

# UK-SEA Partnerships and Exchanges Baseline Research (UK-SEA PEER)



November 2021

## About PEER

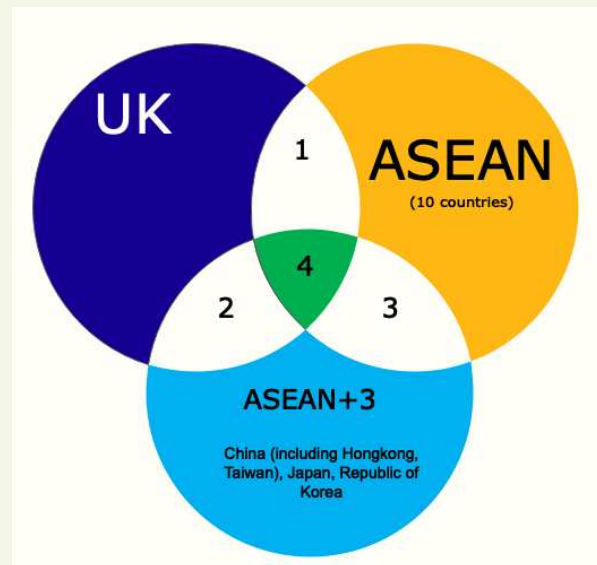
WP: Work Package; HE: Higher Education  
VET: Vocational Education and Training  
STEM: Science, Technology, Engineering and Mathematics  
HSS: Humanities and Social Sciences

Study: Bilateral and multilateral partnerships 2010-2021

Duration: 18 months

Team: 10 in the UK and 10 in Asia

Research sites: the UK and 15 East Asian countries and territories



## Inclusivity in UK-EA Research and Innovation Partnerships

Asian and British partners jointly play the leading role in key aspects of research

66%

Jointly be the lead author of key academic publications

68%

Jointly Identify new research themes

83%

Jointly hold Intellectual Property Rights

62%

Jointly conduct empirical study if required

71%

Jointly design the project

85%

Jointly decide on Knowledge Transfer plans

61%

Jointly register/own a patent

73%

Jointly decide on methodology

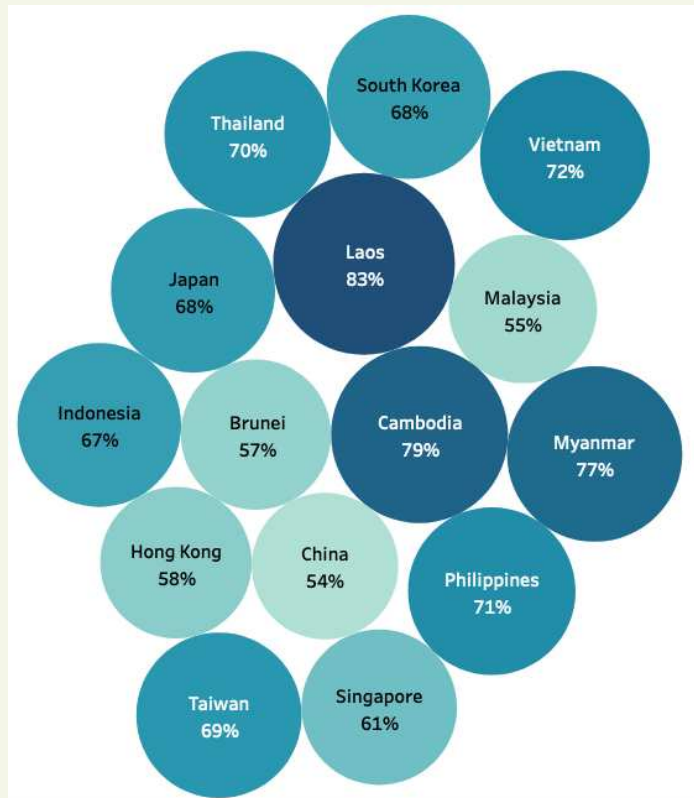
86%

Jointly select publication outlets

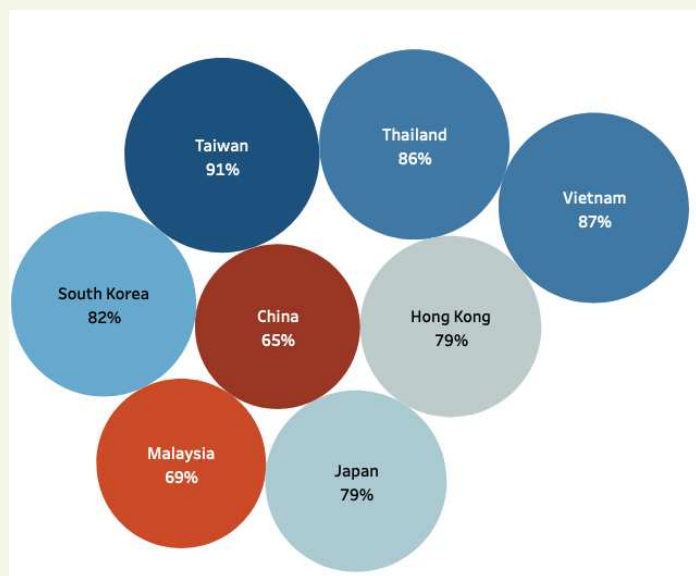
# Open Access: Inclusivity vs. Exclusivity

Over 50% of all UK-East Asia co-authored research papers published open access

incl. Gold Open, Hybrid Gold, Bronze and Green (Scopus, 2010-2020)

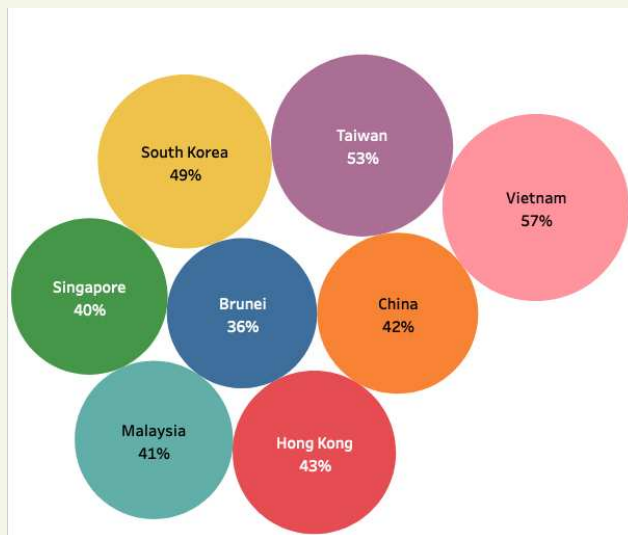


In Physics and Astronomy, the majority of UK-EA co-authored papers published open access (Scopus, 2010-2020)



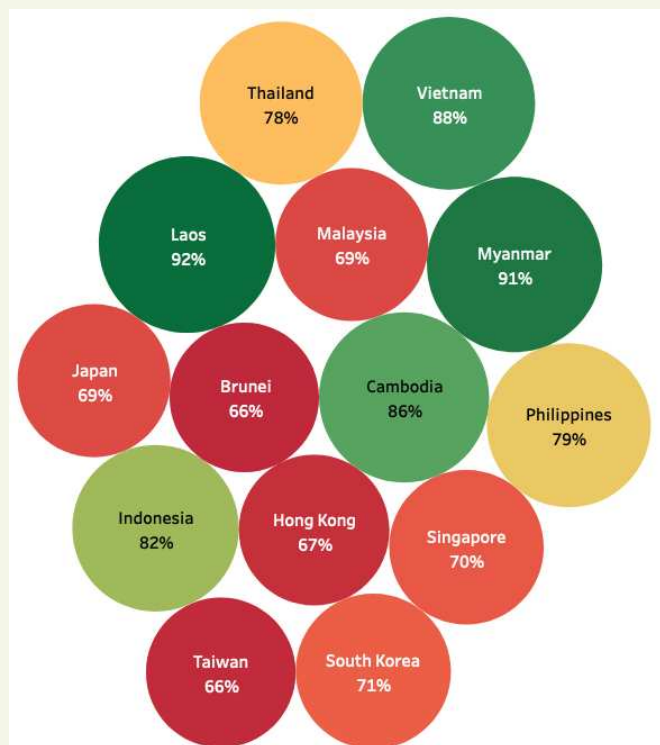
In Engineering, between 36% and 57% of all UK-East Asia co-authored research papers published open access

(Scopus, 2010-2020)

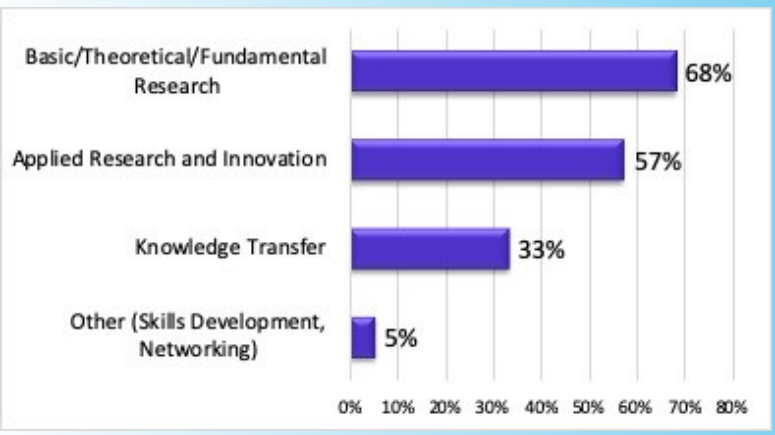


In Medicine, between 66% and 92% of all UK-East Asia co-authored research papers published open access

(Scopus, 2010-2020)



# Primary purposes and main activities

































Source: PEER Survey, Oct 2021

# Top 5 reasons for the inclusion of an ODA country in a UK-EA research partnership

- ★ Significant societal impact on the Asian ODA country
- ★ Research interest of the Principal Investigator
- ★ Requirements of the main funder
- ★ Unique access to research sites
- ★ Enhance research profile of the Asian team in the ODA country

# £ Top funders for UK-EA research and innovation partnerships

UK Research and Innovation (UKRI) UK Natural Environment Research Council	 	Universiti Brunei Darussalam Ministry of Health, Brunei	UK Wellcome Trust UK Medical Research Council UKRI	 	
UK RI UK Medical Research Council UK Wellcome Trust	 	Kementerian Riset Teknologi Dan Pendidikan Tinggi Republik Indonesia Direktorat Jenderal Pendidikan Tinggi	UK Wellcome Trust, UKRI UK Medical Research Council	 	National Research Foundation Singapore Ministry of Education - Singapore
UK RI UK Science and Technology Facilities Council	 	Ministry of Higher Education, Malaysia Universiti Malaya Universiti Teknologi Malaysia	UK RI UK Engineering and Physical Sciences Research Council UK Medical Research Council	 	Agency for Science, Technology and Research
UK Wellcome Trust, UKRI UK Medical Research Council	 	National Institutes of Health The European Commission	UK RI UK Science and Technology Facilities Council UK Wellcome Trust	 	Thailand Research Fund Institute for the Promotion of Teaching Science and Technology Thailand Centre of Excellence in Physics
UK RI, European Commission UK Science and Technology Facilities Council	 	University of the Philippines Department of Science and Technology, the Philippines Philippine Council for Health Research and Development	UK Science and Technology Facilities Council UKRI, Wellcome Trust	 	National Foundation for Science and Technology Development Vietnam Academy of Science and Technology Ministry of Education and Training
UKRI Engineering and Physical Sciences Research Council UK Science and Technology Facilities Council	 	National Natural Science Foundation of China Ministry of Science and Technology, China Ministry of Education, China	UKRI UK Science and Technology Facilities Council Engineering and Physical Sciences Research Council	 	Japan Society for the Promotion of Science Ministry of Education, Culture, Sports, Science and Technology, Japan Science and Technology Agency
UK Science and Technology Facilities Council UKRI Engineering and Physical Sciences Research Council	 	National Research Foundation of Korea Ministry of Science, ICT and Future Planning Ministry of Education, Science and Technology	UK RI Science and Technology Facilities Council Engineering and Physical Sciences Research Council	 	National Natural Science Foundation of China Research Grants Council, University Grants Committee Chinese Academy of Sciences
Science and Technology Facilities Council UK RI, Royal Society	 	Ministry of Science and Technology, Taiwan Academia Sinica			

Source: Scopus data, as of August 2021