EU cofin Project Annual Report 2018

The EU projects that receive co-finance from the top sectors must submit an annual report on their technical and financial progress. This format is to be used for reporting the technical progress.

General information	
TKI Number of the project	AF-EU-17018
Title	MyToolbox
project leader WR (name + e-mail address)	HJ van der Fels-Klerx, ine.vanderfels@wur.nl
Address project website	www.mytoolbox.eu KennisOnline: https://www.wur.nl/nl/project/MyToolbox-3.htm
Start date	01-03-2016 (for co-financing 2017-01-01)
End date	28-02-2020 (for co-financing 2019-12-31)

Short description/aim project (this information can be published on a website of the TKI/Topsectors)

The EU project MyToolbox investigates how all actors in the feed and food chain within Europe can collaborate to prevent and reduce mycotoxin contamination in crops that are cultivated in Europe. The results of this cooperation will be a reduction of mycotoxin contamination in animal feed and consumer food products, and thus increased animal and human health, and increased consumer trust.

The main aim of the project is to bring together all available information on mycotoxin prevention and control and to make this information easily available for all actors in the chain. Secondly, this project also aims to develop novel strategies for mycotoxin management.

The main deliverable is a decision support system (DSS) in the form of an electronic tool (E-toolbox) that will be developed in a collaboration between partners and actors within the chain, and that ultimately will be used to underpin decision making to reduce mycotoxin levels in feed and food products.

Planning and progress Is the project going according to plan? Are there any substantive bottlenecks? If yes, please explain with a brief description of the current situation

RIKILT is involved in MyToolbox as one of the main partners. RIKILT is responsible for the development of the DSS and for the development and testing of forecasting models for mycotoxins in grains, as part of the DSS. Furthermore, RIKILT works on models for cost-effective monitoring of mycotoxins in the cereal supply chains.

Progress of the RIKILT tasks within the project is according to plan.

Highlights and deliverables in 2018 / so far (this information can be published on a website of the TKI/Topsectors)

Main deliverables/output of RIKILT in 2018:
- Draft version of the DSS (online) filled with static guidelines on wheat. The DSS is developed and constructed together with HORTA and IRIS.
- Model for cost-effective design of monitoring plans for aflatoxins in maize developed.

- Forecasting model (concept) for aflatoxins in maize developed. This model will be tested with field data in 2019.
- Model envelope for forecasting Don in wheat in Europe developed (together with HORTA).

Number of delivered products in 2018 *(in an appendix, please provide the titles and/or description of the products or a link to the products on public websites)*			
Academic articles	Reports	Articles in journals	Introductions/workshops
2			2
Titles/ description of the most important products in 2018 (5 at max) and their target group			

- Focker M, Van der Fels-Klerx HJ, Oude Lansink AGJM. 2018. Systematic review of methods to determine the cost-effectiveness of monitoring plans for chemical and biological hazards in the life sciences. *Comprehensive Reviews in Food Science and Food Safety* 17(3): 633-645.

- Focker M, Van der Fels-Klerx HJ, Oude Lansink AGJM. 2018. Cost-effective Sampling and Analysis for Mycotoxins in a Cereal Batch. *Risk Analysis* (in press). DOI: 10.1111/risa.13201.

- Krska R, Gilbert J, Poschmaier B, McNerney O, Pichler M, Edwards S, Suman M, Magan N, Rossi V, Van der Fels-Klerx HJ, Bagi F, Fauhl-Hassek C, De Nijs M. 2018. Smart tools for farmers to provide advice to mitigate fungal infection and mycotoxin exposure. 20th International Conference on Nutrition, held 15-16 November 2018, Capetown, South Africa.

- Van der Fels-Klerx HJ, Liu C, Manstretta V, Rossi V. 2018. Cross validation of forecasting models for DON in wheat in Europe. European Fusarium Seminar, Tulln, Austria.

Appendix: Names of the products or a link to the products on a public website including the link to the project summary on Kennisonline