

# Computational Modelling: Technological Futures

## Description

Council for Science and Technology & Government Office for Science, 2020. [Available as pdf](#) [Tweet](#)

Not the most thrilling/enticing title, but differently of interest. Chapter 3 provides a good overview of different ways of building models. Well worth a read, and definitely readable.

*Recommendation 2: Decision-makers need to be intelligent customers for models, and those that supply models should provide appropriate guidance to model users to support proper use and interpretation. This includes providing suitable model documentation detailing the model purpose, assumptions, sensitivities, and limitations, and evidence of appropriate quality assurance.*

# CONTENTS

---

FOREWORD	3
PREFACE	5
ACKNOWLEDGEMENTS	6
EXECUTIVE SUMMARY AND RECOMMENDATIONS	7
CHAPTER 1: WHY MODEL?	13
CHAPTER 2: MAKING AND USING MODELS	25
CHAPTER 3: MODELLING TECHNIQUES	37
CHAPTER 4: THE FUTURE OF MODELLING	49
CHAPTER 5: MODELLING IN PUBLIC POLICY	57
CHAPTER 6: MODELLING IN BUSINESS AND MANUFACTURING	73
CHAPTER 7: MODELLING CITIES AND INFRASTRUCTURE	81
CHAPTER 8: MODELLING IN FINANCE AND ECONOMICS	89
CHAPTER 9: MODELLING THE ENVIRONMENT	99
GLOSSARY	111

Chapters 1-3

**Category**

1. Uncategorized

**Date**

01/02/2026

**Date Created**

19/11/2020

**Author**

admin