

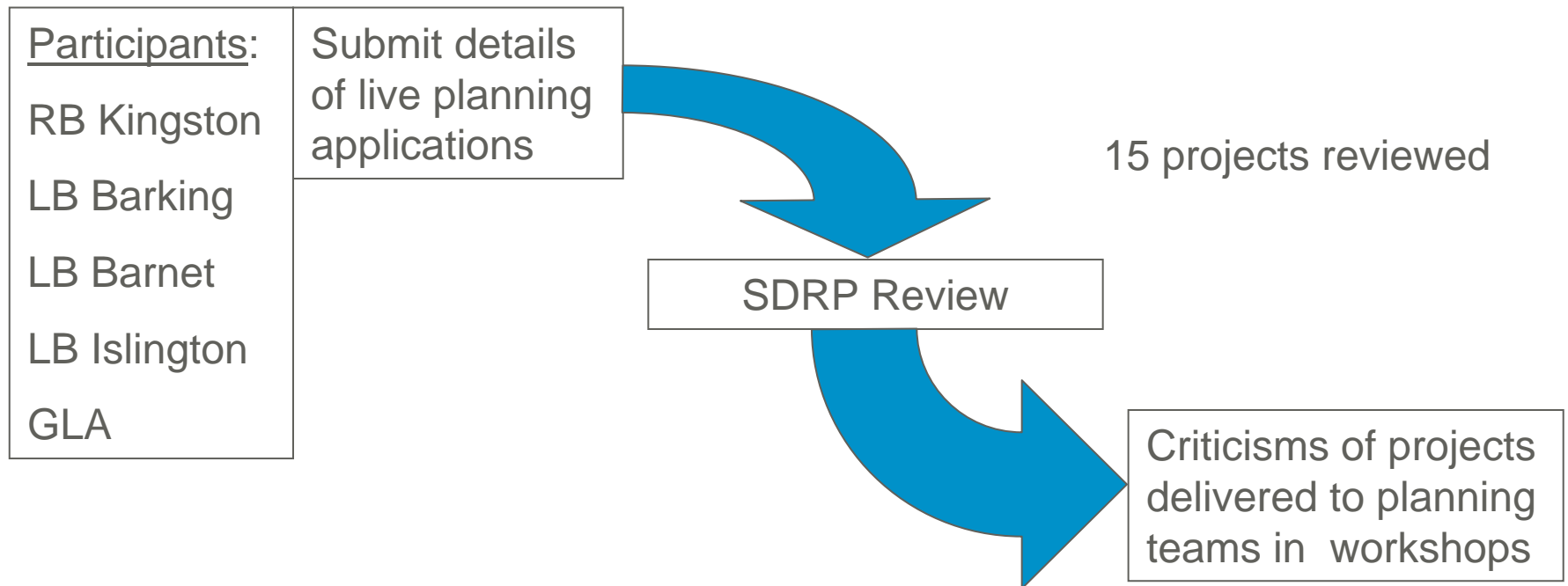
**Julian Hart**

**Lancefield Consulting Ltd**

# Project – Sustainable Training

## Project Drivers

- Test out a Sustainable Design Review Panel
- Deliver training on sustainable design to planning officers



# Sustainable Design Review Panel

Dr Ben Croxford (UCL)  
Professor Barry Gibbs (Liverpool)  
Professor Cedo Maksimovic (Imperial)  
Dr John Mardaljevic (De Montford)  
Dr Mike Davies (UCL)  
Dr Rajat Gupta (Brookes)  
Dr Aylin Orbasli (Brookes)  
Professor Julienne Hanson (UCL)  
Professor Alan Penn (UCL)  
Professor Nick Bailey (Westminster)  
Professor Yvonne Rydin (UCL)  
Dr Philip James (Salford)  
Dr David Shiers (Brookes)

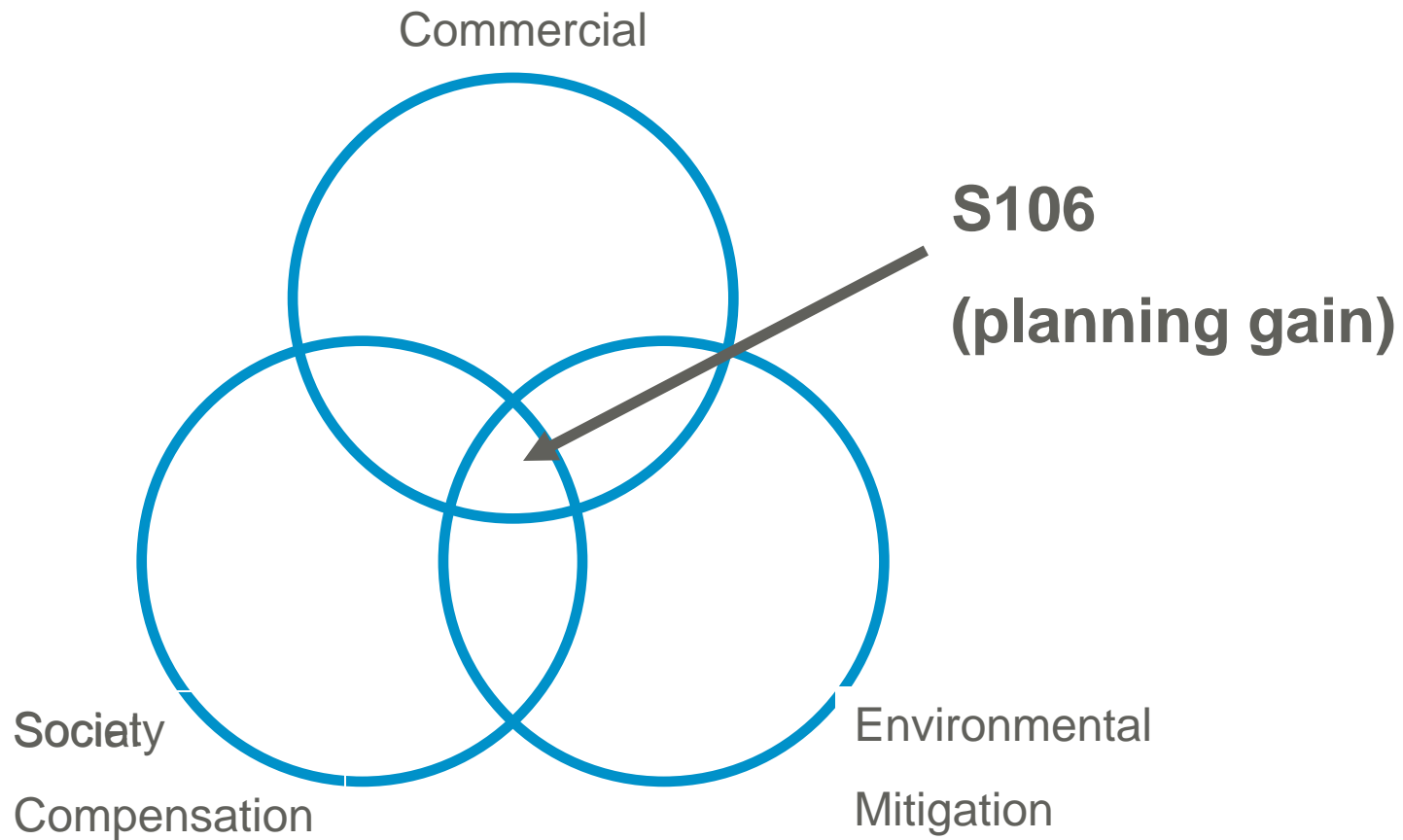
Air Quality  
Noise Quality  
Urban Water Management  
Lighting and Microclimate  
Building Design (Energy)  
Urban Carbon Emissions  
Conservation / Building Re-use  
Inclusive Design  
Space Syntax / Security  
Community Consultation  
Sustainability / Planning  
Urban Ecology  
Green Materials

# The Alternative UrbanBuzz

- **Working definition of Sustainability**
- **Skills verses System**

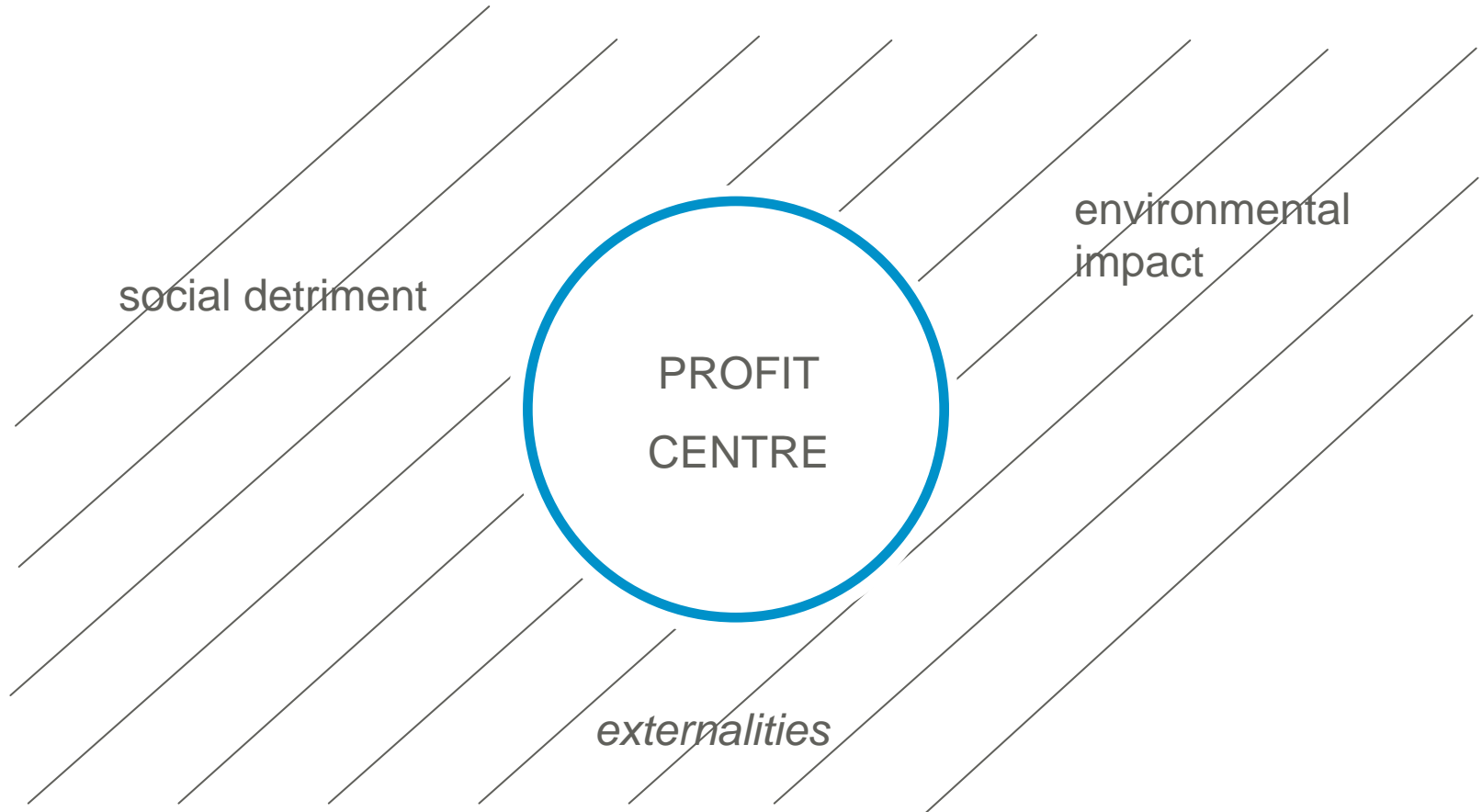
# Sustainability

## The Triple Bottom Line



# Environmental Economics

## David Pearce's work on externalities



# Sustainability ?

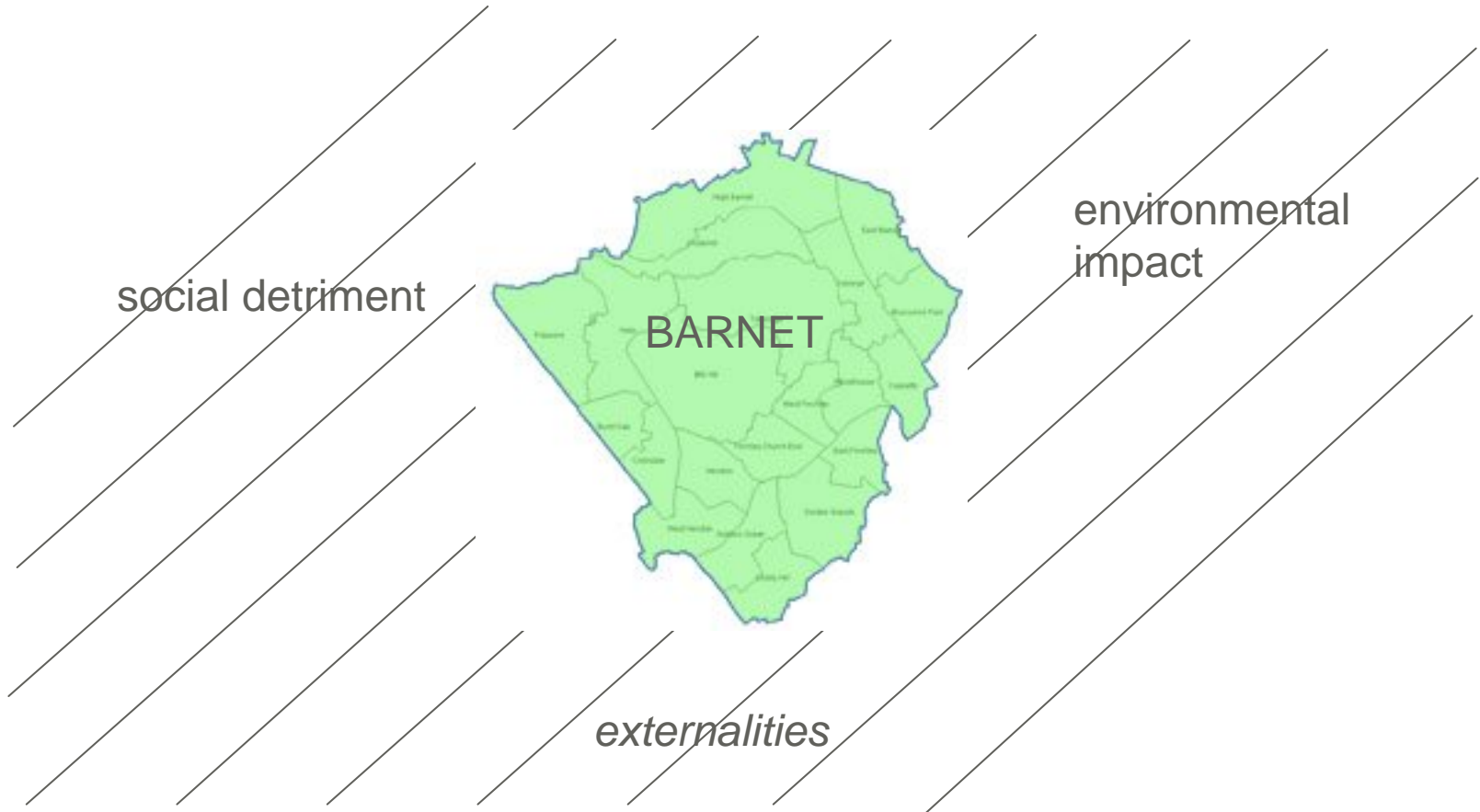
social detriment



environmental  
impact

*externalities*

# Sustainability ?





# What are Sustainability Statements?

in the individual development context ...

**presumption of outcome of political process!**

If the Triple Bottom Line is our working definition of sustainability, then that is exactly what our planning process has always sought to do ... since 1947!

# What are Sustainability Appraisals?

Since 2005, SAs are required for each and every piece of new planning guidance and policy for the whole UK.

**Based on the defined purpose of the Sustainability Appraisal process as:**

“ ... to promote sustainable development through the integration of social, environmental and economic considerations ... ”

**Where Sustainability is defined as:**

“Sustainability issues = The full cross-section of sustainability issues, including social, environmental and economic factors.”

TAUTOLOGICAL HOGWASH???  
Consultants dream – “money for old rope”

# Other Definitions

## Brundtland Definition

"Sustainable development is development that meets the needs of the present **without** compromising the ability of future generations to meet their own needs."

## Quadruple Bottom Line (EU / UN)

Economic

Social

Environmental

Institutional

## Quintuple Bottom Line (SDC)

Healthy Society

Environmental Limits

Sustainable Economy

Good Governance

Sound Science

# The Alternative UrbanBuzz

**Are we lacking the skills to deliver?**

**or**

**Are the structures we are using entirely inappropriate to the job?**

# Day in the career of a planning officer

## Education

- **Primary School Report**  
“shows good promise understanding maps”
- **A Levels include geography**
- **Degree in geography or planning or some other social sciences**

# Day in the career of a planning officer

## First day as a planning officer

Secured  
by Design

Conservation

Air Quality

Hydrology

Chemistry  
(contamination)

Contract  
Law

Acoustics

Waste Management

Archaeology

Ecology

Urban Water  
Management

Lighting

Consultation  
Techniques

Building Services

Microclimate

Renewable  
Technologies

Inclusive Design

Building Physics

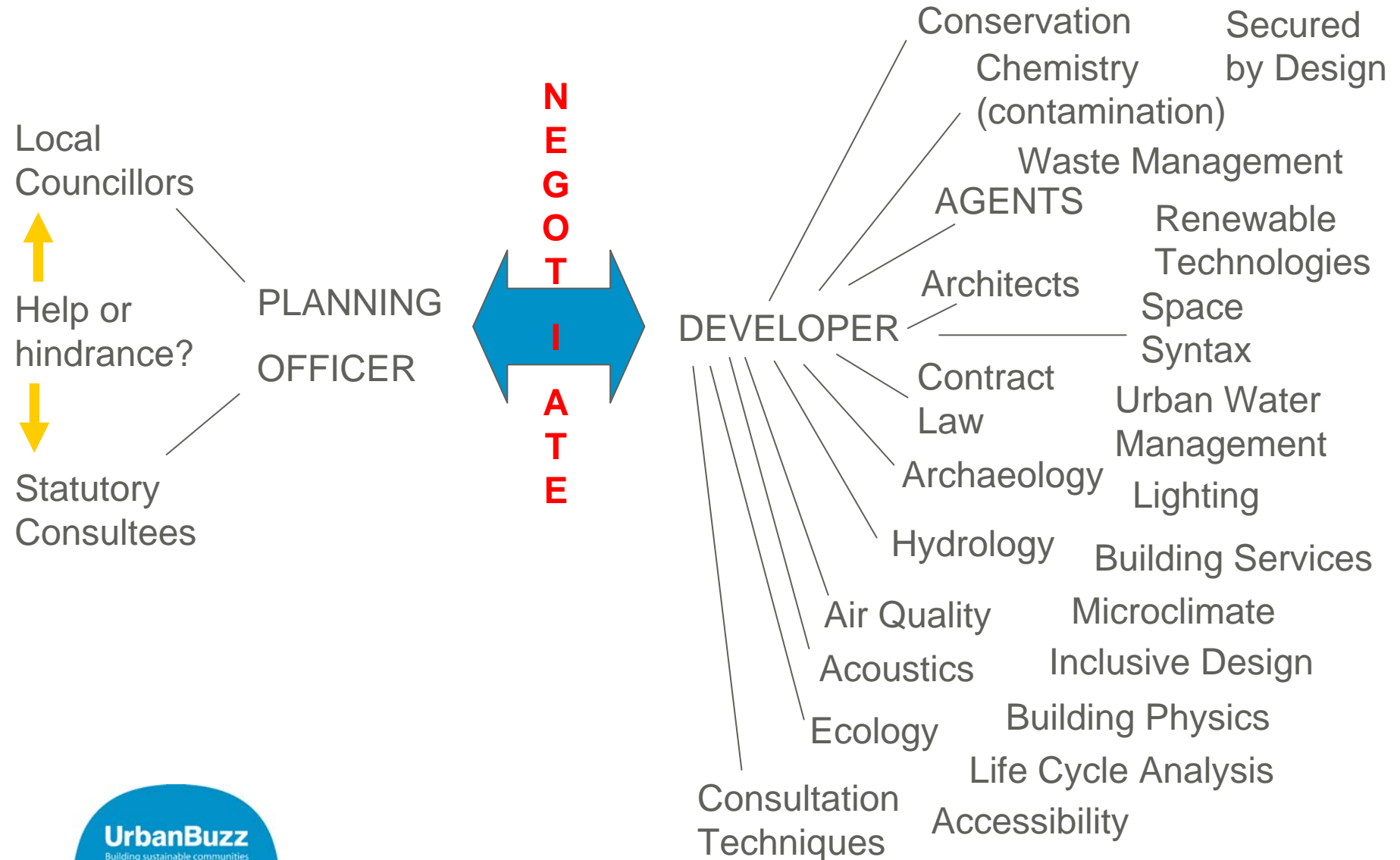
Space  
Syntax

Life Cycle Analysis

Accessibility

# Day in the career of a planning officer

## Second day as a planning officer



# Day in the career of a planning officer

## Third day as a planning officer

Pass the buck to Building Control

2016



# Some lateral thinking

Germany

Sweden

**New property owner able to sue developer if energy performance of dwelling does not meet specific performance standard,  
... measured over first two years of occupation.**

Might help our house builders focus some energy on their  
customer satisfaction,  
which is notoriously poor.

# Solutions?

## Sustainable Development definition

- **In the project context – understand it for what it is**
- **Outside of projects**
  - drop the Sustainability Appraisal malarkey
  - initiate a proper Carbon Appraisal

## Skills or Structure

- **Now is the time to think through the issue properly**
- **Remit of Killean-Pretty was far too limited**

# Thank You