CropBooster-P

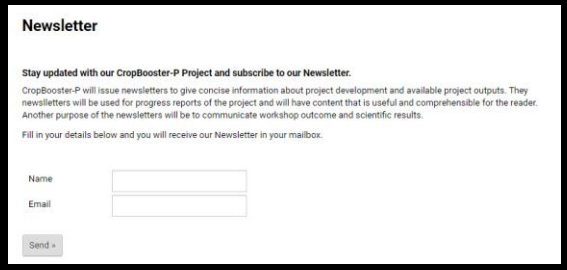
Roadmap to future-proof Europe's plants

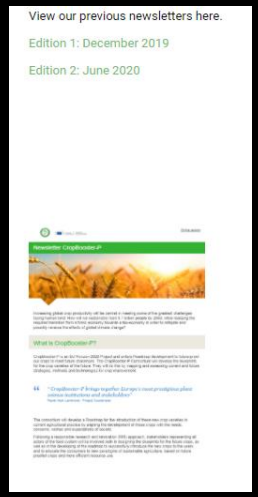
European Commission

Horizon 2020
European Union funding
for Research & Innovation

Communication & Dissemination Highlights last 12 months

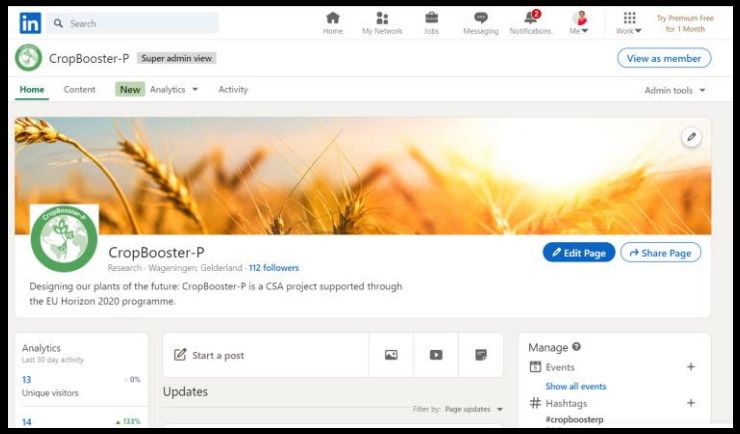
- Website updates
  - Newsletter
    - subscription page
    - access to previous editions
  - Publications page

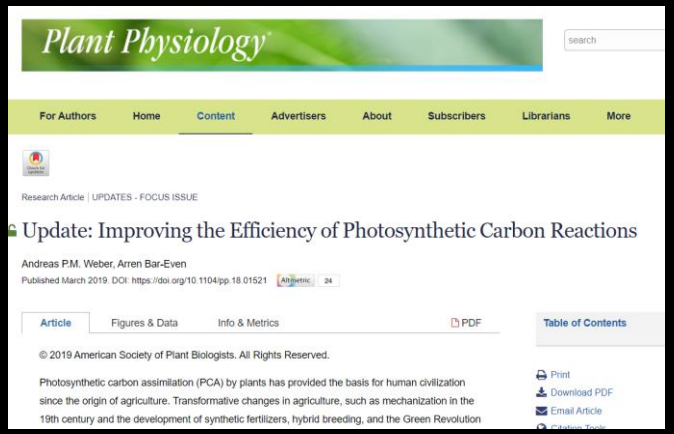




Communication & Dissemination Highlights last 12 months

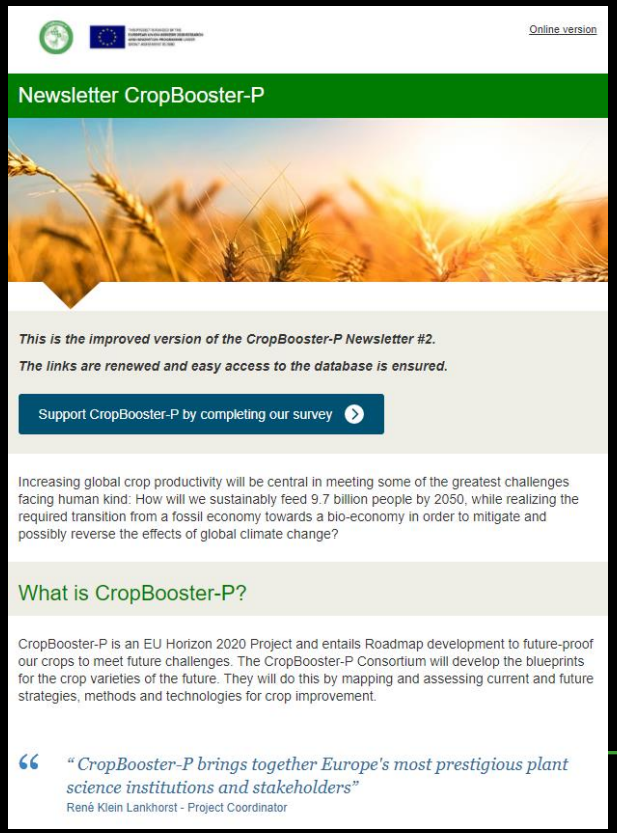
- 4 new publications
- Increase in LinkedIn members of almost 50%
- 2nd Newsletter issued





Communication & Dissemination Highlights last 12 months

- 2nd Newsletter issued



Online version

Newsletter CropBooster-P

This is the improved version of the CropBooster-P Newsletter #2.

The links are renewed and easy access to the database is ensured.

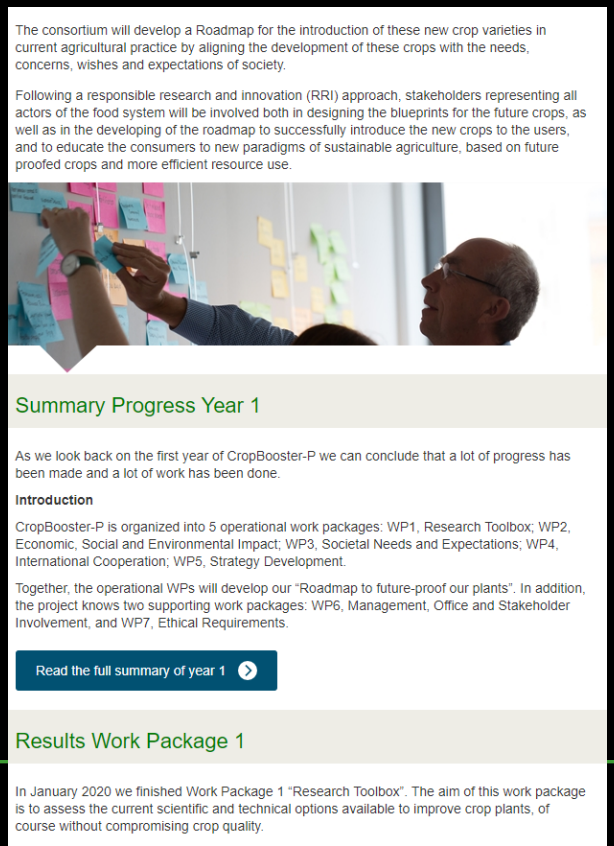
Support CropBooster-P by completing our survey

Increasing global crop productivity will be central in meeting some of the greatest challenges facing human kind: How will we sustainably feed 9.7 billion people by 2050, while realizing the required transition from a fossil economy towards a bio-economy in order to mitigate and possibly reverse the effects of global climate change?

What is CropBooster-P?

CropBooster-P is an EU Horizon 2020 Project and entails Roadmap development to future-proof our crops to meet future challenges. The CropBooster-P Consortium will develop the blueprints for the crop varieties of the future. They will do this by mapping and assessing current and future strategies, methods and technologies for crop improvement.

> *"CropBooster-P brings together Europe's most prestigious plant science institutions and stakeholders"*
> René Klein Lankhorst - Project Coordinator



The consortium will develop a Roadmap for the introduction of these new crop varieties in current agricultural practice by aligning the development of these crops with the needs, concerns, wishes and expectations of society.

Following a responsible research and innovation (RRI) approach, stakeholders representing all actors of the food system will be involved both in designing the blueprints for the future crops, as well as in the developing of the roadmap to successfully introduce the new crops to the users, and to educate the consumers to new paradigms of sustainable agriculture, based on future proofed crops and more efficient resource use.

Summary Progress Year 1

As we look back on the first year of CropBooster-P we can conclude that a lot of progress has been made and a lot of work has been done.

Introduction

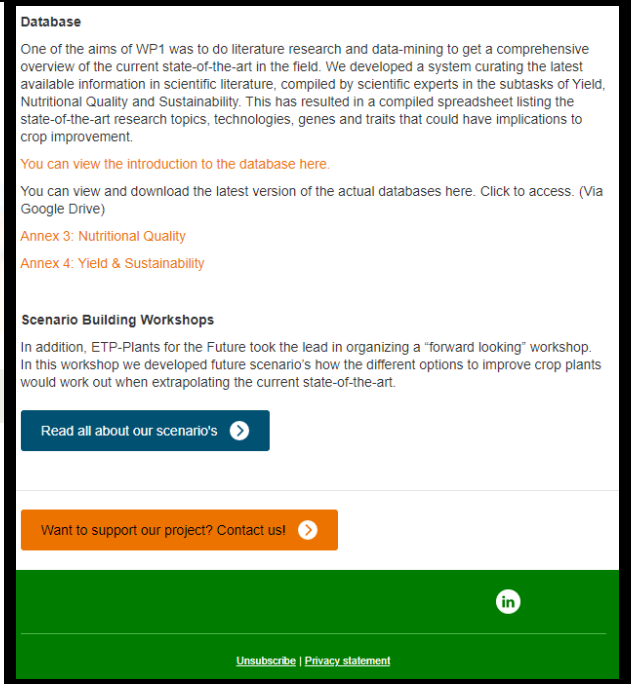
CropBooster-P is organized into 5 operational work packages: WP1, Research Toolbox; WP2, Economic, Social and Environmental Impact; WP3, Societal Needs and Expectations; WP4, International Cooperation; WP5, Strategy Development.

Together, the operational WPs will develop our "Roadmap to future-proof our plants". In addition, the project knows two supporting work packages: WP6, Management, Office and Stakeholder Involvement, and WP7, Ethical Requirements.

Read the full summary of year 1

Results Work Package 1

In January 2020 we finished Work Package 1 "Research Toolbox". The aim of this work package is to assess the current scientific and technical options available to improve crop plants, of course without compromising crop quality.



Database

One of the aims of WP1 was to do literature research and data-mining to get a comprehensive overview of the current state-of-the-art in the field. We developed a system curating the latest available information in scientific literature, compiled by scientific experts in the subtasks of Yield, Nutritional Quality and Sustainability. This has resulted in a compiled spreadsheet listing the state-of-the-art research topics, technologies, genes and traits that could have implications to crop improvement.

You can view the introduction to the database here.

You can view and download the latest version of the actual databases here. Click to access. (Via Google Drive)

Annex 3: Nutritional Quality

Annex 4: Yield & Sustainability

Scenario Building Workshops

In addition, ETP-Plants for the Future took the lead in organizing a "forward looking" workshop. In this workshop we developed future scenario's how the different options to improve crop plants would work out when extrapolating the current state-of-the-art.

Read all about our scenario's

Want to support our project? Contact us!

Unsubscribe | Privacy statement

Roadmap next 6 months

- Increase updates website & social media
- Newsletters
- Organising 2 webinars about scenario building
    - General public & scientific audience
- General animation video CropBooster-P
- Infographic WP 2 showing scenarios, goals & option cards
- Testimonials stakeholders (video or statements)
- Policy briefs

Cooperation

- Following advice from review board, we expect extra dedication and commitment from all partners, stakeholders and concerning intensifying communication & dissemination.
- I will contact some of you personally and regularly the coming months and request input for news and other content.
- I also expect you to contact me when you have interesting content or ideas.
- Share and like our posts