



Xavier Bengoa
Senior sustainability consultant Quantis

A spatial solution to alleviate environmental impact of agriculture



Quantis

geofootprint.com
@Quantis_intl

in quantis-intl

Main product:
geoFootprint

Aim:
To optimize the monitoring and management of crop production across the agri-food supply chain

- Generated funding:
EUR 2 100 000
- Challenge:
Sustainable management of agricultural systems
- Partners:
Cool Farm Alliance, Arx-IT



Powered by:



THE PROJECT

The idea

geoFootprint is a web tool that combines satellite imagery and geospatial data with the latest life cycle assessment methodology. It generates maps that give instant access to the environmental footprint of agricultural crops (climate, water, soil, biodiversity) anywhere in the world and enables simulations considering a variety of crop management practices.

Inspiration

The evolution of satellite imagery into didactic tools inspired us to make the foot printing science accessible to all in the agri-food sector where a need is emerging for better data on the environmental impact of purchasing models.

Unique selling points

geoFootprint is the first tool capable of translating spatial data into state-of-the-art environmental metrics looking at agricultural products in their entirety, and accounting for a variety of land management practices. It provides global coverage, transparency and granularity for a coherent answer to greenhouse gas emissions issues.

Societal impact

Offered either as open-access or as a licensed tool for professional use, the platform boosts the understanding of the link between agriculture and climate change. Through its holistic approach, geoFootprint contributes to several

UN Sustainable Development Goals including responsible consumption and production, climate action, and life on land.

EIT Community support

EIT Climate-KIC was crucial in enabling us to launch the project through its co-funding and support for market outreach.

THE NOMINEE

The beginning

A sustainability consultant for 12 years, I felt a strong need to contribute to well-informed environmental decisions, particularly in the agricultural sector, a major contributor to ecosystem degradation and global warming.

Partnerships & Teamwork

Quantis is the project leader and core developer. Our partner, Cool Farm Alliance, provides expertise in farm-level footprint assessment and community management. Arx-IT develops the front-end interface of the platform.

Rewarding moments

In June 2019, we showed our first beta version to our advisory board. Reactions from our partners from the Food and Agriculture Organization (FAO) and the International Union for the Conservation of Nature (IUCN) were incredibly encouraging.

geoFootprint raises awareness of the inherent complexity of agricultural systems and potential solutions to make them more environmentally sustainable.

