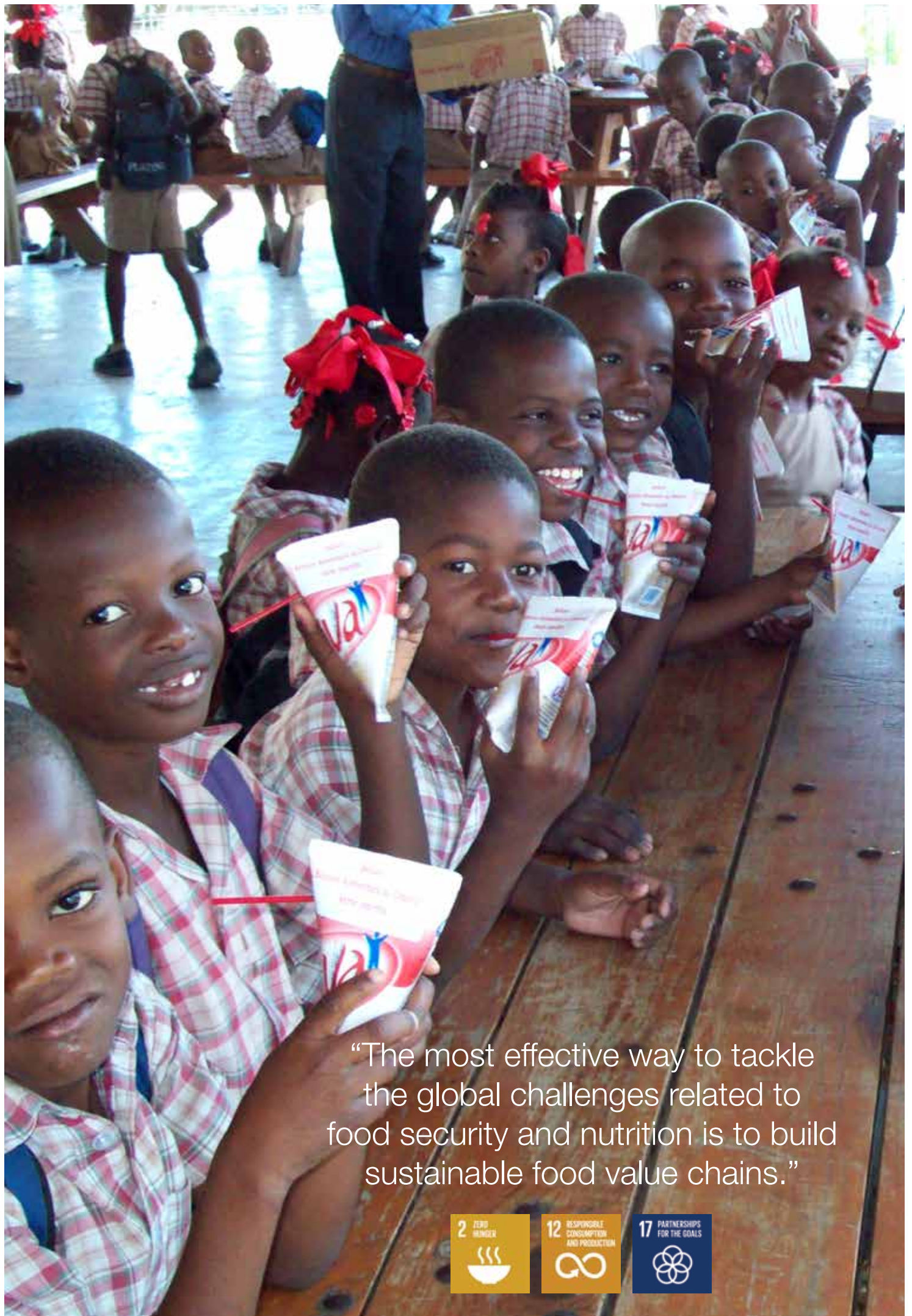




FOOD FOR DEVELOPMENT

INCREASING THE WORLD'S ACCESS TO SAFE FOOD





“The most effective way to tackle the global challenges related to food security and nutrition is to build sustainable food value chains.”





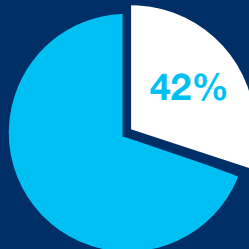
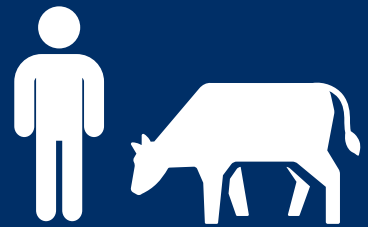
821
million
people

821 million people are undernourished.
Approximately 1 out of 5 children (22%) suffer
from stunted growth.



151 million

Source: FAO



867

360

360 million tonnes of milk are produced by smallholder farmers
out of a global production of 867 million tonnes of milk.

Source: IFCN

368
million children



in 169 countries worldwide receive food in their schools, mostly through government budgets.

Source: WFP

Tetra Laval Food for Development actively drives development of the entire dairy and food value chain through cooperation with customers, governments, development cooperation agencies, funding organisations and NGOs all over the world. Through our activities we add value to our customers at the same time as supporting development of emerging countries and increasing access to nutrition around the world.

WORKING IN PARTNERSHIPS

To build sustainable food value chains and address global challenges related to food security and nutrition, it is essential to collaborate between stakeholders. Working in partnership across borders is necessary. We are working together with the public sector in many countries, mostly with Ministries of Agriculture and Ministries of Education. We also have a strong network within the United Nations collaborating with World Food Programme (WFP) and Food and Agriculture Organisation (FAO). We are working alongside with many Non-Governmental Organisations such as: Global Child Nutrition Foundation (GCNF), GAIN Nordic Partnership and the Scaling Up Nutrition (SUN) Business Network.





SCHOOL FEEDING AND NUTRITION

Today, 368 million children in 169 countries receive food in their schools, mostly through government budgets. Milk is served in around 60 countries, either as a component of a school feeding programme or as a separate milk programme. School feeding is a good investment for a country – for every \$1 spent, WFP estimates that at least \$3 is gained in economic returns.

SCHOOL FEEDING IN TETRA PAK PACKAGES

For more than 56 years, we have proven the value to society and individuals from the

development of school feeding and nutrition programmes. The first School Feeding Programme using Tetra Pak packages was introduced in Mexico in 1962 in collaboration with *National System for Integral Family Development* (DIF), and is still today covering millions of children. Globally, more than 66 million children in 59 countries receive milk or other nutritious beverages in Tetra Pak packages in their schools.

We offer our partners practical support in implementation and evaluation of school feeding programmes, and can advise on food

safety and quality controls in schools.

Through collaboration and partnerships, for example with UN Agencies, Governments, NGOs, and International Aid Agencies, we share best practices and our knowledge in school feeding programmes worldwide. Information about environmental education and how to recycle carton packages are always included in our support. We also have a strong background supporting our customers in developing and launching new fortified and nutritious beverages being used in school feeding programmes.

66 million children



in 59 countries receive milk or other nutritious beverages in Tetra Pak packages in schools.

Country Examples of School Feeding Programmes:

DOMINICAN REPUBLIC

The Ministry of Education's school feeding programme is reaching more than one million primary school children every year. Together with the WFP, we have supported improvement of quality control and food safety in the distribution chain.

- Number of children:** 1 060 000
- Beverage:** Fortified milk
- Programme funder:** Government
- Results:**
 - Anemia reduction: 24.2% (for children 6-14 years).
 - Malnutrition reduction: 18.4% reduction.

ZAMBIA

The school milk programme in Zambia was launched in 2011 to stimulate the local dairy industry. The programme was implemented in partnership between WFP, Sida, the government and Tetra Laval.

- Number of children:** 17 000
- Beverage:** Milk
- Programme funder:** Swedish International Development Agency (Sida)
- Results:**
 - Body Mass Index improvement: 11.2% for girls and 5.2% for boys.
 - Attendance improvement: 7.6%

THAILAND

School milk in Thailand was introduced in 1992. In 2019, 40% of the total milk produced in Thailand is being used for the school milk programme. Impact studies of the programme have shown great results.

- Number of children:** 7 200 000
- Beverage:** Milk
- Programme funder:** Government
- Results:**
 - Malnutrition reduction: 47%
 - Additional height increase: 3 cm per year



DAIRY DEVELOPMENT

The total global demand for milk is set to overtake available supply over the next decade. In the long term, the dairy industry is facing the emergence of a persistent gap between supply and demand – a supply deficit fuelled by population growth, rising prosperity and urbanisation in Africa, Asia and Latin America. As nearly 1 billion people live on dairy farms, small holdings or in landless households keeping one or a few animals, the milk and dairy industry holds huge potential and opportunities to create jobs and increased incomes for all the people along the value chain. 360 million tonnes of milk are produced

by smallholder farmers out of a global production of 867 million tonnes of milk.

We have developed the Dairy Hub model to secure a long-term supply of locally produced quality milk without an increased cost in the collection. Through our model, we collaborate in building sustainable value chains by improving smallholder farmers' productivity, thereby supporting our customers to source more milk with a higher quality. The Dairy Hub model links smallholder farmers to a dedicated dairy processor in a selected area, and we provide "hands-on" practical knowledge transfer. By providing farmers training services

and setting up appropriate cooling infrastructure and technology, the supply of locally produced quality milk will increase. As a result, the dairy processor can establish a more stable supply of milk and provide access to market for the smallholder farmers. Our international dairy experts will provide technical assistance support on the ground.



Country Examples of Dairy Hub projects:

BANGLADESH

In 2019, five Dairy Hubs are up and running. Cooperation with our customer PRAN RTL started in 2010. The Swedish International Development Agency and UNIDO were vital partners in scaling up the project.

Results during 60 months

- Average milk yield/cow/day:** +143%
- Milk collected in hub 1 per day:** +1950%
- Average income per smallholder farmer per month:** +144%

NICARAGUA

We started a dairy development project in Nicaragua in 2012 together with our customer Centrolac and the dairy development organisation venture | dairy. Two hubs are up and running, and the project has shown great results both for the smallholder farmers and the dairy processor.

Results during 12 months:

- Average milk yield/cow/day:** +27%
- Milk collected in hub 1 per day:** +93%
- Average income per smallholder farmer per month:** +137%

KENYA

The Dairy Hub project in Kenya started in 2017, in collaboration with our customer Uplands Dairy. Extension Service Officers started training reference farms and will scale-up gradually to reach 7,000+ smallholder farmers.

Results during 12 months:

- Average milk yield/cow/day:** +150%
- Milk collected in hub 1 per day:** +16%
- Milk collection cost decrease:** -5%

TETRA LAVAL FOOD FOR DEVELOPMENT actively drives development of the entire dairy and food value chain through cooperation with customers, governments, development cooperation agencies, funding organisations and NGOs all over the world. **Read more at tetrapak.com/sustainability/food-availability**

The Tetra Laval Group consists of three industry groups, Tetra Pak, Sidel and DeLaval, all focused on technologies for the efficient production, packaging and distribution of food.

 **Tetra Pak**

 **Sidel**

 **DeLaval**

 **Tetra Laval**