
To : ILPS members

From : ILPS Board and Executive Director

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SUBJECT : Status update – project overview: description, target, milestone plan, budget requirements
Project group #5 - Functionality

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Participants & Roles:

The project group consists of seven companies: AAK, Bunge, Fisser Lecithin, Lecico, Nateeo, Vinayak Oil & Fats and from next meeting on Protein Plus. Five of these were active contributors in all project meetings. The Chair role is at Fisser Lecithin, while Secretary role rotates. The ILPS President represents the Board and Executive Director in this project group.

Project Progress:

To date, three project meetings have been held. The objective was to define a project to study the technology functionality of lecithin in a defined application

Following ideas have been discussed:

1. Food Foams (whipped Nutella)

Bakery application - replace synthetic emulsifier by more natural one and to improve the nutritional profile of bakery goods (less calories)

2. Plant protection

To improve shelf life in fruits/vegetables by edible coatings using lecithin/phospholipids

3. Activated lecithin blends as antioxidant

Blends of high PE containing lecithin with other antioxidants for high fat containing foods

It was decided to focus on the plant protection project, due to the actual discussion about global food waste (Vinayak Oil & Fats mentioned that 1/3 of agriculture products in India are lost from farm to market) and food quality improvement of fruits and vegetables

Road map:

Extensive literature research including which companies may be interested in this project of edible coatings using lecithin.

Set up a share point where the literature gets collected and being visible for all group members

Determination of fruits and vegetables and suitable lecithins to be used

Find interested partners, institutes, organisation dealing already with such food traits.

Budget:

Today, no statement can be made about the required budget. This needs to be defined after interested partners have been found.

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