Every link counts -
The importance of a Sustainable Primary Sector

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✓ Challenges in a fast changing and interconnected world

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Food & Beverage

Safe and sustainable global food supply chain

- Growing population (9B by 2050) will require a 70% increase of today’s food production, challenging us to produce enough safe food to feed the world.

- Climate change is already having an effect on societies. Increasing global temperatures is inevitable, also influencing our food supply chain.

- Increasingly complex and global supply chains coupled with consumer and legislative demands to manage every link.

- Increasing demand and need for a safe and sustainable food supply chain, driving need for systematic mitigating measures and technological innovation.
Facts and Figures - Hunger

- Globally, one in nine people in the world today (795 million) are undernourished.
- The vast majority of the world’s hungry people live in developing countries, where 12.9 per cent of the population is undernourished.
- Asia is the continent with the most hungry people – two thirds of the total. The percentage in southern Asia has fallen in recent years but in western Asia it has increased slightly.
- Sub-Saharan Africa is the region with the highest prevalence (percentage of population) of hunger. About one person in four there is undernourished.
Facts and Figures - Hunger

- Poor nutrition causes nearly half (45 per cent) of deaths in children under five – 3.1 million children each year.
- One in four of the world’s children suffer stunted growth. In developing countries the proportion can rise to one in three.
- 66 million primary school-age children attend classes hungry across the developing world, with 23 million in Africa alone.
Facts and Figures – Food Security

- Agriculture is the single largest employer in the world, providing livelihoods for 40 per cent of today’s global population. It is the largest source of income and jobs for poor rural households.

- 500 million small farms worldwide, most still rainfed, provide up to 80 per cent of food consumed in a large part of the developing world. Investing in smallholder women and men is an important way to increase food security and nutrition for the poorest, as well as food production for local and global markets.

- Since the 1900s, some 75 per cent of crop diversity has been lost from farmers’ fields. Better use of agricultural biodiversity can contribute to more nutritious diets, enhanced livelihoods for farming communities and more resilient and sustainable farming systems.
Facts and Figures – Food Security

- If women farmers had the same access to resources as men, the number of hungry in the world could be reduced by up to 150 million.
- 1.4 billion people have no access to electricity worldwide – most of whom live in rural areas of the developing world. Energy poverty in many regions is a fundamental barrier to reducing hunger and ensuring that the world can produce enough food to meet future demand.
It is time to rethink how we grow, share and consume our food.

- If done right, **agriculture, forestry and fisheries** can provide nutritious food for all and generate decent incomes, while supporting people-centred rural development and protecting the environment.

- Right now, our soils, freshwater, oceans, forests and biodiversity are being rapidly degraded. Climate change is putting even more pressure on the resources we depend on, increasing risks associated with disasters such as droughts and floods. Many rural women and men can no longer make ends meet on their land, forcing them to migrate to cities in search of opportunities.

- A profound change of the global food and agriculture system is needed if we are to nourish today’s 795 million hungry and the additional 2 billion people expected by 2050.

**The food and agriculture sector offers key solutions for development, and is central for hunger and poverty eradication.**
Sustainable Development Goals

As the Millennium Development Goals expire towards the end of this year, world leaders will gather at the UN headquarters in New York in September to launch the post-2015 development blueprint, the Sustainable Development Goals (SDGs).

The Road to Dignity by 2030: Ending Poverty, Transforming All Lives and Protecting the Planet
Goal 2: End Hunger, achieve food security and improved nutrition and promote sustainable agriculture

- End hunger and ensure access by all people to safe and nutritious food all year round
- End all forms of malnutrition and address the nutritional needs of adolescent girls, pregnant and lactating women, and older persons
- Double the agricultural productivity and the incomes of small farmers, respecting the environment and the biodiversity of each region
- Prevent problems such as drought, floods and other disasters
- Protect the variety of species of seeds, crops and farm animals and fairly distribute the benefits of these resources
- Increase investment in rural infrastructure, agricultural research, technology development, and plant and livestock gene banks to improve agricultural productive capacity in developing countries
- Correct and prevent trade restrictions and distortions in world agricultural markets
- Adopt measures to ensure the proper functioning of food commodity markets and their derivatives to help limit extreme food price volatility
What is Sustainability?

Sustainability calls for a **decent standard of living for everyone today without compromising the needs of future generations**. This means finding better ways of doing things. Such as:

- How can we help people move out of poverty and get good jobs, while protecting the environment?
- How can we provide access to clean energy for everyone, and make sure that the energy we produce doesn’t contribute to climate change?
- How can we make sure that everyone can get the water, food and nutrition they need?
- How can we shape our cities so that everyone can enjoy a decent quality of life?
- How can we make sure that our oceans are healthy and that marine life is not threatened by pollution and climate change?
- How can we make sure that our communities are resilient in the face of natural disasters?
Private Sector Role

- Private Sector is a **Strategic Partner** - by reinforcing the nature of ethical business practices, businesses can move beyond financial contributions and move towards on areas as wide-ranging as climate change, food security, gender equality, human rights and good governance.

- The main industry players are creating their competitive advantage by setting internal standards that are far more stringent than those required by law -most of these companies are embracing the global challenges as Climate Change, Water Scarcity, Food Security and Poverty and including them on their corporate strategies. Leading their partners and suppliers to follow their sustainable policies.
**Complex Value Webs**

Public and Private sector are being heavily challenged as basic fundamentals of trade and food supply are transformed. Globalisation, complex and connected value webs coupled with the competitive environment are creating food safety and quality risks on an industrial scale. This is a growing problem of risk seen across industries; however for the F&B sector this is an area where failures can be fatal.
The role of Assurance – Transparency and ... Trust

- To tackle food security, non-sustainable practices, safety and quality concerns food companies, investors and governments rely on third party assurance as well as in supply chain integrity, fraud prevention, traceability, crisis management and regulatory compliance services.

- Transparency, is a growing requirement from several stakeholders, society is demanding the F&B sector sustainable practices namely regarding sourcing – therefore assurance is becoming a powerful tool in overcoming trade barriers and ensuring market access for even the smallest of suppliers.
**Belief**
Tomorrow’s successful companies will create value by meeting the world’s economic, social and environmental needs.

**Position**
One of the world’s top three certification bodies for management systems, products, persons, supply chains and facilities.

**People**
We are 2000 highly skilled employees with a reason to get up in the morning.

**Partnership**
Working with our customers to take a broader view in order to build sustainable business performance and create stakeholder trust.

**Innovation**
Certification, verification, assessment, training and sustainability advisory services that help companies meet changing demands.

**Presence**
We help 70,000 customers in 187 countries. More than 6,000 food companies certified, helping them ensure quality and safety from farm to fork.

**DNV GL Group**
Independent foundation created in 1864. Today our reach is global. Operating in more than 100 countries, our 16,000 professionals are dedicated to helping customers make the world safer, smarter and greener.
Our Purpose
To safeguard life, property, and the environment.

Our Vision
Global impact for a safe and sustainable future.

Our Belief
Tomorrow’s successful companies will be those that create value while meeting the world’s economic, social and environmental needs.
How do we care & work to drive change?

Customers
We are dedicated to help manufacturers and suppliers around the world achieve excellence in food safety and quality, environmental management, supply chain management and product sustainability.

Research & Innovation
Through our R&I Program, we look ahead and work to advance knowledge around megatrends like climate change but also more specific topics related to the food industry such as water management and the future of management systems.

Partnerships
We strongly believe in collaborating with other organizations in order to drive change. For example, UNIDO and Water Footprint Network on water management, Sedex on supply chain management and World Business Council for Sustainable Development.
We cooperate with key stakeholders in the industry

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A world leader in non-financial assurance...

DNV GL has received numerous external recognitions and awards for our leadership in non-financial assurance. These include:

- Corporate Register’s *Credibility through assurance* award for Assurance of The Co-operative’s Sustainability Report
- First place in the CarbonSmart Assurance Index 2013 for CRH’s assurance
- Top supplier of sustainability assurance services 2014.
- Best Verification Company EU ETS (2014)
- Best Verification Company Kyoto Project Credits (JI & CDM, 2014)
- Lead verifier of [UNFCCC rules/procedures](#) for a number of years
- Accredited verifier for Verified Carbon Standard and Gold Standard; accredited to American National Standards Institute’s ISO Standards 14065/ 14064-3
# Our value proposition along F&B supply chain

## Certification – Assurance

- Quality & Food Safety (GFSI Food Safety)
- MSC (Health, Safety & Environment)
- Social Accountability
- Energy & Green House Gas Emissions
- Responsible Supply Chain Certification
- Sustainability Report Assurance
- Cause Related Marketing
- Product Stewardship/EPD/Product Carbon & Water
- Footprint
- Product Certification
- Supplier audit (SEDEX / Ethical / Food Safety)

## Advisory

- Stakeholder Engagement
- Reputational Risk and Crisis Management
- Development of Sustainability Report
- CSR Assessment (ISO 26000)
- Development of private standard/guidelines
- Energy efficiency audit
- Organizational GHG Inventory
- LCA/Carbon & Water Footprint
- Green Procurement
- Training
- Due Diligence
DNV GL Audit Capability in the Food Sector
Thank you!

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SAFER, SMARTER, GREENER