

Appendix B. eDelphi second stage questions

Question 1/6: Signs of weak signals in general

Answers of the first stage question 1/6 (*What criteria could be used for identifying possible future changes? What kind of signs or signals of change would capture your attention when exploring information?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below.

	Sustainable development	Sustainability	Strategies and policies	Technology	Trends
Number of references	6	7	5	2	3

Considering this summary and other information, how can weak signals of change be identified through indicators or evidence we have in present?

Second stage Question 1: In general, what evidence or indicators could be used for identifying possible weak signals of change? What kind of signs or pieces of evidence of weak signals would capture your attention when used for identifying possible weak signals of change?

Question 2/6: Signs of weak signals affecting the future forest bioeconomy

Answers of the first stage question 2/6 (*What criteria could be used for identifying possible future changes that may affect the forest bioeconomy?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below.

	Carbon	Climate change	Forest resources	Technology	Use of forests
Number of references	4	3	3	2	8

Considering this summary and other information, how can weak signals that may affect the future forest bioeconomy be identified?

Second stage Question 2: What evidence or indicators could be used for identifying possible weak signals of change that may affect the future forest bioeconomy?

Question 3/6: Sources of weak signals in general

Answers of the first stage question 3/6 (*Where do the possible future changes appear in the present? What are some channels, platforms, or sources of information where possible future changes may be identified?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below

	Media	Political debate	Research	Social media	Web discussion
Number of references	7	3	4	5	2

Considering this summary and other information, what sources are likely to be useful for identification of weak signals?

Second stage Question 3: In general, where do weak signals of change appear first? What are some channels, platforms, or sources of information where weak signals of change can be identified?

Question 4/6: Sources of weak signals affecting the future forest bioeconomy

Answers of the first stage question 4/6 (*Where do the possible future changes that may affect the forest bioeconomy appear in the present? What are some channels, platforms, or sources of information where those possible future changes may be identified?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below.

	Climate change	EU commission	History and past development	Same answers as in question 3/6	Technology
Number of references	2	2	2	5	2

Considering this summary and other information, what sources are likely to be useful for identification of weak signals that may affect the future forest bioeconomy?

Second stage Question 4: What are some channels, platforms, or sources of information where weak signals of change affecting the future forest bioeconomy can be identified?

Question 5/6: Features and characteristics of weak signals in general

Answers of the first stage question 5/6 (*What do you think what might be some key features and characteristics of future changes?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below.

	Bioeconomy	Climate change	Cross-sectoral	Diversity	Sustainability
Number of references	5	3	2	2	3

Considering this summary and other information, what is the nature of weak signals in general?

Second stage Question 5: What do you think what might be some key features and characteristics of weak signals in general? (not forest specific)

Question 6/6: Features and characteristics of weak signals affecting the future forest bioeconomy

Answers of the first stage question 6/6 (*What features or characteristics may those possible future changes have that may influence the forest bioeconomy?*) were categorized using NVIVO qualitative data analysis software. The most referred topics and their frequencies are presented below.

	Climate change	Energy	European Union	Use of forests	Sustainability
Number of references	3	2	3	5	3

Considering this summary and other information, what is the nature of weak signals that may affect the future forest bioeconomy?

Second stage Question 6: What are the features or characteristics of possible weak signals of change that may influence the future forest bioeconomy?