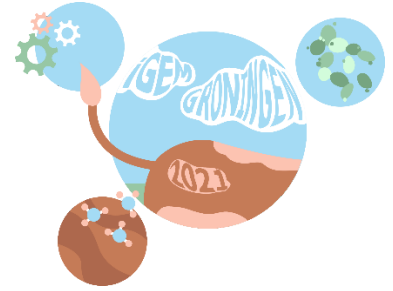




university of  
 groningen

## iGEM team Groningen 2021 Information Sheet



Thank you for your interest in contributing to our research project.

This research is being conducted by a team of students from the University of Groningen and the Hanze university of applied sciences in Groningen, as a part of the international Genetically Engineered Machine (iGEM) competition. iGEM is designed to provide students an opportunity to work on an interdisciplinary synthetic biology project. Groningen's iGEM 2021 team is supervised by Prof. dr. Jan Kok, dr. Sonja Billerbeck, PhD student Rianne Prins and secretary Anmara Kuitert from the Molecular Genetics and Molecular Microbiology research groups of Groningen Biomolecular Sciences and Biotechnology Institute of the University of Groningen. The team has the summer to design, build and test a biological system that addresses a pressing social or environmental problem.

The project chosen by the Groningen 2021 iGEM team is to create a biological system that produces a feed additive for livestock to reduce their ammonia emissions. More specifically, the team aims to make Bakers' yeast (*Saccharomyces cerevisiae*) produce alpha-amylase. In addition, the team aims to use a special filter device (a Metal Organic Framework) to capture any leftover ammonia, which will then be given back to the yeast as a nutrient for amylase production. This project is called *Bye-Monia*. This project will take place from March 2021 through December 2021.

We are interviewing stakeholders to collect valuable environmental, economic, social, and political information about the nitrogen crisis in the Netherlands, that cannot be found in written literature. This information will allow us to develop our research so that application of *Bye-Monia* within farms and the Dutch environment as a whole, is beneficial, effective, and safe.

The interview will last an estimated 30-60 minutes. The information that you provide during this interview will be transcribed as well as recorded to complete any gaps in the transcription after the interview. Both the recording and transcription of the interview will not be published but will only be used internally, within the Groningen 2021 iGEM team including its supervisors. The recording will be deleted when the transcription of the interview is completed, but will in any case be deleted on January 1, 2022. Up until deletion, the recording will be stored [REDACTED], which is protected with a password and multi-factor authentication. The transcript will be deleted on January 1, 2022. Up until deletion, the transcript will be password-protected and stored [REDACTED]. Both the recording and the transcript can be deleted before the indicated deletion date by contacting [igemteam@rug.nl](mailto:igemteam@rug.nl).

Based on the interview, the researcher may ask you for permission to make a summary of the interview to publish in the team's newsletter and on the team's iGEM webpage (wiki). When permission is given to write the summary, the written summary will be password protected and stored [REDACTED] for internal use. The summary [REDACTED] will be deleted on January 1, 2022. As long as no permission is given

to publish the summary in the newsletter or on the wiki, the summary can be deleted from [REDACTED] before the indicated deletion date by contacting [igemteam@rug.nl](mailto:igemteam@rug.nl).

The summary will only be published after you have seen the summary and after you have given explicit permission to publish this specific summary. When permission is given to publish the summary in the newsletter, the summary will appear in one single issue of the newsletter, which will be published between August 1, 2021 and January 1, 2022. After permission is given to publish the summary in the newsletter, it is no longer possible to edit the content of the summary, to have any personally identifiable data removed or to delete the summary from the newsletter. When permission is given to publish the summary on the wiki, the summary will appear on the team's wiki indefinitely. After permission is given to publish the summary on the wiki, it is no longer possible to edit the content of the summary or to remove the summary from the wiki. However, personally identifiable data can be removed from the wiki by contacting [igemteam@rug.nl](mailto:igemteam@rug.nl) before January 1, 2022, or by contacting [hq@igem.org](mailto:hq@igem.org) on or after January 1, 2022.

Other than your signature and name on the consent form; the email address and/or phone number we used to contact you; and a recording and transcript of the answers you give during the interview, your personal data will not be recorded, unless explicitly consented to by you.

The signed consent form will be password-protected and stored [REDACTED] until 1 January 2022. On January 1, 2022 the filled in consent sheet will be deleted from [REDACTED] and uploaded to [REDACTED]. The signed consent sheet legally has to be stored for 10 years. After 10 years, on 1 January 2032, the signed consent sheet will be deleted from [REDACTED]. It is not possible to have the signed consent sheet deleted before 1 January 2032.

If we contacted you per email, your email address will be stored [REDACTED]. If we contacted you per phone, your phone number will be stored [REDACTED]. On 1 January 2022 your contact information will be deleted from [REDACTED] and uploaded to [REDACTED]. After 10 years, on 1 January 2032, your contact information will be deleted from the internal data storage. Your contact information can be deleted from [REDACTED] at any time by contacting [igemteam@rug.nl](mailto:igemteam@rug.nl). Your contact information will not be shared outside the iGEM 2021 team and its supervisors, unless explicitly consented to by you.

We will ensure that any publications arising from this research will not contain any of the personally identifiable information you shared with the team, unless explicitly consented to by you.

The interview might cause emotional stress for you as the nitrogen crisis is a sensitive topic. Please remember that your participation is voluntary, and that you may refuse to answer particular questions or stop your involvement at any time without having to give a reason. We do not believe there are any other risks associated with you taking part in iGEM team Groningen 2021's stakeholder research and we hope that it will be an enjoyable experience. Any concerns about this research can be addressed to our Human Practices manager Milou Venema ([m.c.a.venema@student.rug.nl](mailto:m.c.a.venema@student.rug.nl)) or to our supervisor: dr. Sonja Billerbeck ([s.k.billerbeck@rug.nl](mailto:s.k.billerbeck@rug.nl)). Any questions or concerns regarding the handling of your personal data can also be addressed to the Data Protection Officer of the University of Groningen ([privacy@rug.nl](mailto:privacy@rug.nl)).



**university of  
 groningen**

**iGEM team Groningen 2021  
 Consent form**



**Please answer the following statements with either yes or no:**

- I confirm that I have read and understand the iGEM team Groningen 2021's information sheet: **Yes/No**
- I understand that my participation is voluntary and that I am free to withdraw at any time without having to give any reason: **Yes/No**
- I understand what the research is about, what is being asked of me, which consequences participation can have, how my data will be handled, and what my rights as a participant are: **Yes/No**
- I have had the opportunity to consider the information, ask questions and have had these answered to a satisfactory standard: **Yes/No**
- I agree that a transcript and recording will be taken from the interview. I understand that this transcript and recording will be seen by individuals from iGEM team Groningen 2021 and its supervisors. I understand that this transcript and recording can be personally identifiable: **Yes/No**
- I understand that I may be asked for permission to publish a summary of the interview, including my name, my position within my field of work and a picture. I understand that I may deny this request or parts of this request without having to give any reason. I understand that I will be able to see this summary before publication and that this summary will not be published without my permission: **Yes/No**
- I understand that I may request to have transcripts, recordings, and summaries of the interview to be deleted, excluding the summaries that I consented to publish on the wiki or in the newsletter. I understand that I may ask to have my contact information deleted: **Yes/No**
- I understand that if I agreed to the publication of a specific summary of the interview, that the content of the summary can no longer be edited after publication and that the published version can no longer be deleted from the newsletter and/or wiki. I understand that it is however still possible to have personal information deleted from this summary on the wiki of iGEM team Groningen 2021 after publication: **Yes/No**
- I agree that extracts from the interview, without personally identifiable information, may be quoted in any report or publication arising from the research: **Yes/No**
- I understand that while information gained during the study may be published, any personally identifiable information I provide will not be published or shared before having my consent: **Yes/No**
- I agree to take part in the above research project: **Yes/No**

Signatures:

Participant research name:

Human Practice team member name:

Date: