

Popular scientific project description for project funded by Ekhagastiftelsen

Popular scientific project description is to be submitted within 2 months of project grant.

Application number:	2014-64
Project title:	Research into health effects of ancient wheat species varieties compared to modern varieties
Receiver of grant (name, address):	Drs. Inge Boers MD Louis Bolk Institute Hoofdstraat 24 3972 LA Driebergen The Netherlands
Contact / project manager:	Drs. Inge Boers MD, research physician
Project start (yyyy-mm-dd): *	2014-11-01
Project end (yyyy-mm-dd): *	2017-07-01
By Ekhagastiftelsen granted sum:	1.158.200

Project description: (max 150 words)

Modern wheat products often get blamed as possible causes of chronic abdominal complaints. As well in popular as in peer-reviewed literature these concerns are discussed and gradually confirmed. Wheat qualities have been changed dramatically during the last 50 years. Above all, breeding of wheat was aimed to increase grain yield, resistance to abiotic stress conditions and biotic stress conditions, as well as to optimise the bread baking process. There has been hardly any attention during these changes in breeding and baking for the possible related effects on human health. Objectives of this project proposal contain: inventory and insight in possible health effects of ancient wheat, mapping scale and infrastructure of ancient wheat varieties grown, produced and processed in the Netherlands, developing and performing a randomized controlled, cross-over study to compare possible health effects of a diet program based on ancient or modern wheat varieties in patients with irritable bowel syndrome.

* Dates for project start and end should be the dates for which the grant is received (Not dates for total project if longer than period for which grant is received)