**Towards integration? Considering social aspects with large-scale computational models for nature-based solutions**

**Supplementary Information**

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| **Field of inquiry** | **Interview questions** | | |
| *IAM modellers* | *NbS/topical experts* | *Methodology experts* |
| Background information | What is your current position? | What is your current position? | What is your current position? |
| Years of relevant experience? | Years of relevant experience? | Years of relevant experience? |
| Examples of relevant projects/experiences? | Examples of relevant projects/experiences? | Examples of relevant projects/experiences? |
| Which large-scale models/IAMs do you work with? | What kind of models do you usually use in your research activities? | What kind of models do you usually use in your research activities? |
| Purpose of large-scale models/IAMs? For NbS? | What is the purpose of the models that you use? | What is the purpose of the models that you use? |
|  | Do you work with large-scale models/IAMs? How do they interact with the other models you previously mentioned? | Do you work with large-scale models/IAMs? How do they interact with the other models you previously mentioned? |
|  | Purpose of these types of models? For NbS? | Purpose of large-scale models/IAMs? |
| Role of social preferences | What role does social preferences have in NbS? | What role does social preferences have in NbS? | What role does social preferences have in the topics that you have been researching? |
| How do you rate the significance of considering social preference in NbS compared to other dimensions/aspects in your research? | How do you rate the significance of considering social preference in NbS compared to other dimensions/aspects in your research? | How do you rate the significance of considering social preference compared to other dimensions/aspects in your research? |
| How are you (or other work you're familiar with) including social preferences in your research? What's the purpose/value? | How are you (or other work you're familiar with) including social preferences in your research? What's the purpose/value? | How are you (or other work you're familiar with) including social preferences in your research? What's the purpose/value? |
| Is this approach sufficient or sub-optimal? What would be the ideal approach? | Is this approach sufficient or sub-optimal? What would be the ideal approach? | Is this approach sufficient or sub-optimal? What would be the ideal approach? |
| Engaging with actors/stakeholders | How do you engage with people/stakeholders as a source of information? | How do you engage with people/stakeholders as a source of information? | How do you engage with people/stakeholders as a source of information? |
|  | How ready are they to provide the information that you require? | How ready are they to provide the information that you require? | How ready are they to provide the information that you require? |
|  | What would be needed to allow you elicit the required information from stakeholders? Specific methods? | What would be needed to allow you elicit the required information from stakeholders? Specific methods? | What would be needed to allow you elicit the required information from stakeholders? Specific methods? |
|  | In your experience, to what extent does the information obtained from stakeholders get adopted/incorporated into your research work? | In your experience, to what extent does the information obtained from stakeholders get adopted/incorporated into your research work? | In your experience, to what extent does the information obtained from stakeholders get adopted/incorporated into your research work? |
| Integration into modelling process | Can you describe how the models that you use utilize/assess/consider social preference related issues/information? | Can you describe how the models that you use utilize/assess/consider social preference related issues/information? | Can you describe how the models that you use utilize/assess/consider social preference related issues/information? |
|  | Is social preference a formalized element in your model (i.e. part of equation or parameter)? If yes, please describe | Is social preference a formalized element in your model (i.e. part of equation or parameter)? If yes, please describe | Is social preference a formalized element in your model (i.e. part of equation or parameter)? If yes, please describe |
|  | If not, how are you still incorporating social preference in your use of the model? | If not, how are you still incorporating social preference in your use of the model? | If not, can social preference still be incorporated in your use of the model? |
|  | Is this approach sufficient or sub-optimal? What would be the ideal approach? | Is this approach sufficient or sub-optimal? What would be the ideal approach? | Is this approach sufficient or sub-optimal? What would be the ideal approach? |