

AGRIFOOD

Discover the TopDutch AgriFood industry, where our ecosystem of knowledge and innovation communities, business and government are growing the green and digital value chains of the future.

As a small, densely populated country, the Dutch were driven to optimize their agricultural yield, whilst still being committed to sustainable agriculture. Realizing unparalleled yields and becoming the world's second largest exporter of food, it may well be the Dutch who will guide the world on how to feed the 10-11 billion people that will inhabit planet Earth by 2040. Gaining a global leadership position in agriculture because of their strong focus on input, in the Netherlands we are now expanding our expert position and impact by maximizing value from output, creating the food, bio-based and circular value chains of the future. Here, we grow a healthy future.

Dairy Capital of Europe

- Feeding a healthy and sustainable economy
- Gateway
 to EU market
 access to
 talent

- Healthy Ageing Capital of Europe
- Worldclass knowledge & innovation communities

DAIRY CAPITAL OF EUROPE

The TopDutch region is dedicated to building the most innovative, sustainable, remunerative and animal-friendly dairy chain in the world.

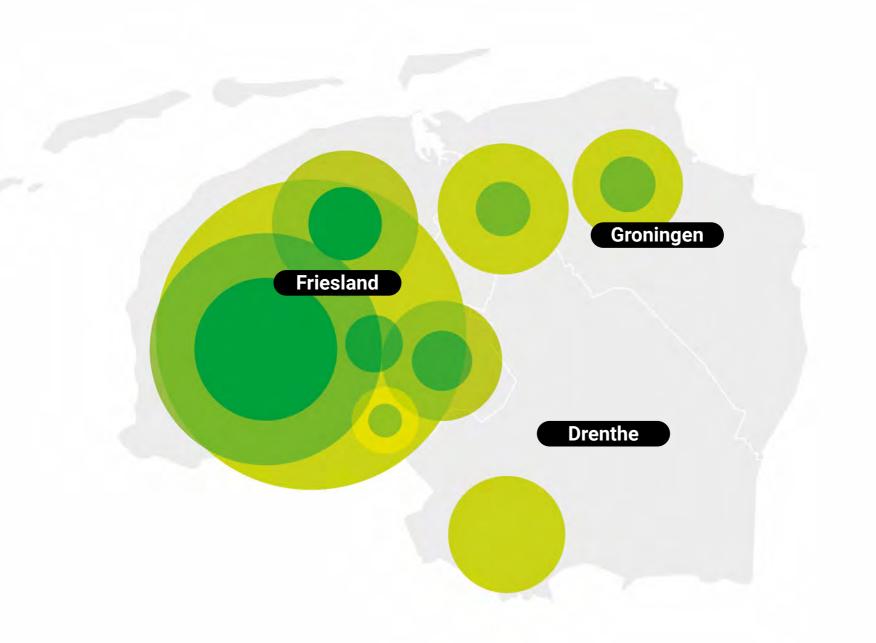




- Highest quality dairy is 'Made in Holland'. Dutch milk companies
 protect their product's quality by far beyond industry-standard
 monitoring, in every step in the process of the production chain,
 minimizing risk of contamination and losses.
- Offering the ideal business environment. The TopDutch region provides direct access to a suitably-skilled workforce. Together with favorable government policies, fiscal climate and geographic and geo-political positioning, we enable every business in the chain to thrive.

Cow density in the TopDutch region





2 HEALTHY AGEING CAPITAL OF EUROPE

The Healthy Ageing Capital of Europe, dedicated to extend the human lifespan with more healthy years by performing groundbreaking research to support a healthy diet and lifestyle.







- We are developing healthy ingredients and advanced nutrition.
 In the TopDutch region we have many research and development facilities and innovation communities developing useful nutritional value from a wide variety of crops that support healthy ageing.
 By extracting dietary building blocks from crops we develop new
- A focus on healthy agriculture; inclusive and circular.

 Besides the food we consume in our diet, our health is being affected by our environment. In the TopDutch region we are dedicated to sustainable farming; protecting biodiversity, land, seed and crop quality; optimizing processes for sustainability and promoting circularity.

and advanced nutrition.

FEEDING A HEALTHY AND SUSTAINABLE ECONOMY

The TopDutch region is dedicated to feed linking industries with sustainable building blocks for a healthy economy and accelerating the protein transition.





- Cross-over with green chemistry and bio-based economy.
 The crops that grow in our agricultural hinterland provide the bio-based economy and our Green Chemistry ecosystem,
 Chemport Europe, with an abundance of green building blocks.
 We are able to extract valuable chemical building blocks, such as sugars, starches, glucose, carbohydrates and lignin from sugar beets, potatoes, woodchips and even shrimp shells. We produce and recycle green packaging materials for the food industry and produce bio-methanol from wasted biomass.
- Cross-over with energy. Our farms have become energy producers instead of energy consumers. Agricultural waste is used as feedstock for green gas and bio-energy.
- Cross-over with digital innovation. Cross-linked with our Digital Innovation ecosystem, we develop new technologies such as soil sensor systems, smart dairy farming technologies and technologies that perform calibration measurements to optimize the performance of our cultivation and greenhouses.

- Cross-over with WaterTech. Cross-linked with our WaterTech innovation chain, we develop water recycling and resource recovery solutions for the AgriFood industry.
- Cross-over with Healthy Ageing. Together with regional Life Sciences & Health research partners we unfold protein structures in food for advanced antibiotics research and we research healthy nutrition at our Carbohydrate Competence Center (CCC) and Food Circle.
- Growing crops for plant-based proteins to accelerate the protein transition. In the TopDutch region we are able to extract valuable proteins from potatoes, peas, beans, vegetables, seeds and other crops. Although today most proteins consumed are still animal-based, from protein rich dairy and meat, we see a strong shift in demand for plant-based proteins in the industry and consumer market. Our AgriFood industry is more and more providing these plant-based proteins in large quantities to accelerate the protein transition.

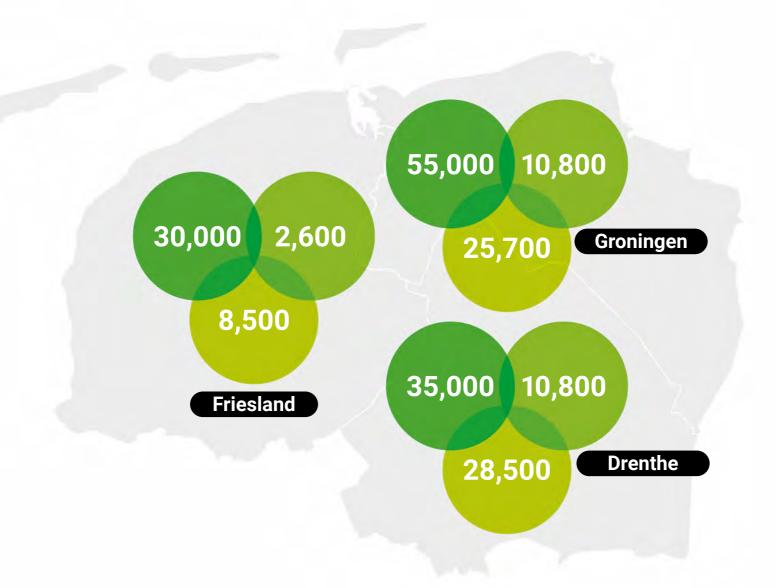
TopDutch agricultural building blocks

Hectares

Potatoes

Sugar beets

Wheat



WORLD-CLASS KNOWLEDGE AND R&D COMMUNITIES

The TopDutch region has the best knowledge institutes and communities for cutting edge AgriFood innovation R&D.





TopDutch AgriFood key locations

- 1. Wageningen University & Research
- 2. Dairy Campus (part of WUR)
- 3. Field crop test location (part of WUR)
- 4. University of Groningen
- 5. Healthy Ageing Campus
- 6. Zernike Campus (Innolab Food)
- 7. Water Campus
- 8. Seed Valley
- 9. Food Valley
- 10. Potato Valley



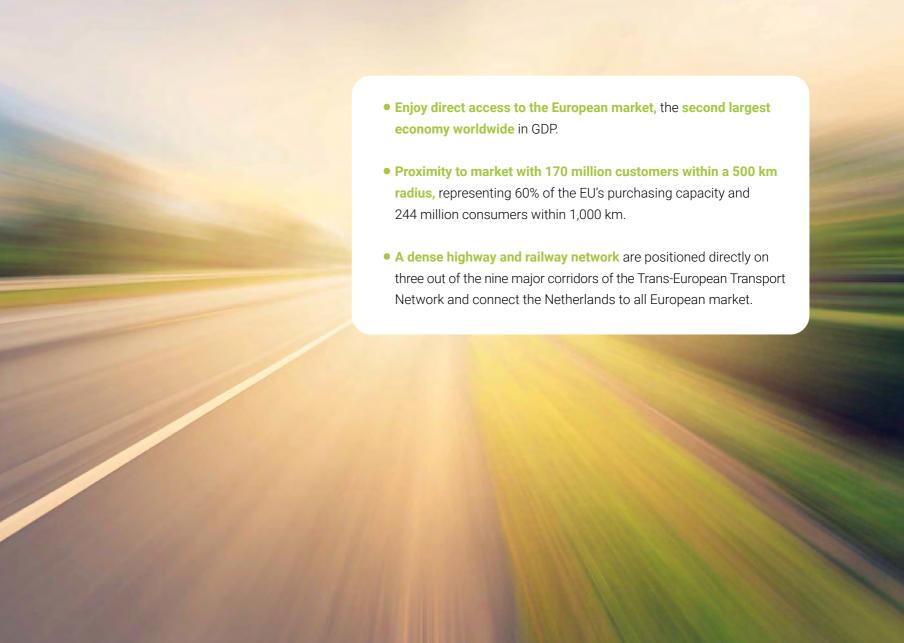
• The Netherlands has cutting edge food innovation R&D

- 12 of the 40 largest AgriFood companies have located their R&D facilities in the Netherlands.
- The Netherlands has the third highest private R&D investments in AgriFood in Europe.



5 GATEWAY TO EUROPEAN MARKET AND ACCESS TO TALENT

The Netherlands is the ideal gateway to the European market and TopDutch provides access to AgriFood talent at all levels.





Proximity of European demand to the TopDutch region

244 million consumers within 1,000 km

• The Netherlands is the ideal trade partner in AgriFood

- The Netherlands is the second largest exporter of agricultural products worldwide.
- Total value of AgriFood exports of the Netherlands amounted to 652 billion USD in 2018, approximately 3.7% of total food exports worldwide.
- The Netherlands is one of the largest exporters in seeds,
 approximately 40% of all vegetable seeds are from the Netherlands.
- The Netherlands is the best overall performer in trade facilitation worldwide, because of our pro-business attitude, and its speedy transshipment of goods with low risk of delays.
- The Netherlands has the best VAT regime in the European Union.
 The Netherlands scores 14/14 on the Deloitte VAT index of 2016.
 Our companies experience a considerable cash flow advantage and low administrative burden because of the Dutch VAT system offering VAT deferment at import.





• The TopDutch region provides access to talent:

- The TopDutch region educates excellently, to different levels.
 A network of the world's best research universities, universities of applied sciences, vocational education institutions and dedicated research and innovation communities educate talent within the region.
- The TopDutch region welcomes international AgriFood talent.
 The largest global AgriFood companies with production and R&D facilities in the region, and our excellent research and innovation communities attract the best talent from around the globe.



Are you interested in exploring what your business possibilities could be?

Connect with Joep de Vries,
our AgriFood expert.

T: +31 6 253 926 71 E: jdevries@nom.nl

JOIN TOPDUTCH

Want to find out more about what makes the TopDutch region a good place to be great, or view the digital edition? Head over to our website www.topdutch.com

The TopDutch collective:

Economic region



provinsje fryslân provincie fryslân

provincie Drenthe

Executive partners





Ministerie van Economische Zake en Klimaat



Netherlands Foreigr Investment Agency

Regional partners









Knowledge partners



/ university of groningen













Industry partners









TOPDUTCH.COM

A good place to be great