SiEUGreen
Sino-European innovative green
and smart cities

D8.1 H – Requirement No.1

NMBU

SiEUGreen

Throughout SiEUGreen's implementation, EU and China will share technologies and experiences, thus contributing to the future developments of urban agriculture and urban resilience in both continents.

The project SiEUGreen aspires to enhance the EU-China cooperation in promoting urban agriculture for food security, resource efficiency and smart, resilient cities.

The project contributes to the preparation, deployment and evaluation of showcases in 5 selected European and Chinese urban and peri-urban areas: a previous hospital site in Norway, community gardens in Denmark, previously unused municipal areas with dense refugee population in Turkey, big urban community farms in Beijing and new green urban development in Changsha Central China.

A sustainable business model allowing SiEUGreen to live beyond the project period is planned by joining forces of private investors, governmental policy makers, communities of citizens, academia and technology providers.

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1.0	23.03.2018	Draft	Circulation of the 1st DRAFT version to all partners for comments (1st level check)	NMBU
1.1	27.03.2018	Draft	Circulation of 2nd version for final review (2nd level check)	NMBU
1.2	30.03.2018	Final	3rd level check – Ready for submission	NMBU

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1 Executive summary

The SiEUGreen project brings together a multi-disciplinary consortium of European and Chinese researchers, technology providers, SMEs, financiers, local and regional authorities and resident communities, in order to apply novel urban agricultural techniques and new approaches for social engagement and investigate the economic, environmental and social benefits of urban agriculture. The SiEUGreen project will also incorporate elements of digital Social innovation, by enhancing resident participation and awareness raising through a gamification app's and an interactive platform. This will facilitate the collection of important human data linked to the social and cultural changes expected to be generated at each of the local communities and at an international level by the implementation of the SiEUGreen showcases. In the SiEUGreen project is there is close interaction with the community therefore the ethical aspects are particularly important. The SiEUGreen consortium has analyzed the potential ethical considerations to be taken into account. The Pre- Grant "Ethics Summary report" identified the following ethical requirements that the SiEUGreen must comply with:

1.   Humans (H) - Requirement No. 1- Details on the procedures and criteria that will be used to identify/recruit research participants must be provided (**D8.1**).

2.   Humans (H) - Requirement No. 2- Detailed information must be provided on the informed consent procedures that will be implemented for the participation of humans (**D8.2**).

3.   Humans (H) - Requirement No. 3- Templates of the informed consent forms and information sheet must be submitted on request (**D8.3**).

4.   Protection of Personal Data (POPD) Requirement No. 4 - Detailed information must be provided on the procedures that will be implemented for data collection, storage, protection, retention and destruction and confirmation that they comply with national and EU legislation (**D8.4**).

5.   Protection of Personal Data (POPD) - Requirement No. 5 - Detailed information on the informed consent procedures that will be implemented in regard to the collection, storage and protection of personal data must be submitted on request (**D8.5**).

6.   Non-EU-Countries (NEC)- Requirement No. 7 - The applicant must provide details on the material which will be imported to/exported from EU and provide the adequate

authorizations (if applicable). In case personal data are exported from the EU/Norway to the PR China, copies of EU Model Clause Contracts must be submitted (**D 8.6**).

This deliverable (**D8.1**) set's out the basic ethical procedure in order to follow the ethic requirement 1. The deliverables provides details on the procedure and criteria that will be used to identify/recruit research participants in SiEUGreen. In Section 3 the related work package tasks that will involve human participants are detailed and participants who will be contacted to join the research project are categorized. In section 4 the procedure and criteria that will be followed to recruit the human participation in the project are provided.

2   Introduction

The SiEUGreen project brings together a multi-disciplinary consortium of European and Chinese researchers, technology providers, SMEs, financiers, local and regional authorities and resident communities, in order to apply novel urban agricultural (UA) techniques and new approaches for social engagement and investigate the economic, environmental and social benefits of urban agriculture. SiEUGreen aspires to enhance the EU-China cooperation in promoting UA for food security, resource efficiency and smart, resilient cities through the development of showcases in selected European and Chinese urban and peri-urban areas. Throughout the implementation of the SiEUGreen project, EU and China will share technologies and experiences and will generate ground-breaking multidisciplinary demonstration cases, thus contributing to the future developments of UA. Since relation with the community is at the forefront of SiEUgreen project the ethical aspects are important. Each researcher and the participating institutions have, therefore, the obligation to follow the ethical standards and guidelines of Horizon 2020 regardless of the country in which the research is carried out.

NMBU, as coordinator of SiEUGreen will adopt both the European Commission (EC) (European Union 2018a; European Commission 2018b .), the Norwegian ethical guidelines developed by the National Research Ethics Committees (NESH 2016.), and the ethical guidelines of NMBU (NMBU 2015.). All ethical issues that this project may be exposed to, will be handled by the appropriate partners in their home countries with the local ethical committees. In cases where national guidelines differ from EC Guidelines, EC Guidelines will be adopted unless national guidelines are more restrictive. Country-specific ethical guidelines regarding data protection; particularly for non-Eu countries Turkey and China, are detailed in Deliverable 8.4. NMBU will use both online meetings and in person workshops to remind all the partners of the need to adhere to these ethics requirements.

The present deliverable (D8.1) includes information regarding the procedures and criteria that will be used identify and recruit the research participants.

2.1   Audience of the document

This report provides an internal record for the project itself and all consortium members, external expert advisory board and the Project Officer to be able to refer to and understand what ethical issues are in place. These ethical guidelines are provided to all the researchers and research assistants involved in the project.

3   Tasks implicated for ethic review

In the SiEUGreen project, some of the planned activities include the direct involvement of human participants in the process of the collection of data. The data collection are mainly focused in the showcase countries; Denmark, Norway, Turkey and China. The relevant tasks that we foresee that has ethical implication are:

Task 1.1 Mapping the current landscape of UA showing the interaction between agriculture and the urban sphere (Leader-Nordregio, Sweden)

Task 1.2 Baseline study on land use in EU and China (Leader-Nordregio, Sweden)

Task 1.3 Assessment of tools to measure the social and economic benefits and costs of UA (Leader-Nordregio, Sweden)

Task 1.4 Development of engagement strategies for: individual residents, local communities, international actors (Leader-Nordregio, Sweden)

Task 2.1 Development and benchmarking of urban agricultural systems (Leader-NIBIO, Norway)

Task 2.3 Cultural adaptation of technology in circular economy (Leader-NIBIO, Norway)

Task 3.1 Requirement setting, benchmarking of local conditions and planning of the showcases at technology and social level (Leader-VILABS, Greece)

Task 3.2 Showcase deployment (Leader-VILABS, Greece)

Task 3.3 Benchmarking and impact assessment (Leader-NIBIO, Norway)

Task 4.2 Creation of a high-level Board consisting of technology experts, policy makers in European and Chinese municipalities, social-economists (Leader-NIBIO, Norway)

Task 5.2 Development of exploitation and scaling plans for each of the 5 showcases (Leader-CREVIS, Belgium)

Task 5.4 Elaborating Scenarios for the future of UA ((Leader-EMETRIS, Greece)

Task 6.2 Development of promotional and knowledge exchange web platform and app (Leader-Okys, Bulgaria)

The research ethics are applicable at task level. The task leader will be responsible to follow appropriate ethical procedure.

4 Identifying/Recruitment of research participants

4.1 Identification of research participants

Online interaction using groupware:

Customized IT software will be developed for SiEUGreen mainly for social engagement reasons. COMMURBAN tool will encourage users to contribute their Do it Yourself (DIY) ideas and insights regarding the use of energy effective technologies at real urban and peri-urban environments., which will result in a collection of ideas which can inspire and intrigue other users to follow, spreading the idea of using such approaches in urban environments. Furthermore, users that followed a project will be encouraged to state it in their profile which will provide insights on the type of projects users decided to implement.

Face to face interaction

Interaction with relevant stakeholders will be carried out via tools such as: workshops, interviews, storytelling, focus groups, document analyses, participant observation and surveys to target different interest groups at different levels of decision making at individual/household, local/village, township) and regional (provincial) level. Relevant stakeholders will be contacted personally or by email or by phone.

The general typology of stakeholders that will be covered in each of the showcase sites are:

- government (policy maker, policy officer, council member),
- social and cultural institutions (NGOs, social workers, health and educational professionals),
- Special interest organization
- pioneers (students, volunteers),
- entrepreneurial (farmers, architects, restaurants, distributors),
- academic (research centers, universities)

The project may also engage members of the society not actively engaged in UA.

4.2 Recruiting research participants

The research participants in the showcases will be drawn from the institutional contacts, posting public notices and recruitment through individuals or organizations known to potential participants. The criteria for selecting specific stakeholders will be based on each case study scope associated with the task listed above. Recognizing that it is not sufficient to only obtain informed consent from individuals when doing research outside their own culture

(NESH, 2006), researchers will also endeavor to obtain knowledge about the society studied, including local traditions and power relations, through dialogue with representatives of the communities before contacting participants. Partners leading the research will consult the partners in the respective showcase countries during formulation of research strategies, to gain access to the communities and to recruit the participants

The consent procedure for recruiting /contacting participants for in-depth interviews, survey and workshops will follow the standard practices/protocol within the research organization in each country that the case study will be carried out (see Deliverable 8.2). In all cases, these practices will satisfy all requirements as laid down by the EU in Horizon 2020 (European Commission (2018a)

Following recruiting criteria will be followed:

a)	Inclusion criteria

1)	Males and females aged 18-65 years

2)	Human participants must be willing and able to give informed consent

3)	Human participants are expected to have understanding of English sufficient that they are able to read and understand the informed consent form. In case the understanding of English is poor all the content of informed consent will be communicated in the local language.

4)	Human participants in the opinion of the Investigator are healthy on the basis of medical history questionnaire and vital signs

b)	Exclusion criteria

1)	Individuals under 18

2)	Unable to provide informed consent

c)	Discontinuation and withdrawal of participants from the research study

1)	Any human participant may voluntarily discontinue participation in this study at any time.

2)	In case of an adverse event, the investigator may also, at his or her discretion, discontinue the subject from participating in this study at any time, and must do so.

3)	All human participants who withdraw from the study before completion will be replaced.

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