



UNIVERSITY OF MACAU

FACULTY OF SOCIAL SCIENCE AND HUMANITIES

**Interests & Interdependency
in Sino-EU Renewable Energy Cooperation**

By

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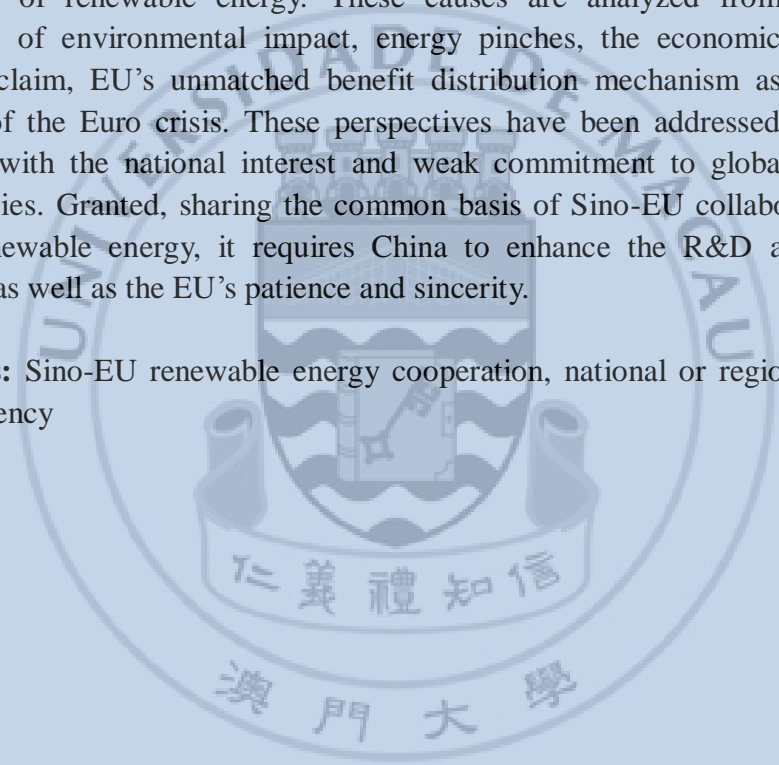
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ABSTRACT

The objective of this thesis is to analyze the interest conflicts and interdependency between China and EU in renewable energy cooperation. Drawing on the history of Sino-EU renewable energy cooperation, anomalies and contentious issues are highlighted to examine why a win-win situation between China and EU in the field of renewable energy cannot be reached. The causes' hypothesis postulates that a number of prominent national and regional interest contradictions and potential invisible waves led the cooperation formidable to continue a mutual trust to build up in the area of renewable energy. These causes are analyzed from the several perspectives of environmental impact, energy pinches, the economic benefit and diplomatic claim, EU's unmatched benefit distribution mechanism as well as the prevailing of the Euro crisis. These perspectives have been addressed as a tighten connection with the national interest and weak commitment to global accord and responsibilities. Granted, sharing the common basis of Sino-EU collaboration in the field of renewable energy, it requires China to enhance the R&D ability in RE technology as well as the EU's patience and sincerity.

Key Words: Sino-EU renewable energy cooperation, national or regional interests, interdependency



DECLARATION

I, Yan Yaxue, hereby states that this thesis is my own and original work, apart from the sections where origins are clearly stated. All the materials in this thesis have never been used (partially or wholly) in fulfilling the requirements for any degree or qualification in this or other universities prior to this submission.

Student's signature: Yan Yaxue

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List of Abbreviations

ASEM	Asia-Europe Meeting
BCSE	Business Council for Sustainable Energy
CAS	Chinese Academy of Sciences
CCC	Climate Change Capital and Carbon Finance
CECC	Clean Energy Commercialization Centre
ECSC	European Coal and Steel Community
ECFR	European Council on Foreign Relations
EdF	Electricite de France
EEC	European Economic Community
EEP	EU-China Energy & Environment Program
EPC	European Policy Centre
EU	European Union
GEEREF	Global Energy Efficiency and Renewable Energy Efficiency Fund
GDP	Gross Domestic Product
ICARE	China-EU Institute for Clean and Renewable Energy
IPCC	Intergovernmental Panel on Climate Change
IMET	Italian Ministry for the Environment and Territory
IPR	Intellectual property right protection
MOST	Energy and the Chinese Ministry of Science & Technology
NEA	National Energy Administration of China
NREL	National Renewable Energy Laboratory
NBE	National Bio Energy Co., Ltd.
RED	Sino-Danish Renewable Energy Development Program
R&D	Research and Development
RE	Renewable energy
PA	Priority Area
S&T	Energy and Science and Technology
TT	Technology Transfer
12th FYP	China's 12th Five-year plan