**Project acronym**

**Project title**

*Max. 3 pages.*

*Submission deadline: 24th of March 2023.*

1. **Project idea and fit with the Moonshot strategic priorities**

*Describe briefly the project idea (object, cause and context) in max. 5 lines.*

*Describe how the project idea fits within the strategic priority for the Moonshot research trajectory (‘Moonshot OnderzoeksTraject’ or ‘MOT’) of interest. The strategic priorities are available on the Moonshot website:* [*www.moonshotflanders.be/project-types*](http://www.moonshotflanders.be/project-types)*.*

1. **Goals**

*Describe the innovation objective and the scientific goals of the project. Define quantitative goals to be achieved at the end of the project. Indicate critical elements and constraints.*

 *Briefly position the project idea towards the scientific state-of-the-art and highlight the differentiating factor. Indicate which relevant know-how is available within the consortium and which proof-of- principle/proof-of- concept are already achieved.*

1. **Strategic importance for Flanders**

*Briefly position the project idea towards existing and emerging systems/processes/solutions which will serve as benchmark. Indicate the valorisation potential in case of a successfully developed process/technology/product and the potential economic impact thereof for Flanders (and/or globally). Describe the expected adoption by the Flemish industry: which type of industry/company should implement/further (co-)develop your technology/process, what is the expected product range (application range) of the outcome of this development, in view of the consortium is it most relevant as replacement or to generate new market, etc.*

*Describe the contribution of the project idea to the KPIs of the Moonshot research trajectory of interest (multiple MOTs, if applicable). The KPIs of each of the MOTs are available at* [*www.moonshotflanders.be/moonshot-research-trajectories*](http://www.moonshotflanders.be/moonshot-research-trajectories)*. Indicate the CO2 (or CO2-equivalent) reduction potential to substantiate the contribution of the project idea to the overall Moonshot goal.*

1. **Partners & description of tasks**

*Complete the table below according to the current composition of the consortium. The consortium does not need to be final. Describe the missing expertise that is needed for the successful realisation of the project if applicable. If needed, add or delete rows.*

*The composition of the final consortium should meet the following conditions: min. 2 knowledge institutes, min. 3 research groups. Keep in mind that a well-performing consortium is slim, balanced, complementary and with good understanding and cooperation.*

|  |  |
| --- | --- |
| Name KI  | *Describe per knowledge institute, the expertise in the project and added value to the project*  |
| KI 1 |  |
| KI 2 |  |
| KI 3 |  |

*Describe the approach to successful integration of the expertise present in the consortium. Describe the complementary competence and synergy within the consortium and describe how this synergy will be maximized.*

1. **Project type, budget estimation, duration, moonshot research trajectory (MOT)**

*Complete the table below.*

|  |  |
| --- | --- |
| Project type | [ ]  “full” ESI[ ]  “continuation” ESI |
| Budget estimation | *“full” ESI: max. 3 mioEUR / “continuation” ESI: max. 2 mioEUR*

|  |  |
| --- | --- |
|  | mioEUR |

 |
| Duration | *“full” ESI: max. 4 years / “continuation” ESI: max. 2.5 years*

|  |  |
| --- | --- |
|  | years |

 |
| MOT | [ ]  MOT1: Biobased chemistry[ ]  MOT2: Circularity of carbon in materials[ ]  MOT3: Electrification and radical process transformation[ ]  MOT4: Energy innovation |