

	Dimension	Indicator	Question	Scoring
1	Psychometric	Familiarity	Does the proposal use any materials which might be considered unfamiliar?	Y=0 N=1 No data=X
1b			Please explain the reasons for your choice	<i>Open-ended</i>
2	Psychometric	Voluntariness	Will members of the public be involved in decisions to deploy?	Y=1 N=0 No data=X
2b			Please explain the reasons for your choice, including how you have defined 'the public'	<i>Open-ended</i>
3	Psychometric	Observability	Does the proposal involve visible infrastructure at large scale, visible land-use changes, or create aesthetic impacts?	Y=0 N=1 No data=X
3b			Please explain the reasons for your choice	<i>Open-ended</i>
4	Psychometric	Catastrophic potential	Does the proposal have any risk (even small) of catastrophic impacts (i.e. involving or causing a sudden disaster), or risk to life?	Y=0 N=1 No data=X
4b			Please explain the reasons for your choice, including how you have defined 'catastrophic' in relation to your specific proposal or area of study	<i>Open-ended</i>
5	Inflexibility	Capital intensity	Does your innovation require large amounts of capital investment and/or capital cost subsidy?	Y=0 N=1 No data=X
5b			Please explain the reasons for your choice	<i>Open-ended</i>
6	Inflexibility	Lead times	Does the proposal require new infrastructure or substantial changes to existing infrastructure with a long lead time?	Y=0 N=1 No data=X
6b			Please explain the reasons for your choice	<i>Open-ended</i>
7	Inflexibility	Irreversibility	Does the proposal release material into the environment?	Y=0 N=1 No data=X
7b			Please explain the reasons for your choice	<i>Open-ended</i>
8	Inflexibility	Co-benefits	Does the proposal have a narrow focus on a single mission, for example to remove GHGs?	Y=0 N=1 No data=X
8b			Please explain the reasons for your choice	<i>Open-ended</i>
9	Responsibility	Distribution of risks	Are the risks of the proposal shared equitably amongst affected parties?	Y=1 N=0 No data=X
9b			Please explain the reasons for your choice, including how you have defined 'affected parties'	<i>Open-ended</i>
10	Responsibility	Distribution of benefits	Are the benefits, including co-benefits, shared equitably amongst the affected parties?	Y=1 N=0 No data=X

10b			Please explain the reasons for your choice, including definition of 'affected parties'	<i>Open-ended</i>
11	Responsibility	Procedural justice	Are members of the public involved in shaping the research, development, demonstration and deployment of the project?	Y=1 N=0 No data=X
11b			Please explain the reasons for your choice, including how you have defined 'the public'	<i>Open-ended</i>
12	Responsibility	Naturalness	Might the processes involved be perceived by communities or the general public as 'unnatural'?	Y=0 N=1 No data=X
12b			Please explain the reasons for your choice	<i>Open-ended</i>
13	Socio-cultural	Who benefits?	What is the primary benefit of the project? A) meets government targets and regulations; B) generates wealth; C) creates environmental co-benefits	A, B, C No data=X
13b			Please explain the reasons for your choice	<i>Open-ended</i>
14	Socio-cultural	Who implements?	Who would most likely be the main actor involved in implementing this proposal if upscaled? A) government; B) private companies; C) local communities	A, B, C No data=X
14b			Please explain the reasons for your choice	<i>Open-ended</i>
15	Socio-cultural	Who loses?	Who is most at risk in the event of failure? A) public/state institutions; B) market actors (investors, profit-making entities); C) local or indigenous communities, or the environment	A, B, C No data=X
15b			Please explain the reasons for your choice, including how you have defined 'failure'	<i>Open-ended</i>
16	Socio-cultural	How fast?	On what timescale would the project be ready for deployment at scale? A) Longer-term; B) When the proposal is ready for market; C) Very soon	A, B, C No data=X
16b			Please explain the reasons for your choice	<i>Open-ended</i>
17	Socio-cultural	What infrastructure?	What sorts of infrastructure, physical assets or physical changes would be involved? A) Long-lasting; B) Rapidly replaceable; C) Landscape-enhancing	A, B, C No data=X
17b			Please explain the reasons for your choice	<i>Open-ended</i>