

## CONTENTS

About the author .....	1
Executive Summary .....	3
1. Policy and targets .....	5
Policy context .....	5
Regulatory, technological and economic challenges .....	6
Recent policy developments .....	8
Local policy development .....	15
2. Market development.....	18
Transport sector .....	21
Stationary and mobile FC applications .....	24
Hydrogen in the natural gas network .....	25
Industry .....	26
3. Hydrogen supply.....	27
Hydrogen production .....	27
Hydrogen from coal with CCUS .....	28
Industrial by-product hydrogen .....	29
The future of green hydrogen .....	29
Power-to-Gas projects.....	30
Conclusion .....	33
Annex 1: Power-to-Gas projects in China.....	34
Main Abbreviations .....	35
List of Figures, Tables and Boxes .....	37