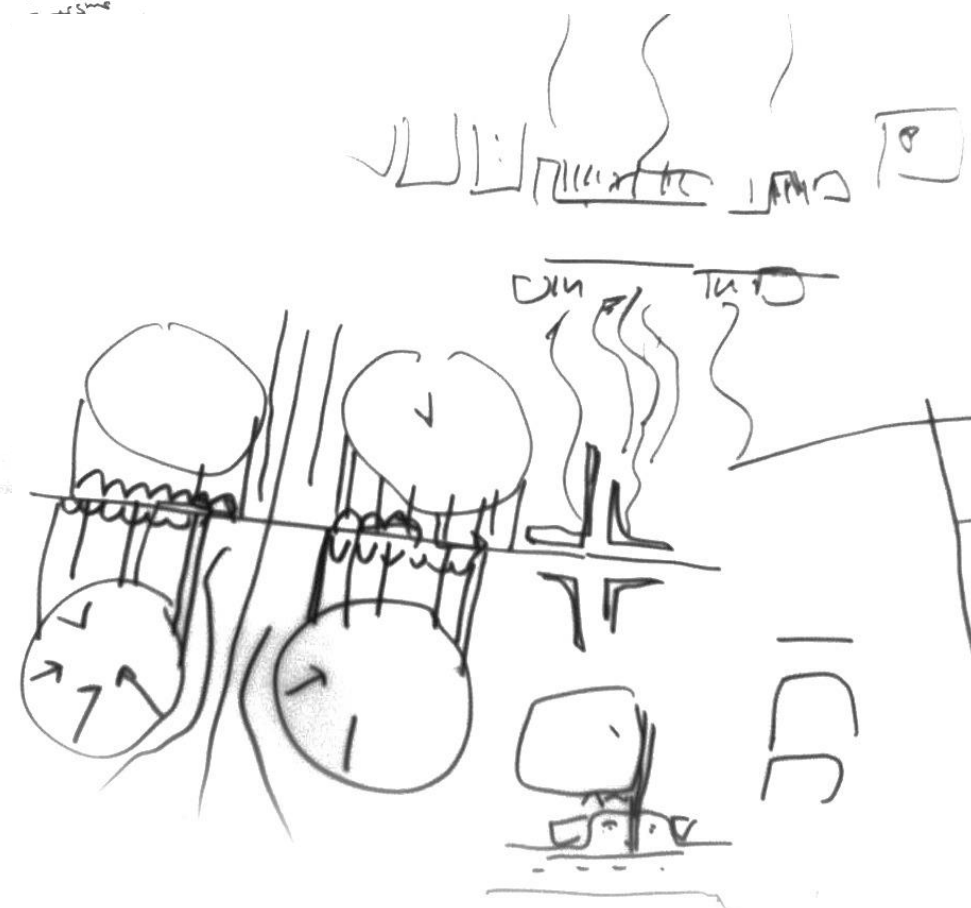
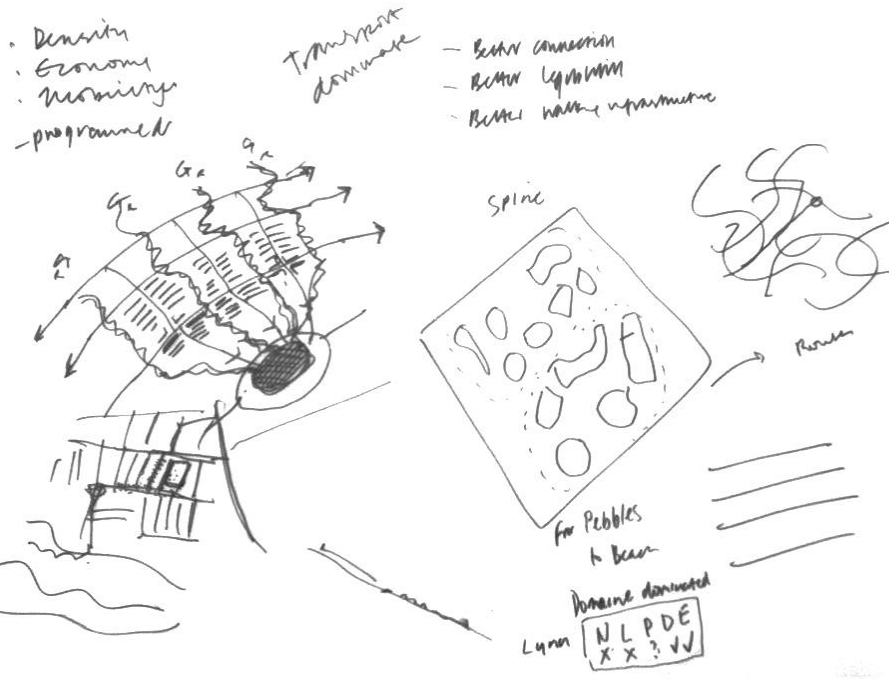
Prof. Greg Keeffe

Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
- spatial & social synergies



Dr Craig L. Martin

Workshop Content:
SWAT Studio (Pre-RS
Analysis) & Roadshow
Methodology





THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

DEVELOPMENT WORK:



Prof. Greg Keeffe
Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
- spatial & social synergies



Dr Craig L. Martin
Workshop Content:
SWAT Studio (Pre-RS
Analysis) & Roadshow
Methodology





THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1): DEVELOPMENT WORK: KEY PRECEDENT (LYTHAM)



Prof. Greg Keeffe

Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
Spatial & Social Synergies



Dr Craig L. Martin

Workshop Content:
SWAT Studio (Pre-RS
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Methodology

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53°44'13.20" N 2°57'48.48" W elev 8 m eye alt 10 m

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THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

DEVELOPMENT WORK: KEY PRECEDENT



Prof. Greg Keeffe

Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
Spatial & Social synergies



Dr Craig L. Martin

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53°44'12.10" N 2°57'48.04" W elev 8 m eye alt 10 m



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'Future Cities & Their Neighbourhoods' (Workshop 1): DEVELOPMENT WORK: KEY PRECEDENT



Prof. Greg Keeffe

Workshop Content:
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(Workshop 1)
Spatial & Social synergies



Dr Craig L. Martin

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Methodology

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53°44'14.00" N 2°57'39.74" W elev 7 m eye alt 10 m



THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1): DEVELOPMENT WORK: KEY PRECEDENT



Prof. Greg Keeffe
Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
Spatial & Social synergies



Dr Craig L. Martin
Workshop Content:
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53°44'14.44" N 2°57'33.23" W elev 14 m eye alt 10 m

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THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

DEVELOPMENT WORK: KEY PRECEDENT



Prof. Greg Keeffe

Workshop Content:
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(Workshop 1)
Spatial & Social synergies



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THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

DEVELOPMENT WORK: KEY PRECEDENT (HARWORTH)



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Spatial & Social synergies



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53°49'51.59" N 1°57'19.49" W elev 235 m eye alt 233 m

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'Future Cities & Their Neighbourhoods' (Workshop 1): DEVELOPMENT WORK: KEY PRECEDENT (KIRKHAM)



Prof. Greg Keeffe

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(Workshop 1)
Spatial & Social synergies



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EXIT STREET VIEW



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53°46'55.76" N 2°52'25.41" W elev. 28 m eye alt. 23 m

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THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

THE 9 'LAWS' OF COLIN:



Prof. Greg Keeffe

Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
- spatial & social synergies



Dr Craig L. Martin

Workshop Content:
SWAT Studio (Pre-RS
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1. DO NOT NEGOTIATE WITH PAST ERRORS – BUILD A NEW FUTURE
2. CREATE OPPORTUNITY – TAKE RISKS!
3. WHEN TOO COMPLICATED? PLACE RENEWABLE INFRA-STRUCTURE

CONTEXT

4. CONSOLIDATE URBANITY – BE PART OF A CITY ...
5. GREEN SPACE IS NOT ALWAYS GOOD, SURROUND IT!
6. SUCCESSFUL STREETS ARE SLOW, CULTIVATE CONGESTION!

PROGRAMME

7. RESPOND TO ENVIRONMENT
8. ENCOURAGE GOOD BEHAVIOUR
9. LOCAL NOT GLOBAL!

SUSTAINABILITY



THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

ST COLMS SCHOOL:



Prof. Greg Keeffe
Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
spatial & social synergies



Dr Craig L. Martin
Workshop Content:
SWAT Studio (Pre-RS
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Methodology



THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 4):

ST COLMS SCHOOL:



Prof. Greg Keeffe
Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
- spatial & social synergies



Dr Craig L. Martin
Workshop Content:
SWAT Studio (Pre-RS
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THE COLIN SUSTAINABLE VISION

'Future Cities & Their Neighbourhoods' (Workshop 1):

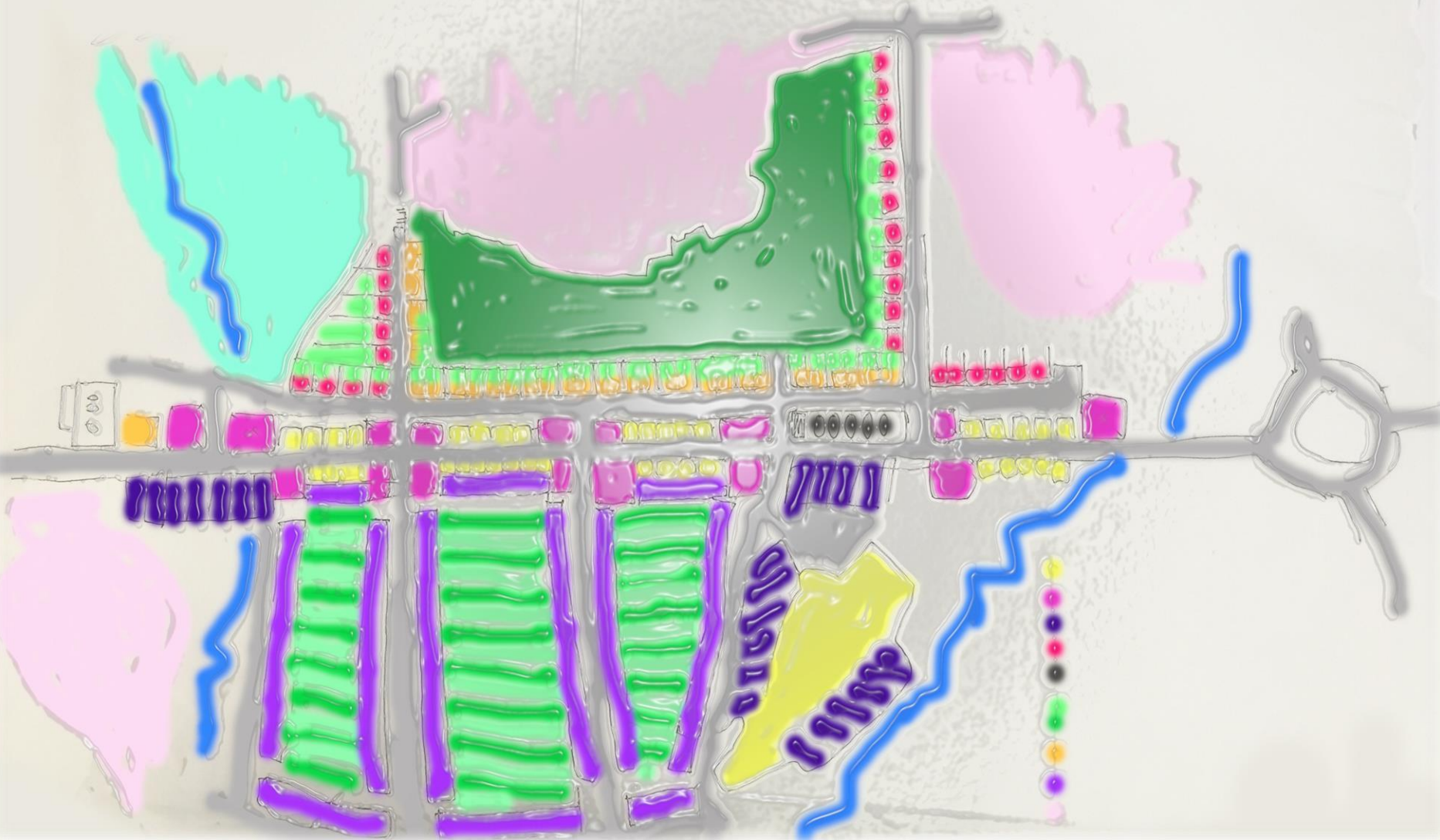
THE 9 'LAWS' OF COLIN: SITE INTERPRETED



Prof. Greg Keeffe
Workshop Content:
Future Cities & Their Neighbourhoods
(Workshop 1)
spatial & social synergies



Dr Craig L. Martin
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'Future Cities & Their Neighbourhoods' (Workshop 1):

STRATEGY



Prof. Greg Keeffe
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'Future Cities & Their Neighbourhoods' (Workshop 1): SECTION PROPOSAL



Prof. Greg Keeffe
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proposed colin town centre section



housing

town centre

urban farm / housing

housing



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'Future Cities & Their Neighbourhoods' (Workshop 1): STREET SECTION



Prof. Greg Keeffe

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Dr Craig L. Martin

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'Future Cities & Their Neighbourhoods' (Workshop 1): **URBAN FARM SECTION**



Prof. Greg Keeffe

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(Workshop 1)
- spatial & social synergies



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'Future Cities & Their Neighbourhoods' (Workshop 1): 3D VISUALISATION



Prof. Greg Keeffe

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Spatial & Social Synergies



Dr Craig L. Martin

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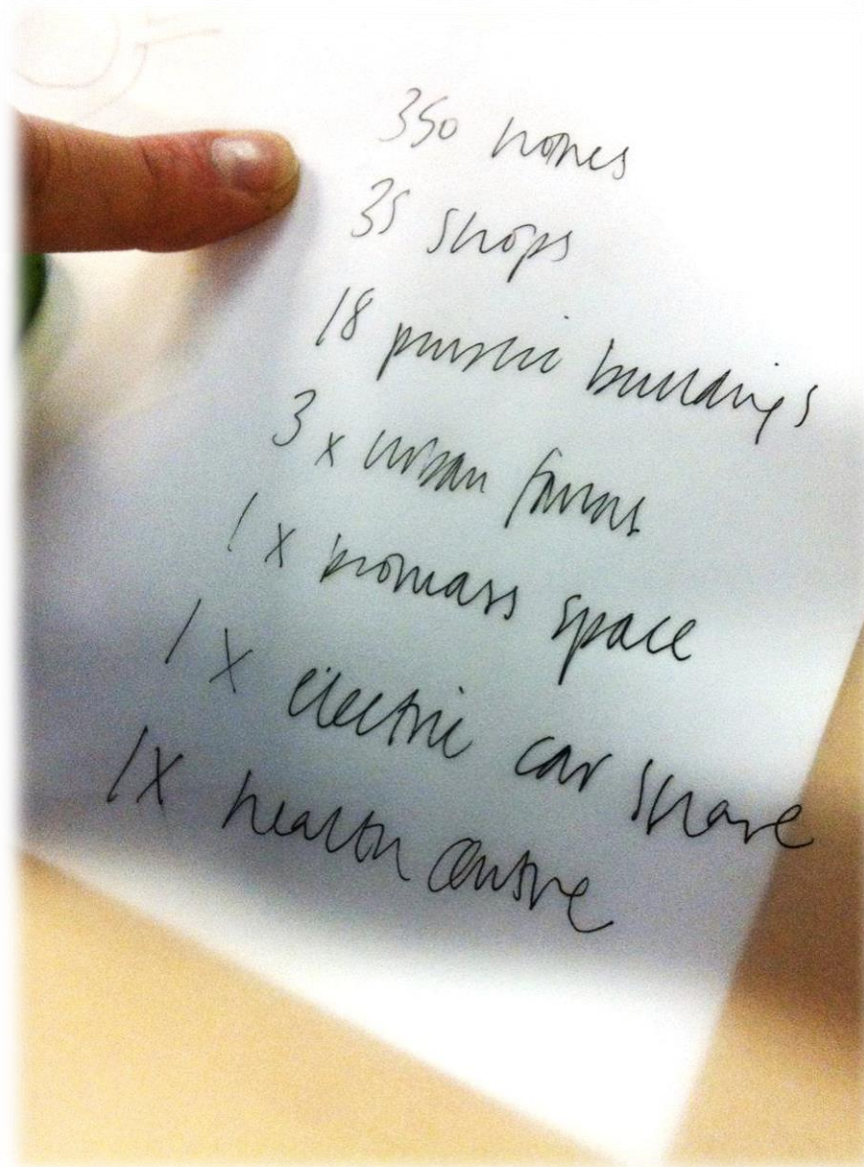




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'Future Cities & Their Neighbourhoods' (Workshop 1):

THE NUMBERS:



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