

Dynamic General Equilibrium Model for Climate Resilient Economic Development

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Outline

- 1 Economic Models and Climate Change
- 2 Model building steps
- 3 Introduction to Dynare
- 4 DGE–CRED Model
- 5 Model Simulation and Calibration

Outline

- 1 Economic Models and Climate Change
 - Motivation
 - Modeling Approach
 - Advantages of the Modeling Approach
 - Limitations of the Modeling Approach
 - Possible Applications

Outline

- 2 Model building steps
 - Definition of Scenarios
 - Identification of Climate Hazards
 - Calibration of Model Parameters

Outline

- 3 Introduction to Dynare
 - What is Dynare?
 - Implementing a Model in Dynare
 - Steady State in Dynare
 - Deterministic Simulations in Dynare
 - Remarks and Examples
 - Macro Processor

Outline

- 4 DGE–CRED Model
 - Introduction
 - Folder Structure
 - Demand
 - Production
 - Climate Variables
 - Aggregation and Identities

Outline

5 Model Simulation and Calibration