



Fast-moving consumer goods (FMCG) industry leader is seeking innovative solutions to convert germ and bran by-products into an affordable nutritious product for food fortification

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Challenge owner: Anonymous

Business opportunity: Partner with a regional FMCG industry leader in developing new innovative solutions. The challenge owner is looking for Product acquisition, proof of concept leading to scale-up to manufacturing, joint development, supplier agreement and the project is co-funded to the tune of up to R1 million from the SANBio/BioFISA II Programme.

Technology maturity: The challenge owner is seeking solutions that have reached at least proof of concept stage.

Eligibility

Innovative SMMEs and research groups from SANBio member states (Angola, Mozambique, Malawi, Mauritius, Seychelles, South Africa, Zambia, Zimbabwe, Botswana, Lesotho, Swaziland and Namibia) can apply. For this challenge, at least two SANBio member states should collaborate in finding a solution. Should a South African company/institution apply as a solution provider, the company/institution should collaborate with a company/institution from another SANBio member state. All other SANBio Member States can apply individually.

Challenge statement

The SANBio/BioFISA II Programme in collaboration with the Innovation Hub Open Innovation Solution Exchange and on behalf of one of the leading companies in the FMCG industry invites proposals to provide a solution on how germ and bran by-products in the milling of wheat and maize can be converted for food fortification for nutritional benefits. The product should be stable with essential ingredients that will allow for it to be used in stable food fortification without a significant increase in the cost of the staple food products.



Background

Food handling and processing still presents a major challenge on the African continent with significant amounts lost during the post-harvest or processing processes. This presents a major strain to a continent that is already faced with food security challenges. To address this regional issue, the SANBio/BioFISA II Programme has partnered with a large company in the FMCG industry to find solutions that will enable the company to utilise the germ and bran by-products that is produced and not utilised to its full potential. To this effect, the goal of this challenge is to find affordable methods to develop a product that can be used to fortify the company's existing products using the germ and bran by-products.

Key specifications

The successful technologies must be:

1. Safe for human consumption;
2. Affordable;
3. Require only short term development;
4. Ability to make health claims;
5. Applied in staple food categories.

As an example, innovators can stabilise the bran/germ and increase its nutritious value for use to fortify other products, such as bread or flour.

Solutions not of interest

The following technologies are not of interest:

1. Solutions that will require high CAPEX investments.

Project approach and deliverables

Phase 1: Individual Proposal submission – submit a proposal clearly outlining the solution, cost of production and any regulatory approvals needed before the product is commercialised.

Phase 2: Proposal review – challenge owner reviews and shortlists proposals to develop a joint proposal with.

Phase 3: Joint proposal submission - Submit a joint proposal with the challenge owner to the SANBio/BioFISA II Programme for review and funding decision.

Phase 4: Contracting – contact with the SANBio/BioFISA II Programme (estimated to be done in May 2017).



Evaluation

Solutions are open to anyone with the necessary insight and will be evaluated on the below criteria:

- The scientific and/or technical merit and the ability of the proposed solution to meet the stated specifications;
- The feasibility of executing the project and commercialising the product;
- The stage of readiness of the proposed solution;
- The business case including projected revenues and investment, regulations, cost of product per unit;
- Communication and explanation of any associated proprietary or 3rd party intellectual property aspects involved in the proposed solution;
- The ability of the respondent to work successfully in a team with the Challenge owner's staff;
- The capability and experience of the respondent and associated track record;
- The presentation, motivation and data to support all scientific and/or technical claims.

TO RESPOND TO THIS CHALLENGE, PLEASE COMPLETE THE RESPONSE TEMPLATE PROVIDED ONLINE

www.nepadsanbio.org

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By submitting a response, you represent that the response does not and will not be deemed to contain any confidential information of any kind whatsoever. NEPAD SANBio and its project partners will not be held liable for loss of any intellectual property. You also acknowledge that NEPAD SANBio and its project partners reserve the sole and absolute right and discretion to act upon all, some, or none of the responses received for this Challenge.