**EUROPEAN NUTRIENT RECYCLING CONTEST QUESTIONNAIRIE**

**For selection of the best available nutrient recovery technologies and products.**

***Deployment/market uptake promotion of Nitrogen/Phosphorus recovery innovations***

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| **PART I. Data provider/CONTACT person** **Data Provider is the person filling in this Questionnaire and signing the Consent Form****(Project Coordinator or Technology and/or Product owner):** |
| Name and status of the responsible data provider : |  |
| Organisation: |  |
| Contact details (your address, e-mail, telephone): |  |
| Job title: |  |
|  **PART II: PROJECT related questions:** |
| Project Full Title: |  |
| Project acronym: |  |
| Project website: |  |
| Name of the Programme (EU FP7, H2020, LIFE, national project or others) |  |
| Contract number: |  |
| Project duration: |  |
| Status of the project: | (on going, finished.. etc.) |
| Name of the coordinator organisation and coordinator:In the case of you are a Project Partner a signed Consent Form is also needed from the Project Coordinator. Otherwise please do not send any personal data (e-mail, telephone, etc.) of third person. |  |
| Coordinator contact (e-mail):In the case of you are a Project Partner a signed Consent Form is also needed from the Project Coordinator. Otherwise please do not send any personal data (e-mail, telephone, etc.) of third person. |  |
| List of project partners, or web links: |  |
| Short summary of the project (max chk 500) |  |

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| **PART III: technologies****Questions related to the practice oriented** **Nitrogen and/or Phosphorus recovery technologies.** |
| Name of the technology: |  |
| Qualified and quantified technology description: (max chk 3,000) | * processing aim, process conditions , feed flexibility and description:
* energy/water use:
* added value innovative technical content:
* location:
* emissions and environmental/climate impacts (as of EU/MS regulations):
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| **INPUT** tons/year and tons/hour: | * input material(s) specs, input material availability in economical industrial scale, logistics and cost/ton:
* at minimum economical industrial scale:
* scale up options:
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| **OUTPUT** tons/year and tons/hour: | * at minimum economical industrial scale:
* N/P nutrient concentration % and plant availability:
* Fertilizing product category selection[[1]](#footnote-1):
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| Maturity and status description:(max chk 1,000) | * development legend:
* TRL/IRL[[2]](#footnote-2) level or beyond:
 |
| Market competitive economics:(max chk 1,000) |  |
| CAPEX in EURO |  Capital Expenditure for economical industrial scale: |
| OPEX in EURO | Operational Expenditure for economical industrial scale: |
| Technology owner (s) and contacts:If you are not the technology owner, a signed Consent Form is needed from the technology owner. Otherwise please do not send any personal data of third person. |  |
| IPR status: | (Intellectual property rights, such as industrial properties (industrial designs, models, know-how, patents) and copyrights, trademarks. |
| EC/MS Authority permits: | Permit number:Issuing Authority: Permit area:Permit validity : |
| Short public summary of the technology: (max chk 1,000) |  |

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| **PART IV: PRODUCTS****Questions related to the practice oriented recovered****Nitrogen and/or Phosphorus fertilizing products.** |
| Name of the product: |  |
| Fertilizing product category selection as of EC Fertilizers Regulation revision COM (2016) 157 [[3]](#footnote-3): | Please select from the following list:1. **FERTILIZERS**
2. Organic fertilizers
3. Organo-mineral fertilizers
4. **OTHER PRODUCTS**
	1. Growing media
	2. Soil improvers
	3. Liming materials
	4. Plant bio-stimulants
	5. Agronomic additives
 |
| Status of the product development incl. TRL/IRL level[[4]](#footnote-4) in 2019: |  |
| Product owner (s) and contacts:If you are not the product owner, a signed Consent Form is needed from the product owner. Otherwise please do not send any personal data of third person. |  |
| Input material(s) specification: |  |
| Quality characterization (Nutrients) as of EC Fertilizers Regulation revision COM (2016) 157[[5]](#footnote-5):  | Overall texture of the product (granulometry, moisture…)Organic carbon content (% of dry matter by weight):Total carbon content (% of dry matter by weight): Total Nitrogen content % dry matter:Phosphorus content mg/kg dry matter:Other macro and micro elements (mg/kg dry matter):Plant available nutrient content % (e.g water soluble, citric acid soluble nutrient content):Dry matter content:Particle density (g cm-3):pH:  |
| Product safety as of EC Fertilizers Regulation revision COM (2016) 157[[6]](#footnote-6):: | Metals/metalloids: As, Cd, Cr, Cu, Hg, Ni, Pb, Zn (mg/kg dry matter):PAH16 or PAH19 (mg/kg dry matter):PCB6 (mg/kg dry matter):PCDD/F (ng WHO Toxicity equivalents/kg dry matter): |
| In which EU countries and at what scale has your product been tested? |  |
| Has your product been tested under real farming conditions? |  |
| Is there any survey about the users' needs of acceptability? |  |
| Product economics, EXW whole sale:€cost/ton: | (EXWorks product availability at manufacturers location for professional large scale users) |
| User recommendations: (max chk 1,000) | (incl. doses/ha, application conditions, formulations, aso…) |
| IPR status: | (Intellectual property rights, such as industrial properties (industrial designs, models, know-how, patents) and copyrights, trademarks. |
| EC/MS Authority permits for product use: | Permit number:Issuing Authority: Permit area:Permit validity (crops): |
| Short public summary of the product:(max chk 1,000) |  |

Any additional information you would like to share:

1. <https://ec.europa.eu/transparency/regdoc/rep/1/2016/EN/1-2016-157-EN-F1-1.PDF>

[http://www.europarl.europa.eu/RegData/etudes/BRIE/2016/582010/EPRS\_BRI(2016)582010\_EN.pdf](http://www.europarl.europa.eu/RegData/etudes/BRIE/2016/582010/EPRS_BRI%282016%29582010_EN.pdf) [↑](#footnote-ref-1)
2. <https://nutriman.net/sites/default/files/2019-01/TRL_IRL_Technology_Readiness_Levels.pdf> [↑](#footnote-ref-2)
3. <https://ec.europa.eu/transparency/regdoc/rep/1/2016/EN/1-2016-157-EN-F1-1.PDF> [↑](#footnote-ref-3)
4. <https://nutriman.net/sites/default/files/2019-01/TRL_IRL_Technology_Readiness_Levels.pdf> [↑](#footnote-ref-4)
5. <https://ec.europa.eu/transparency/regdoc/rep/1/2016/EN/1-2016-157-EN-F1-1.PDF> [↑](#footnote-ref-5)
6. <https://ec.europa.eu/transparency/regdoc/rep/1/2016/EN/1-2016-157-EN-F1-1.PDF> [↑](#footnote-ref-6)