1 **Supplementary Material**

2 **1. Case Study Interview Guidelines with Makers**

3 **A. ABOUT MAKERS**

4   1. Can you tell me a bit about your personal trajectory/history of how you became a Maker?

5   2. Why did you decide to join the lab/Maker space/Maker Faire?

6   3. What kind of activities do you do in that lab/Maker space/Maker Faire?

7   4. How do you develop your skills and competences as a Maker? Can you describe your learning journey?

8   5. Do you experience that Makers learn from each other and share their knowledge? How would you
9   describe the learning process in your lab/Maker space/Maker Faire? Can you give some examples?

10   6. Do you have contact with other Makers? To what extent do you feel part of a Maker community?

11   7. How important is openness for you? And how does it related to your activities as a Maker? What does
12   e.g. open source mean in your context?

13 **B. ABOUT MAKER SPACES**

14   8. What kind of engagement and participation modalities are offered in your Maker community? Do you
15   miss anything? Any offers that you would like to see in the future?

16   9. In what way do you see the lab/Maker space/Maker Faire contributing to a change in production,
17   logistics and supply chains? Can you describe some examples?

18   10. What is the optimal mix of activities in virtual and physical spaces to stimulate the production and
19   sharing of knowledge?

20   11. Did you have to deal with any ethical dilemmas as a Maker yourself or did you experience it within
21   your community? How were you dealing with it?

22 **C. CREATING VALUE/IMPACT**

23   12. Do you have any social ambitions and/or commercial ambitions? Could you describe them a bit?

24   13. In case there is commercial ambition: how do you generate revenue as a Maker? Do you e.g. use any
25   online platforms as a marketplace to sell your products?

26   14. Do you see any environmental impact of your work in the lab/Maker space/Maker fair?

27   15. Is privacy and data protection an issue for you and in what ways?

28   16. Have you (or your Maker group) been approached by companies for some sort of collaboration?

29   17. Do you have experience with any regional/national or European norms and regulations? Did these
30   norms and regulations stimulate or hamper your activities as a Maker? Any examples?

31   18. Would you like to add something that you missed in the questions?

32   **2. Case Study Interview Guidelines with Makerspace Manager(s)**

33   **A. Organisation**

34   1. Please describe briefly the history of your lab/Maker space/Maker Faire? How was it set up?

35   2. What is the vision and main goals of the lab/Maker space/Maker Faire?

36   3. Please describe briefly the history of your lab/Maker space/Maker Faire? How was it set up?

37   4. What is the vision and main goals of the lab/Maker space/Maker Faire?

38   5. What are your organisational structures and the decision making processes in your lab/Maker
39   space/Maker Faire? (rules, coordination, agreements, etc. - they might be formal as well as informal)

40   6. What business model does the lab/Maker space/Maker Faire employ? (sources of income, services
41   for a fee, membership fees, educational offerings etc.)

42   7. Do any norms or regulations such as intellectual property, health or safety regulations on local,
43   regional, national or European level hamper or stimulate the development of your lab/Maker fair?

44   8. Do you have opportunities to influence such policies and regulations?

45   9. What is the role of openness and sharing <u>in your lab/Maker space/Maker Faire</u>?

46   10. What is the role of openness and sharing in your collaborations with <u>external</u> organisations (e.g.
47   companies, CSOs)? Have you experienced moments where your collaborations were in conflict with
48   your attitude towards open source?

49   11. Can you think of any examples related to privacy and data protection in your lab/Maker space/Maker?

50   12. Is there a gender balance in your case? If not, what might be the reasons? Are there any measures to
51   promote gender equality? Can you recommend female Makers for an interview?

52   **B. Peer & Collaborative Behaviours**

53   13. What are the motivations that drive people to come to your lab/Maker space/Maker fair? Can you
54   mention some of their most prominent activities? What do you know about the people who leave the
55   lab/Maker space/Maker fair?

56   14. Can you mention some engagement activities (courses, competitions, showcasing ...) that worked very
57   well and others that didn't work?

58   15. Do you experience that Makers learn from each other? Can you tell whether they influence each
59   other? Can you provide some examples? (collaborative learning)

60   16. Are you aware of Makers with social ambitions and/or commercial ambitions in your lab? If so, can
61   you name cases we can contact?

62   17. Does the lab/Maker space/Maker Faire stimulate commercialisation of products by its members?

63   **C. Value Creation & Impact**

64 18. What is the economic impact or economic potential of your Maker community in your region? E.g. job
65 creation, start-ups, etc.

66 19. Do you know any Makers that have been contacted by companies?

67 20. What do you think is the social value in the lab/Maker space/Maker Faire (e.g. Democratization of
68 access to technology, Education, Empowerment, Inclusion, Public engagement through mobile Fab
69 Labs / other dissemination activities)

70 21. Are you actively approaching target groups of marginalised or vulnerable persons – such as migrants,
71 children, disabled or refugees?

72 22. Can you think of any environmental impacts of your Maker community? e.g.

73 a) Which materials do you provide (reusable, biodegradable)?

74 b) Transport (e.g. consider online 3d printing) do you know Makers who produce stuff that would have
75 to be shipped otherwise)

76 c) Energy efficiency of equipment; Waste managemen

77 23. Would you like to add something that you missed in the questions?