



Biodegradable mulch films for sustainable agriculture and soil protection

RELATED SDGS GOALS



SDGS 169 TARGETS

2.4 Ensure sustainable food production systems
12.7 Promote public procurement practices that are sustainable
15.3 Combat desertification, restore degraded land & soil

PRIMARY COUNTRY

Italy

OTHERS

Spain, France, USA, Greece

(maize, industrial tomatoes and vines) with a saving in the use of water and a better yield of seeds.

2 IMPACT ON SOCIETY

1. enhancing agricultural productivity
2. improving the yield and quality of agricultural production
3. reduction to zero of agricultural plastic waste and no soil contamination (since the mulch film is fully biodegradable and with no toxic effect)
4. reduced carbon footprint (>50%)

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Mulch films made of Novamont's Mater-Bi do not have to be recovered and disposed of at the end of the growing cycle, because biodegrades in the ground through the action of microorganisms, avoiding environmental concerns like the well-known "white pollution". Being compliant with major international standards for biodegradability in the soil, this mulch film brings about a saving in terms of time and resources. Novamont is also successfully testing it on crops which are not normally mulched,

URL

<https://www.novamont.com/eng/>



URL

<http://materbi.com/en/>



URL

<http://materbi.com/en/solutions/agriculture/>





CLIMATE CORPORATION,
SUBSIDIARY COMPANY OF BAYER



BDI
The Voice of
German Industry



GERMANY

Digital Farming: Climate FieldView™



RELATED SDGS GOALS



PRIMARY COUNTRY

worldwide

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

The future of farming will be driven not just by better technologies, but by better understanding how to combine these in smarter and ever more efficient ways. This is where digital farming comes into play. With Climate FieldView™ the Climate Corporation developed the industry's leading digital agricultural platform that offers farmers a comprehensive and connected suite of digital tools. Farmers gain a deeper understanding of their fields and can optimize management decisions quickly and efficiently. This helps growers reach their yield potential, while minimizing excessive application of crop inputs.

2 IMPACT ON SOCIETY

The project accelerates farmers' ability to increase crop yields in a more sustainable manner. It simplifies the planning effort, lowers the amount of crop protection product applications, reduces the risk of wrong applications and achieves better prevention of pests and diseases.

ABOUT US

Bayer AG is a global life science company with a more than 150-year history and core competencies in the areas of health care and agriculture. The company contributes to finding solutions to some of the major challenges of our time. In fiscal 2017, Bayer has sales of EUR 35.0 billion, capital expenditures amounted to EUR 2.4 billion, and R&D to EUR 4.5 billion. Bayer has around 118,200 employees worldwide.

URL

<https://www.media.bayer.com/baynews/baynews.nsf/id/Bayer-expands-digital-innovation-pipeline-The-Climate-Corporation-bring-breakthrough-digital-tools>





Livelihood Carbon Funds



**LIVELIHOO
FUNDS** ACT TODAY
FOR A BETTER

RELATED SDGS GOALS



SDGS 169 TARGETS

2.4 Ensure sustainable food production systems
2.a Enhance agricultural productive capacity of developing countries
15.1 Ensure the conservation, restoration & sustainable use of terrestrial & inland freshwater ecosystems

PRIMARY COUNTRY

Global, with a focus on developing countries

OTHERS

Current projects in Brazil, Burkina Faso, Guatemala, India, Indonesia, Kenya, Madagascar, Peru, and Senegal

Additional funding is available through L3F (Livelihood fund for Family Funding) to foster value chain development in developing countries.

2 IMPACT ON SOCIETY

- LCF1 (launched in 2011) invested €40M and will sequester 10M tons CO₂eq over 20 years, through 9 active projects across Africa, Asia, and Latin America
- LCF2 (launched in 2017) will invest €100M and aims to sequester 25M tons CO₂eq.



URL

<http://www.livelihoods.eu/>



1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Collaboration between NGOs, multi-national companies, and governments to incentivize the adoption of environmentally sustainable agricultural practices. Since 2011, LCF leverages the carbon economy to finance major ecosystem restoration, agroforestry and rural energy projects over periods of 10 to 20 years (Example project: investing in agroforestry practices and a sustainable dairy cycle for 30K Kenyan farmers)

Operates two major investment funds in which twelve major companies have invested so far focus on helping rural communities restore and preserve their ecosystems and improve their livelihoods.



Menos Sal Mas

Vida



menos sal
más *Vida*

(Less Salt More Life)

RELATED SDGS GOALS



SDGS 169 TARGETS

- 2.1 Ensure access to safe, nutritious & sufficient food
- 3.4 Reduce mortality from non-communicable diseases

PRIMARY COUNTRY

Argentina

- Agreements on maximum quantities of sodium per type of food
- Conformation of group to work on further initiatives (e.g.: reformulation of other products or other ingredient)
- Technical research on impact of this nutrient in the composition of food

2 IMPACT ON SOCIETY

- Estimated 250,000 health events (e.g.: CVA, heart attacks) averted through 2020 by reduction of salt intake
- Net estimated savings of US\$ 3.8 billion in 10 years of health costs

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Public-private collaboration including over 20 companies and industry groups, led by the Health Ministry of Argentina, to reduce consumption of salt and therefore related health conditions.

Initiative originally consisted of voluntary agreements by food type to progressively reduce content of salt in food products; it later became a legal requirement. Since 2011 to the present, the collaboration amongst public and private stakeholders gave way to:

URL

<http://www.msal.gob.ar/ent/index.php/informacion-para-ciudadanos/menos-sal-vida>





Providing Weather Index Insurance using data from earth observation satellites

RELATED SDGS GOALS



SDGS 169 TARGETS

- 2.4 Ensure sustainable food production systems
- 1.5 Build the resilience of the poor & the vulnerable
- 13.1 Strengthen resilience to climate-related hazards & natural disasters

PRIMARY COUNTRY

Myanmar

OTHERS

Thailand, Philippines, Indonesia

2 IMPACT ON SOCIETY

This product contribute to built the resilience of the poor and those in vulnerable situation.

Agriculture in South is a key industry that is also vulnerable to climate change.

Aiming to provide weather index insurance to 30,000 farmers in Thailand and other Southeast Asian countries by 2025, we will move forward on our continued efforts in this field.



1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Weather index insurance is an insurance product that pays out a contractually predetermined insurance amount when a weather index — such as for temperature, wind speed, or rainfall — fulfills certain conditions.

In Myanmar, we developed Japan's first weather index insurance that uses data from earth observation satellites and covers drought risk for rice and sesame farmers in the central arid region.

This insurance, developed in partnership with the Remote Sensing Technology Center of Japan (RESTEC), makes use of rainfall data obtained by earth observation satellites.

URL

<https://www.sompo-hd.com/en/csr/action/community/content4/#02>





Sustainable Agriculture Initiative Platform



RELATED SDGS GOALS



SDGS 169 TARGETS

2.4 Ensure sustainable food production systems
2.3 Double the agricultural productivity
12.a Support developing countries to strengthen their capacity for sustainable consumption & production

PRIMARY COUNTRY

Global

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Private non-profit collaborative of >90 members of the food industry, mostly multi-national corporations to ensure that agricultural raw materials are grown using sustainable methods. Since 2002 facilitates sharing of knowledge and adoption of technology across food value chain with a particular focus on smallholders

Actively promotes adoption of best environmental practices along supply chain through collaboration and commitment of member companies

Provides a forum for discussion and knowledge sharing on sustainable agriculture, which it then shares to all interested parties along the supply chain

2 IMPACT ON SOCIETY

Farm Sustainability Assessment (FSA), launched in 2014, through its One Industry-Harmonized Assessment & Assurance Tool, promoted to agreed sustainable agriculture practices. It helps farmers and suppliers to review and improve their practices, become more sustainable, and gain market access. FSA was implemented in 24 countries. It provides Implementation Guidelines for sampling, verification, data management with audit protocol and approved auditors. Also, FSA can be implemented through Certification Schemes. Its gradual scoring system encourages continuous improvement.

Example projects:

CROP FSA: Based on SAI Platform' s Arable & Vegetable and Fruit, it promoted principles and practices, which are globally applicable and free to use. E.g: Solidaridad in Brazil with Oranges, Sugar Beet in Europe and Strawberries and Rice in Spain.

URL

<http://www.saiplatform.org/>





WHOLE SURPLUS

TUSIAD



TURKEY

Whole Surplus Digital Surplus Management Platform



RELATED SDGS GOALS



SDGS 169 TARGETS

12.3 Halve per capita global food waste & reduce food losses

12.5 Reduce waste generation through prevention & 3R

2.1 Ensure access to safe, nutritious & sufficient food

PRIMARY COUNTRY

Turkey

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Whole Surplus is founded in December, 2014. Whole Surplus creates technology solutions to help businesses recover value from food surplus. We provide one-stop waste management platform, unique marketplace for donating surplus inventories, recycling and reselling of surplus and data analytics for reducing waste at the source. Whole Surplus changes the way of business to identify, analyze, control and reduce waste while recovering the best value out of waste for a sustainable world. Whole Surplus is invested by 500 Startups and is a Techstars alumni company. Also, chosen as one of the 9 companies to be supported by UNDP Accelerate 2030.

2 IMPACT ON SOCIETY

250.000 people got donations through our platform in two years. 2800 tons of food is saved with our donation, reselling and animal feed production solutions. We operate in 25 cities of Turkey and work with more than 100 food banks.

URL

<https://www.fazlagida.com/>
[Turkish brand of Whole Surplus]



URL

<https://wholesurplus.com/>



URL

https://www.youtube.com/watch?v=QLW_CiXKdrO

