



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. The report must be submitted by 15 February 2019 to Hans van der Kolk

General information	
TKI Number of the project	AF-EU-18024
Title	MAGIC: Marginal lands for Growing Industrial Crops: Turning a burden into an opportunity
project leader WR (e-mail address)	Dr B. Elbersen (WENR), Dr. E.N. van Loo (WPR) & Dr ir W. Elbersen (WFBR)
Address project website	http://magic-h2020.eu/
Start date	1st July 2017
End date	1st July 2021

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

The goal of MAGIC is the development of production systems for industrial crops and the valorisation of raw materials grown on marginal land in Europe. The aim is to contribute to the development of smart technological solutions that contribute to the replacement of fossil fuels and the achievement of the EU's broad energy and climate objectives, whereby competition with food is minimized.

The specific contribution of the 3 WR Institutes (WENR, WPR & WFBR) to the project focuses on:

- 1: Development of a database on all characteristics of industrial plants that are potentially suitable for the production of biomass and non-food products on marginal lands and integration of all project results into a web-based tool so that they can be easily accessed and used by important (industrial) stakeholders.
- 2: Detailed mapping and characterization of marginal land in Europe (including the Netherlands) so that for these areas it can be determined whether these are suitable and can be used sustainably for non-food biomass production with industrial crops.
- 3: Identification and improvement of varieties within industrial crop groups with the aim of generating plants that are suitable for cultivation on marginal lands and thereby provide suitable raw materials for conversion into different bio-materials and bioenergy.
- 4: Identification of optimal cultivation techniques for industrial crops on marginal land
- 5: Design and (sustainability) evaluation of logistics chains for bioenergy and biochemical products based on raw materials grown on marginal land.

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

So far the project activities are developing according to schedule. No problems encountered. The 18th month review report is currently being prepared for the EC review meeting in March in Brussels.

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

- D2.1 Definition and classification of marginal land suitable for industrial crops in Europe
- D2.2 Version 1 of the marginal land map
- D2.3 Version 2 of the marginal land map

D2.6 Methodological approaches to identify and map marginal land suitable for industrial crops in Europe
D4.1 Report on "Low-input agricultural practices for industrial crops on marginal land"

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

Appendix: Names of the products or a link to the products on a public website

<http://magic-h2020.eu/>

<https://www.wur.nl/nl/Onderzoek-Resultaten/Topsectoren/show/MAGIC-1.htm>