

“What are the major non-technical constraints for successful Bioenergy project implementation in an urban environment?”

Kind of Bioenergy projects you are involved in and to which you refer in the following questionnaire (only **one** kind for each questionnaire!)

Biogas Pellets Biomass/wood-chips Bio-fuels

General Information

1. What is your **branch** and your **function** in Bioenergy activities?

Branch/Sector (more than one is possible):

- Agriculture
- Forestry
- Timber industry
- Waste management
- Engineering
- Logistics
- Environment/Ecology
- Economy/Financial
- Public authority
- Association
- Others:

Function (more than one is possible):

- Planner/Technical designer
- Producer/Farmer
- Private citizen
- Plant operator
- Manager
- Advisor/Consultant
- Scientist
- Others:

2. Country, Region and City of **your activities**?

Country: Region: City:

3. **How long** have you personally been active in the field of Bioenergy?

Economic factors

your personal point of view!

4. Do you judge the **competitiveness** of Bioenergy projects in **urban areas** as **high** compared to conventional/ fossil fuel based solutions?

yes				no
1	2	3	4	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. **Costs and prices** for Bioenergy installations can be an issue for project activities in urban areas. Please judge the following statements from your point of view.

yes				no
1	2	3	4	

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|
| a) Bioenergy investment costs compared to fossil based solutions are a main constraint for Bioenergy projects in urban areas | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) The biofuel compared to fossil fuel prices are a main aspect for project decision | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Long time security for the price of biofuels is a main topic for Bioenergy projects | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

6. Please judge the following statements from your personal point of view!

yes				no
1	2	3	4	

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
| a) For realisation of Bioenergy projects in urban areas public money is important | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Non-financial public support, e.g. by prominent politicians, is important | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c) For Bioenergy projects favourable policies from the local/regional level are essential | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) For Bioenergy projects favourable policies from the national level are essential | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e) For Bioenergy projects favourable policies from the EU level are essential | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

7. Are there **other main economic aspects** influencing the performance of Bioenergy activities in **urban areas**?

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Financial factors

your personal point of view!

8. Do you judge the **credit conditions** from financial institutions and banks for Bioenergy projects in **urban areas** as **favourable**?

yes				no
1	2	3	4	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Do you have confidence to lead the **financial negotiations** for your investments yourself or do you need professional help? alone professional help not relevant

10. **Credit conditions and financial negotiations** may be influenced by the following project frame conditions. Please indicate your personal opinion and/or experience

	yes			no
	1	2	3	4
a) the precise advance finance concept of the investor has a strong influence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) the size of the project and volume of investment capital are very important	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) the proof of competence and experience of the investor have a strong influence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) the security and guarantees given are essential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) the public support/subsidies connected with the project operation are essential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) the (positive) effects of the Bioenergy project on employment, environment and climate have a strong influence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Are there **other main financial factors** influencing the performance of Bioenergy activities in **urban areas**?

Legal factors **your personal point of view!**

12. Do you judge that legislation has a **more obstructive influence** on the **realisation** of Bioenergy projects in urban areas than in rural areas?
 yes
 1 2 3 4

13. Please judge whether the **influence of legislative demands** is **obstructive** within the following, **different Bioenergy project stages:**

	yes			no
	1	2	3	4
a) development and planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) authorisation (incl. environmental regulation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) operation of bioenergy plant (incl. emissions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) treatment of residues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. Please name the **main obstructive** legislative demands for Bioenergy projects in **urban areas** from your point of view:

Socio-economic factors **your personal point of view!**

15. Do you judge the **general image** of Bioenergy projects in **urban areas** as **positive**?
 yes
 1 2 3 4

16. Do Bioenergy projects in **urban areas** have a **strong impact** on following categories? Please judge from your point of view.

	yes			no
	1	2	3	4
a) regional development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) employment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) induced investment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) enhanced competitiveness (of your activity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) others, which are?:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. Is the **public acceptance** of Bioenergy projects in **urban areas** influenced by following aspects? Please judge from your point of view.

	yes		no	
	1	2	3	4
a) location of the plant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) noise impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) increase in traffic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) possible health effects (e.g. due to emissions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) possible environmental impacts (e.g. due to emissions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) others, which are?:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

18. Are there **other socio-economic** aspects influencing the performance of Bioenergy activities in **urban areas**?

Information deficits **your personal point of view!**

19. Do you generally feel that the **offer of information** relevant for Bioenergy activities in **urban areas** is comprehensive?

	yes		no	
	1	2	3	4
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

20. What are your **main sources of information** in the **different fields** relevant for Bioenergy activities in urban areas?

Fields	Sources of information (please specify which)		
	newsletters, magazines, specialised websites	seminars, conferences, workshops	specialised organisations
a) economic/financial and legal questions			
b) technological and other innovations			
c) to find fuel/technology/service suppliers			

21. Which **sources of information** should be improved?

22. In which **fields** would you prefer more/better information in the future?

Summary opinion **your personal point of view!**

23. Please give a **ranking on the main 5 non-technical constraints** – economic, financial, legal, socio-economic factors and information deficits – for Bioenergy activities in **urban areas**.

high importance > _____ > _____ > _____ > _____ > _____ > low importance

24. What are the **most important obstacles** for the progress of Bioenergy activities in **urban areas compared to rural areas**?

25. How do you estimate the current role of Bioenergy in urban areas ?	very important		not important	
	1	2	3	4
a) Biogas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Pellets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Biomass/Wood chips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Bio-fuels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

26. How do you estimate the future market potential of Bioenergy in urban areas ?	high			low
	1	2	3	4
a) Biogas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Pellets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Biomass/Wood chips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Bio-fuels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If information available, please give us **best-practice examples** on Bioenergy which have overcome non-technical constraints:

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Thank you very much !

The questionnaire can be filled out anonymously.

But if you like to stay informed about the project and get involved in Bioenergy project activities, and particularly if you like to take part in the lottery please sign in with your name and contact details.

If not, please just fill in the questionnaire and leave this part blank:

Name:

Institution:

Address:

Tel.:

Mail:

Your data will be treated with care and confidence according to the data protection directives. It will not be used for other purposes than the mentioned above or will be made available to other persons.

Please return this Questionnaire to

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