

# INNOVATION ECONOMY GROWTH

Fundamental frames for future economy  
by  
Claire Rose

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# CONTENTS

**Introduction**

**About the author**

**1**

**21st Century Economics: A new collaborative model. [Rose 2017]**

Mastering innovation led economic growth in a planetary economic context.

(Model first aired at the Ellen McArthur Foundation Disruptive Innovation Festival, November 2017. Thinkdif.org.)

**2**

**Engineering Reality. [Rose 2020]**

The application of engineering and innovation to real world problems, to engineer a new reality.

(First delivered as a public engagement lecture for the Being Human Festival, Lincoln, UK. November 2020. Beinghuman.org.)

**3**

**Corporate strategy for growth - a transformational innovation and technology investment approach. [Rose 2021/2024]**

Introducing a novel strategy model for innovation led growth.

New approaches to engineering strategic stretch growth for corporates.

**4**

**Sustainable innovation led growth of the firm. [Rose 2021]**

Sustainable transformation. Resource and collaborative sustainable innovation led corporate growth strategy for the continued growth of the firm.

**5**

**The Falmouth principles [Rose 2024]**

Foundations for the 'Real Economy'.

Principles from which to drive inclusive sustainable innovation led growth with a human core; building opportunity for all in the 'Real Economy'.

**Glossary**

**Further reading**

**Taxonomy of diagrams and models**

**Index**

## Introduction

This book describes a suite of models and frameworks on sustainable innovation led economic growth. The models have been built and tested across a ten year period, working in innovation and global economy. Their fundamental underpinning is equality of opportunity and building access to sustainable economic growth for all.

Internationally there has been a growing trend across this period to develop sustainable transitions (away from fossil fuels and toward green energy systems); and to develop inclusive economy (in which all human and planetary assets are valued).

In this book I describe five different frameworks, focused on sustainable innovation led economic growth and the sustainable innovation led growth of the firm:

- The new Collaborative Model for 21st Century Economy (2017) focuses on the potential for innovation led growth in missing middle economies; with a human core focus.
- Engineering Reality (2020) focuses on the potential of engineering and innovation to transform society and on the need for finance to enable change.
- Corporate Strategy for Growth (2021) focuses on innovation investment strategy and practice for competitive advantage in corporates.
- Sustainable Innovation (2021) focuses on sustainable innovation led growth of the firm; taking a resource based view of growth levers at a firm wide strategy level in a circular economy and strategic impact innovation environment.
- The Falmouth Principles (2024) describes a set of fundamental inclusive economy principles, which are core to generating inclusive sustainable human centred innovation led global economic growth.

The suite of work covers a development arc of some ten years of work and thinking on innovation, strategy, inclusion, investment and global growth. The forward aim is to build conditions and understanding for a new, inclusive, sustainable 'real global economy'. These articles show ways in which we can transform business and economic practice to deliver sustainable long term development and provide opportunities for all, through thoughtful practice and working together toward inclusive and sustainable global economic growth.

## About the author



## Biography

### Claire Rose

MBA ACIS FCIM FRSA MRi AssIET

is an experienced FTSE 100 Innovation ventures director and growth consultant based in Cambridge, UK.

Claire is past Industrial Research Fellow, Cambridge University, Institute for Manufacturing, UK, where her work was on open innovation in hard physical sciences and ICT.

She is an experienced NED, C suite advisor and FTSE 100 corporate lead. Career strategy value £1.5Tn.

Recipient of The Manufacturer Top 100 Award for Advocacy in Manufacturing.

Claire is also an experienced technology, startup and academic mentor: including mentoring for Durham University MBA, Cambridge University i-Teams, Paris HEC Covid Hackathon, Lincoln University/Barclays Eagle Lab Agritech Accelerator and UKTN Women in Innovation. Past Judge for the Everywoman, Women in Technology Awards.

Claire works internationally.

She is always open to connect and talk innovation.

<https://www.linkedin.com/in/claire-r-2882a510/>

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# TAXONOMY OF MODELS

## Taxonomy

### **21st Century economics - a new collaborative model. [Rose 2017]**

#### **Mastering innovation led economic growth in a planetary economic context.**

Fig 1. 21st Century economics: A new collaborative model. [Rose 2017]

Fig 2. Growing Economy - Value as a frame of reference. Value in planetary economics, innovation and human core leveraging the missing middle. [Rose 2017]

Fig 3. Value - Planetary economics and human core values. [Rose 2017]

Fig 4. Value - Innovation led growth and leveraging the missing middle. [Rose 2017]

### **Engineering reality. [Rose 2020]**

#### **The application of engineering and innovation to real world problems, to engineer a new reality.**

Fig 1. Engineering and finance for transformational change. [Rose 2020/2024]

Fig 2. Growing economy - value as a frame of reference. Value in planetary economics, innovation and human core leveraging the missing middle. [Rose 2017]

Fig 3. Values, innovation and sustainable economic growth. [Rose 2020]

### **Corporate strategy for growth - a transformational approach. [Rose 2021/2024]**

#### **Introducing a novel strategy model for innovation led growth in corporates.**

#### **New approaches to engineering strategic stretch growth for corporates.**

Fig 1. The technology curve. Strategic levers for corporate growth. [Rose 2021]

Fig 2. Strategic innovation led competitive advantage - building competitive advantage for growth and transformative technology platform strategies for impact. [Rose 2021/2024]

Fig 3. Strategic growth - levers, landscape and platforms. [Rose 2024]

Fig 4. Strategic capability led levers for growth of the firm. [Rose 2024]

Fig 5. Sourcing strategic capability for impact from external stakeholders - a process. [Rose 2021/2024]

## **Sustainable innovation led growth of the firm. [Rose 2021]**

**Sustainable transformation. Resource and collaborative sustainable innovation led corporate growth strategy for the continued growth of the firm.**

Fig 1. Factors for sustainable innovation led growth - Green growth - value in green innovation investment. [Rose 2021]

Fig 2. Values and sustainable innovation led growth. Generating sustainable global economic growth. Values plus innovation with the addition of green capital investment. [Rose 2021]

Fig 3. Sustainable innovation led growth of the firm, circularity, innovation and technology led growth, ecosystem and capabilities. Securing the sustainable growth of the firm. [Rose 2021]

## **The Falmouth principles**

### **Foundations of the 'Real Economy'**

**Principles from which to drive inclusive sustainable innovation led growth, with a human core; building opportunity for all in the 'Real Economy'.**

Fig 1. The Falmouth principles. [Rose 2024]



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'Fundamental frames' describes the gestation and development of a number of models on sustainable innovation led economic growth; built out of the need to build resilient economy with a human core.

The work resolves its self into a set of principles, designed to transform practice, in order to build a real and sustainable innovation led global economy.

About the author:

Claire Rose is an experienced strategy and development consultant based in Cambridge, UK. Her company [www.thedevelopmentspace.com](http://www.thedevelopmentspace.com) helps businesses tackle long term growth challenges in smart and sustainable ways.