



BE-Basic objectives

The BE-Basic Foundation is an international public-private partnership that develops industrial biobased solutions to build a sustainable society. As we want to switch from fossil fuels to biomass in the near future, new technologies and insights are required for all industries that provide us with food, chemicals, materials and energy. The BE-Basic Foundation initiates and stimulates collaborations between academia and industry, between scientists and entrepreneurs and between the Netherlands and abroad.

To reach these **objectives**, BE-Basic Foundation coordinates and stimulates RD&I programs for science and technology development, especially –but not exclusively- on environmental and industrial biotechnology. BE-Basic stands for *Biobased, Ecologically BALanced, sustainable Industrial Consortium*. The focus is on integral and sustainable biobased solutions, that balance and optimise economic value and climate impact for non-energetic (chemicals, materials, food&feed) and energetic (transportation fuels, power/heat) uses. Those balances are reached best by applying cascading and integral biorefinery concepts, and prioritise energetic uses for those sectors without alternatives (aviation, marine and heavy road transport).

Integral sustainability is a key driver. BE-Basic Foundation spends roughly 10% of its budget in societal programs that explore, investigate and communicate sustainability impacts (people, planet, profit) in broad national and global settings and develops sustainable solutions. This includes participation in and contribution to balanced, high level policy briefs and organisations.

International respect. BE-Basic Foundation is headquartered in The Netherlands, but understands the critical role of a global reach for the open Dutch economy. Therefore, BE-Basic Foundation supports hubs/programs in Europe (BIG-C with German and Flemish partners), BBI, and CLIMATE KIC, the America's (Brazil, USA, Canada), and South-East Asia (Malaysia, Vietnam, others) to interact with the local organisations, industries, science and society. Here local solutions are sought and developed for sustainable use of biorenewables for food, feed, fiber, fuels and energy that differ from The Netherlands' and European situation.

With that, BE-Basic Foundation is one of the largest, most active, visible and respected global public-private players targeting responsible and sustainable use of biorenewables for food/feed, materials, and energy/fuels sectors. **The BE-Basic Executive Board and Supervisory Board are fully aligned on these objectives and lines of implementation.**

A handwritten signature in black ink, appearing to read "Luuk A.M. van der Wielen".

Prof. dr. ir. Luuk A.M. van der Wielen

President of the Executive Board

A handwritten signature in blue ink, appearing to read "Bram Brouwer".

Prof. dr. Bram Brouwer

Managing Director

A handwritten signature in blue ink, appearing to read "Herman van Wechem".

Dr. Herman van Wechem

Chairman of Supervisory Board

Some examples of past and current implementation of BE-Basic's efforts to explore and operationalise integral biobased sustainability in a national and international setting.

B(E)-Basic has in the past decade collaborated with and contributed to high-level national and international initiatives to implement this strategy, with the eye on impact. This includes at the national level

- The Biobased Book (2007), the 1st Macro-economic Impact study of BBE for The Netherlands (2008), Biomass, Hot Issue" (2009) (all under auspices of Platform Groene Grondstoffen/NL Energy Transition), BBE-section of Regieorgaan Chemie (Punt-op-de-Horizon 2010),
- Topsector Policy with respect to a broad BBE program for The Netherlands linking topsectors Chemistry, Energy, Agro-food, Water and Horticulture (2011/12; coordinating Innovation Contracts BBE and Bioenergy, eventually leading to TKI-BBE),
- The EBD (Energy, Policy, Sustainability) project of TKI-BBE, leading to Macro-economic Impact Study of BBE for The Netherlands (2014/15)
- the SER Fuelsmix (2014/15; coordination of Sustainable Aviation Vision and Action Plan, and eventually help develop BioPort Holland-initiative of the aviation sector into a professional organisation, starting in 2015 as a dedicated program under BE-Basic Foundation).

At the international level, BE-Basic was invited to contribute to macro-economic studies, roadmaps and other projects

- Malaysia (2010-12, e.g. National Biomass Strategy, and Macro-economic Impact Study BBE for Malaysia)
- Brazil (2013/14, leading to Flightpath to Sustainable Aviation),
- UNESCO-SCOPE/UNEP project on BBE and Sustainable Development (2013/15, summary report presented at 2nd Brazilian Bioenergy Science & Technology conference in Campos do Jordao in oct 2014, final report and UNESCO-SCOPE/UNEP Policy brief due in spring 2015)
- Global Sustainable Bioenergy Project (2010-ongoing), leading to -amongst others- studies on how bioenergy development improves food security and sustainability as well as rural income, and the Brazilian/FAPESP LACAF program) with scientists of various discipline and nationality, as well as engagement with NGO's and industry.