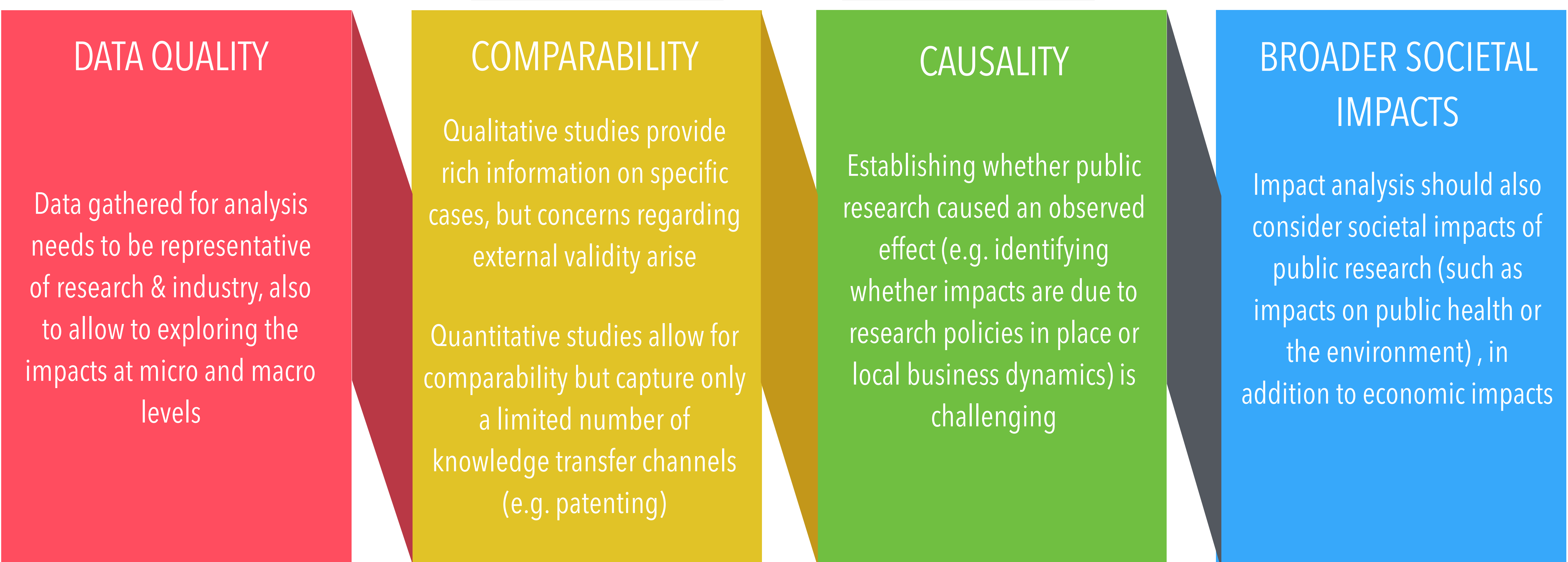
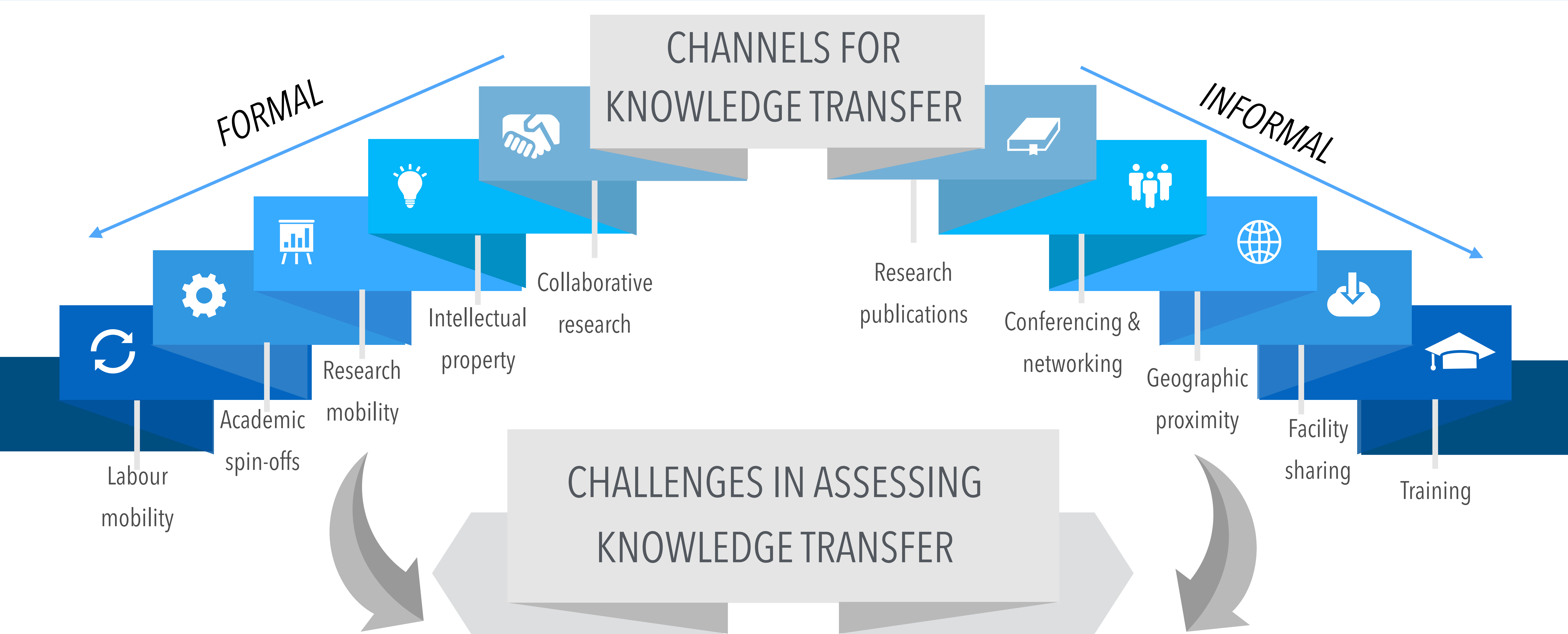


HOW TO ASSESS THE IMPACTS OF KNOWLEDGE TRANSFER ON INNOVATION?



DATA SOURCES FOR THE ASSESSMENT			
	Knowledge transfer channels analyzed	Advantages	Drawbacks
Publications data	Collaborative research	<ul style="list-style-type: none">• Availability of comprehensive, long-term & internationally comparable data	<ul style="list-style-type: none">• Industry-research co-publications capture only a small share of collaborative research
Patent data	Collaborative research (co-patenting) & informal linkages (citations to non-patent literature)	<ul style="list-style-type: none">• Availability of comprehensive, long-term & internationally comparable data	<ul style="list-style-type: none">• Rates of patenting differ across fields• Co-patents only capture a small share of collaborative research
Labour force surveys	Labour mobility	<ul style="list-style-type: none">• Representative samples of total labour force across countries, conducted regularly across countries• Captures contributions of all sciences to industry innovation	<ul style="list-style-type: none">• Only capture the flow of human capital from university to industry• Sometimes do not allow assessing individuals' contribution to innovation
Surveys & case studies	All channels	<ul style="list-style-type: none">• Allow gathering rich information on industry-science relations• Allow studying specific science disciplines & industry sectors	<ul style="list-style-type: none">• Costly to implement at large scale• Often confined to specific examples, limiting representativeness