



### PPP-final report

PPP projects which are under supervision of the "Topsectoren" must file a final report concerning the total project period. This form is used to report the content of the project. There is a separate form for the financial reporting.

**The final report will be published on the TKI / topsector website. Therefore, please ensure that there is no confidential information in the final report.**

The PPP-final report must be sent, at the latest, by the 1st of March 2020 to the "TKI's": info@tkitu.nl or info@tki-agrifood.nl. For Wageningen Research, the report has to be sent to the "Topsector secretary" of your respective institute.

General information	
PPP-number	TKI-AF-17065
Title	Koolstofvastlegging
Theme	Koolstofvastlegging
Implementing institute	Wageningen UR
Project leader research (name + e-mail address)	Theun Vellinga, theun.vellinga@wur.nl
Coordinator (on behalf of private partners)	Harm Dijkstra/Ferdi Stolk
Project-website address	
Start date	1 oktober 2017
Final date	<b>31 december 2019</b>

### Approval by the coordinator of the consortium

The final report must be discussed with the coordinator of the consortium. The "TKI's" appreciate additional comments concerning the final report.

Assessment of the report by the coordinator on behalf of the consortium:	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not approved
Additional comments concerning the final report:	No comments

### Consortium

Mention any changes in the composition of the project partners:	No changes
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### Summary of the project

Problem definition	Reduction of GHG emissions from the agricultural sector is required. The potential of carbon sequestration is part of this. A proper farm specific monitoring of carbon sequestration on sand and clay soils and of reducing CO2 emissions from peat soils is required.
Project goals	Exploration of the possibilities of farm specific monitoring carbon sequestration (sand/clay) and reduced emissions (peat) and the options for farmers to affect this with their management.

	Development of a methodology for farm specific monitoring.
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<b>Results</b>	
Planned results in the original project plan	Linked to activities: <ul style="list-style-type: none"> <li>• Desk study to explore the magnitude of soil related emissions and trends</li> <li>• Procedure to monitor C sequestration</li> <li>• Development of a calculation tool</li> <li>• Start with test groups of farmers</li> <li>• Discussion of pro's and con's of including soil emissions in the CFP of milk</li> <li>• Reporting of all above mentioned items</li> </ul>
Achieved results	All results have been achieved, except the discussion about pro's and con's. This will be organised on short notice. Report is ready.
Explanation of changes relative to the project plan	No changes relative to the plan. Only slight changes in time schedule

<b>What was the added value created by the project for:</b>	
Participating "Knowledge Institutes" (scientific, new technologies, collaboration)	Insights in the mitigating climate change potential of carbon sequestration. Participation and collaboration of various science groups of Wageningen UR Integration with other studies regarding climate change mitigation
Participating private partners (practical application of the results, within which period of time?)	Discussion with farmers groups about monitoring and applicable management options to improve sequestration and reduce emissions Starting introduction of C sequestration in on-farm monitoring (KringloopWijzer)
Society (social, environment, economy)	Improved contribution of the dairy sector to reduce GHG emissions
Possibly other stakeholders (spin-offs)	Setting a standard for other stakeholders to monitor C sequestration

<b>Follow-up</b>	
Did the PPP result in one or more patents (first filings)?	No
Are there any follow-up projects planned? If yes, explain. (Contract research resulting from this project, additional funding, or new PPP projects)	No

**Deliverables/products during the entire course of the PPP** (provide the titles and/or a brief description of the products/deliverables or a link to a website.

Scientific articles:

Not yet.

External reports:

External report is ready. English version will be made available for international use.

Articles in professional journals/magazines:

No

(Poster) presentations at workshops, seminars or symposia.

Information used in presentations at farmers meetings

TV/ radio / social media / newspaper:

No

Remaining deliverables (techniques, devices, methods, etc.):

The monitoring tool is available for others. This will enhance a uniform approach within the agricultural sector.