



Chapter 1  
Introduction

## Chapter 2 Background

§2.1, §2.2  
Relevant Metrics

§2.3  
Datacenter  
Simulation

§2.4  
Terminology

§2.5  
Energy and  
CO<sub>2</sub> models

§2.6  
Multi-Model  
Simulation

## Chapter 3 Multi-Model

§3.2  
Requirements  
Analysis

§3.3  
Design Choices

§3.4  
Overview

§3.5  
Multi-Model  
Process

§3.6  
Window  
analysis

§3.7  
Requirements  
Addressal

## Chapter 4 Meta-Model

§4.2  
Requirements  
Analysis

§4.3  
Overview

§4.4  
Meta-Model  
Process

§4.5  
Accuracy

§4.6  
Meta-Functions

§4.7  
Requirements  
Addressal

## Chapter 4 Evaluation

§5.2  
OpenDC  
structure

§5.3  
Integration

§5.4  
Performance  
analysis

§5.5  
Validation

§5.6  
Use Cases

Chapter 5  
Conclusion