PPP annual report 2018
PPPs which have started under the direction of the top-sectors need to deliver an annual report regarding their research and financial progress. For reporting on research progress this format has to be applied. A separate format 'PPP final report' is available for PPPs that have finalized in 2018.
Annual reports are entirely published on the TKI/topsector website(s). Please prevent the incorporation of confidential matter in the report.
PPP annual reports have to be submitted - pooled for each research organisation - before 1 March 2019 to the TKIs at info@tkitu.nl, or at info@tki-agrifood.nl. For Wageningen Research the delivery of reports occurs centrally.

General data	
PPP number	AF-17106
Title	Regenerative Farming
Theme	Duurzame voedselsystemen – Klimaat Neutraal
Executing research organisation(s)	Universiteit Utrecht, WUR,
Project leader research (name + email address)	Frederiek van Lienen; vanlienen@tifn.nl
Coordinator (on behalf of private parties)	TIFN
Contact person of government	
Total project budget (€)	980.000
Project website address	https://www.tifn.nl/regenerative-farming-business-models/
Starting date	13-08-2018
Final date	31-08-2022

Approval coordinator/consortium The annual report has to be discussed with the coordinator/consortium. The TKI(s) like to be informed regarding potential comments on the annual report.	
The annual report is …… by the coordinator on behalf of the consortium	□ approved □ not approved
Potential comments regarding the final report	

Brief description content/aim PPP
What is the matter and what does the project contribute?
What does the project deliver and what are the effects of its delivery?

Many of the current farming methods in the Netherlands lead to a loss of environmental quality. Soil and water quality and biodiversity are decreasing in many agricultural areas, as production methods are not long-term sustainable. The challenge is to devise agricultural concepts that restore environmental quality without compromising productivity and profitability. In addition, the production system must be circular with regard to nutrients and carbon. Greenhouse gas emissions should fall within the scenario of the 1.5 to 2 degrees Celsius limit. At the same time, the concept must lead to flourishing companies and communities, and provide added value throughout the production chain. The development of a regenerative business model in the Netherlands would generate international opportunities for Dutch businesses.

Research scope

For – parts of – the Dutch agricultural landscape: develop proofs of concepts for how regenerative production can be achieved within one generation

Bio-physical flows:

- what mix of land-based and land-less (stables, greenhouse) production systems fits best within planetary boundaries?
- what type of production can best be done at what location?
- how much output can thus be achieved in a net positive system?

Economic transformation model:

- farmer business models include differentiation, revenues for ecosystem services and minimised inputs
- implications for agri-food value-chain players (for example: local processing)
- implications for taxes, subsidies, regulation

Social innovation model:

- how to enable transition of majority of farmers towards net positive production?

Consumer engagement with Dutch agricultural landscape:

- how to engage with consumers to promote choices that drive net positive production and restoration of Dutch agriculture landscape?

Results 2018
Give a brief description of the high-lights in 2018.

1. Hiring 2 PhD students (bio-physical aspects, Wageningen University), socio-economic aspects (Copernicus Institute, University of Utrecht)
2. Kick off meeting Ambition to Results with research team and business partners
3. Shortlist of entrepreneurs and initiatives to work in case studies
4. Conceptual Framework (draft)

Number of delivered products in 2018 (give titles and/or description of products, or a link to the products on the project website, or other public websites).

Scientific articles	Reports	Articles professional in journals	Lectures/workshops

Titles/descriptions of prominent products in 2018 (max. 5) and their targets groups

Annex: Titles of deliverables or a link to products on the project website or other public websites