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| <b>REFERENCE</b>            |   |
| <b>Title:</b>               | A Roadmap for U.S.-China Collaboration on Carbon Capture and Sequestration  |
| <b>Date:</b>                | Nov 2009  |
| <b>Author:</b>              | Asia Society; Monitor Group; Center for American Progress   |
| <b>Funded by:</b>           |   |
| <b>Hard copy reference:</b> |   |
| <b>URL:</b>                 | <a href="http://asiasociety.org/files/pdf/AS_CCS_TaskForceReport.pdf">http://asiasociety.org/files/pdf/AS_CCS_TaskForceReport.pdf</a> |
| <b>Date accessed:</b>       |   |
| <b>Web Format:</b>          |   |
| <b>IEA topics covered</b>   | CCS   |
| <b>Geographical focus:</b>  | China   |
| <b>Brief Abstract:</b>      | Provides the framework for collaboration between US and China for research and deployment of CCS.                                     |

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| <b>OUTPUTS</b>                                 |     |
| <b>Short Report?</b>                           | yes |
| <b>Major report?</b>                           |     |
| <b>Visualisations?</b>                         |     |
| <b>Information held on dedicated software?</b> |     |
| <b>- which package?</b>                        |     |

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| <b>ARCHITECTURE</b>                         |  |
| <b>Timescales used:</b>                     | 2009-2020  |
| <b>Trends and drivers?</b>                  | yes  |
| <b>- list</b>                               | Collaboration; job creation; cost reduction; risk-sharing;                                     |
| <b>Enablers?</b>                            | yes  |
| <b>- list</b>                               | Cost-sharing project development collaboration projects; knowledge transfer between countries; |
| <b>Performance measures/targets?</b>        | no   |
| <b>- list areas</b>                         |  |
| <b>Mapping of RD&amp;D activities?</b>      | no   |
| <b>Critical assessment of capabilities?</b> | no   |

|                       |     |
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| <b>PROCESS</b>        |     |
| <b>Methods used:</b>  |     |
| <b>- Desk study?</b>  | yes |
| <b>- Consultation</b> | yes |
| <b>- Interviews?</b>  | yes |

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| <b>- Facilitated workshop(s)</b>         | yes |
| <b>- Working groups/task force</b>       | Yes |
| <b>- Integrated Process</b>              | yes |
| <b>Stakeholders engaged:</b>             |     |
| <b>- University based researchers</b>    | yes |
| <b>- Other public sector researchers</b> | yes |
| <b>- Business – technology</b>           | yes |
| <b>- Business – other</b>                |     |
| <b>- Government - energy</b>             | yes |
| <b>- Government – SET</b>                |     |
| <b>- Government - other</b>              | yes |
| <b>- NGOs</b>                            |     |
| <b>No of people engaged:</b>             |     |
| <b>Budget (if known):</b>                |     |
| <b>Commitment to re-visit?</b>           | no  |

|   |  |
|---|--|
| <b>ACTIONS IDENTIFIED</b>                     |  |
| <b>List of actions?</b>                       | yes  |
| <b>Actions listed according to timescale?</b> | no   |
| <b>Actions prioritised?</b>                   | no   |
| <b>Sequencing/dependencies identified?</b>    | no   |
| <b>Responsibility for actions identified?</b> | no   |
| <b>Types of actions identified:</b>           |  |
| <b>- Basic research?</b>                      | yes  |
| <b>- list areas</b>                           | Cost reduction;workable funding models;policy, legal framework and operational practice; retrofit research |
| <b>- Applied research?</b>                    | yes  |
| <b>- list areas</b>                           | China’s research in pure stream CO2  |
| <b>- Development &amp; demonstration</b>      | yes  |
| <b>- list areas?</b>                          | Potential of collaboration for 5 demonstration projects in 5 years, in china.                              |
| <b>- Other types of action?</b>               |  |
| <b>- list other types</b>                     |  |

This Roadmap Characterisation was compiled by Samantha Quinn of the University of Edinburgh in April 2014

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