

Soybean production in Italy: why the largest producer in EU?

Tiziana Centofanti

Central European University

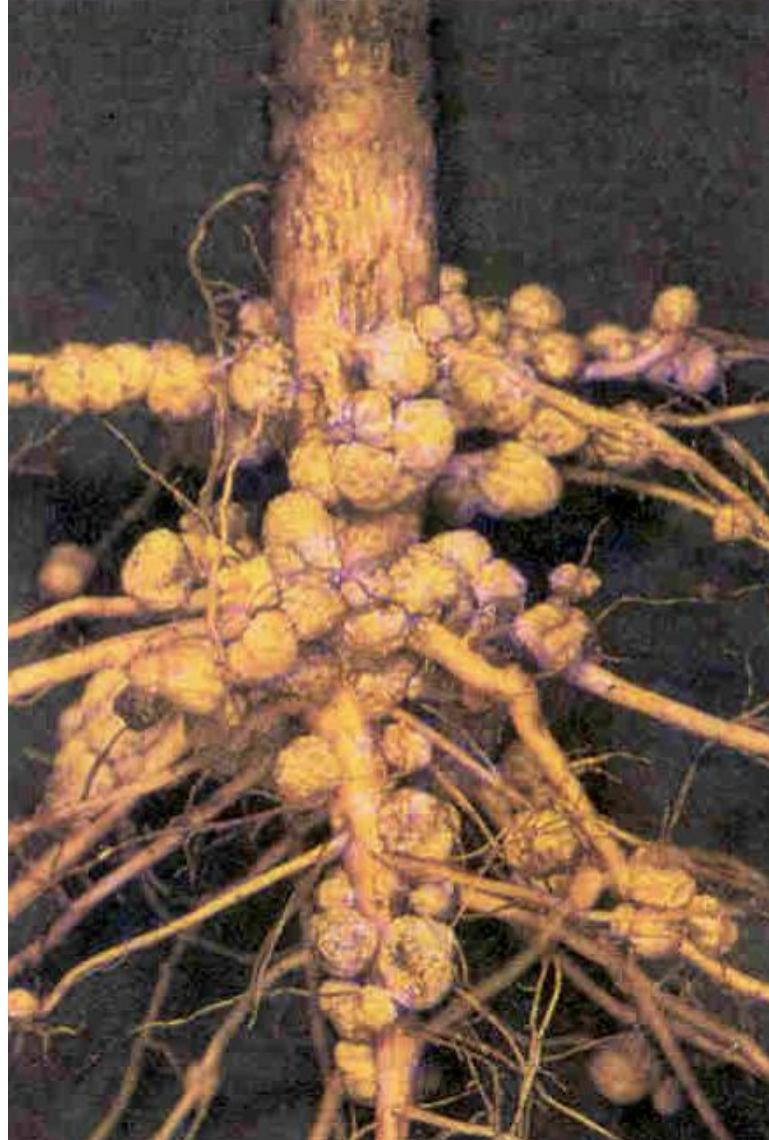
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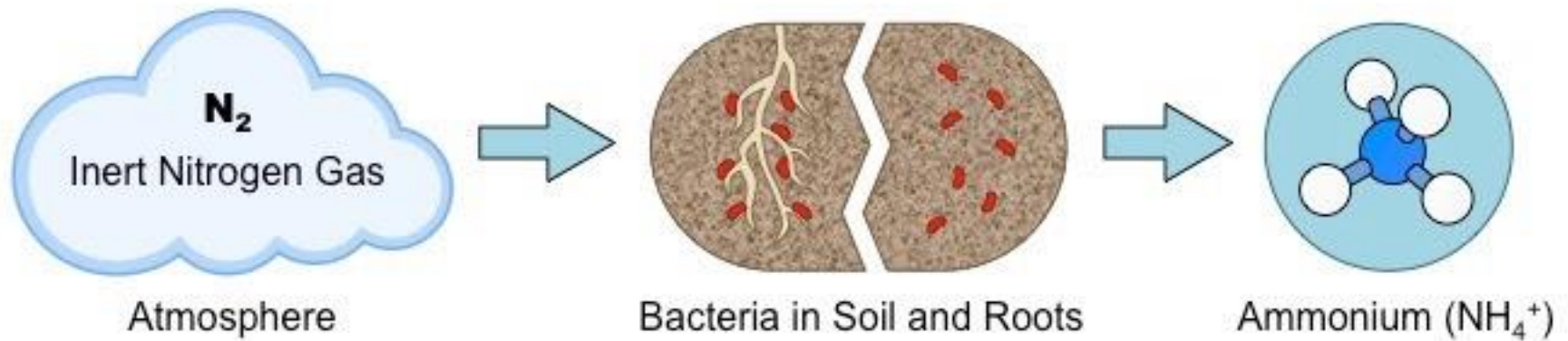
centofantit@spp.ceu.edu

Why should farmers grow more soybean



Why should farmers grow more soybean

Nitrogen Fixation



Why should farmers grow more soybean



Increase:

- ▲ fertility in agrosystems
- ▲ tolerance to abiotic stresses
- ▲ phosphorus solubilization
- ▲ sustainability

Decrease:

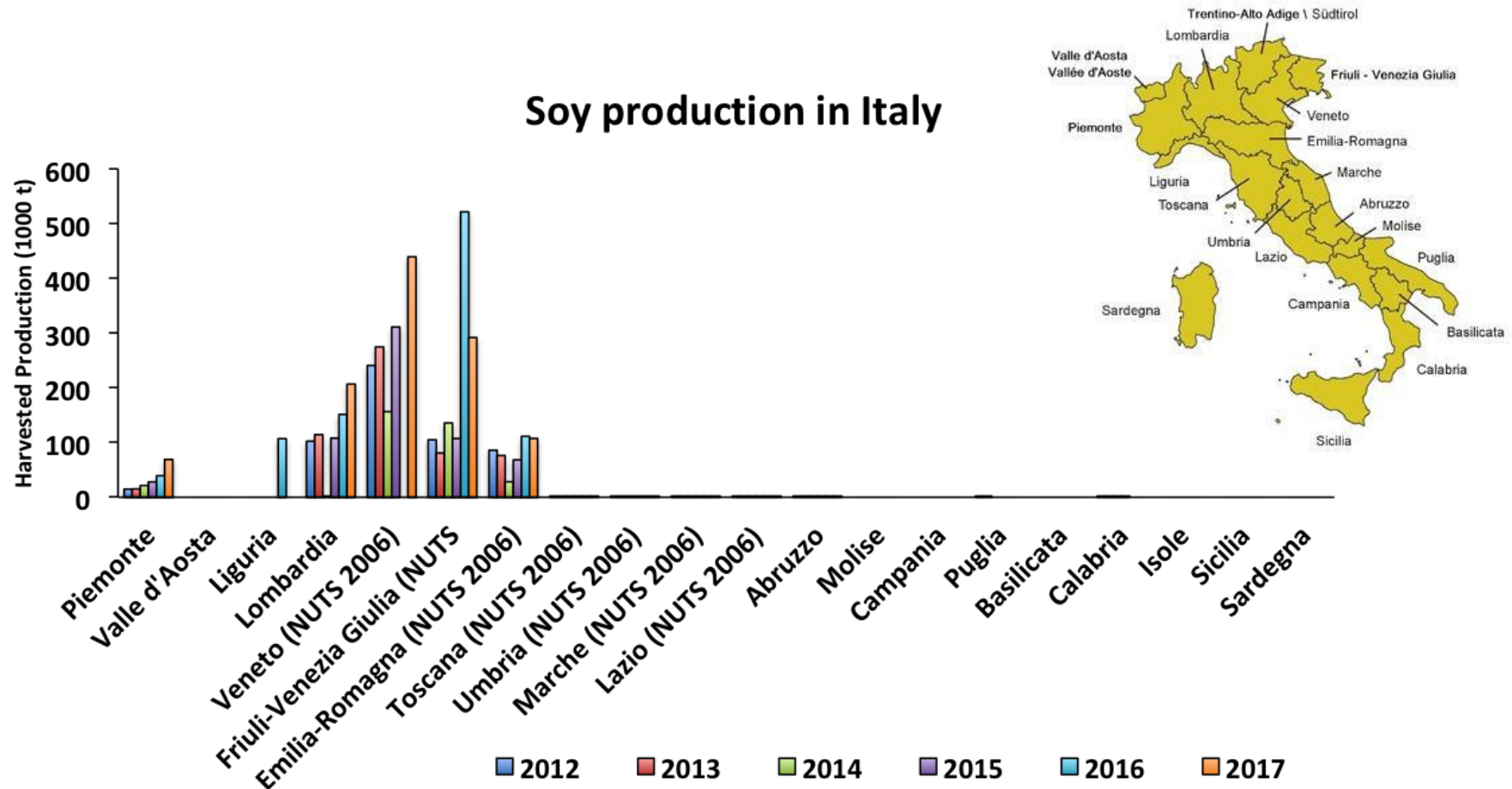
- ▼ use of fertilizers
- ▼ environmental pollution
- ▼ loss of organic matter
- ▼ global warming



Policy in support of soybean

- CAP greening payment: crop diversification, crop rotation
- EU soya declaration
 - Northern Italian farmers who grow soybean may receive $>50 \text{ € ha}^{-1}$
 - Southern Italian farmers may receive payments for legumes other than soybean

Where is soybean grown in Italy?



Why is soybean grown in Northern Italy?

- Ecology
- Technological advancement
- Know-how
- History
- Targeted CAP greening payment

Ecology + Agronomy



Second-harvested soybean seeded on wheat stubble with the Kverneland Optima HD e-drive seeder.

A moment of the drafting phase of the dripping wing, slightly buried to prevent any damage from animals and insects.

Technological advancements



Control unit with probe for monitoring soil moisture in order to determine the ideal moment of irrigation of soy.



The Kverneland HD e-drive seeder is ideal for direct sowing on wheat grain stubble.

Processing industry

SOIA ITALIA

ASSOCIAZIONE PROTEINE SOSTENIBILI

Soia Italia é un'associazione no profit nata nel 2014 per promuovere e sostenere lo sviluppo nel Nord Italia della coltivazione sostenibile di soia di qualità NO OGM.

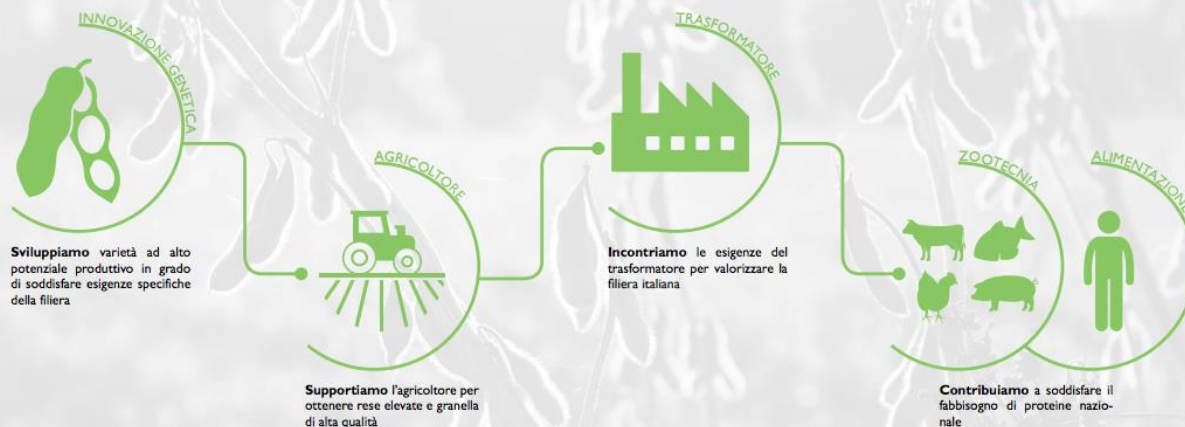
A non-profit association to transfer to the operators a series of knowledge and guidelines for sustainable soy production.

SCEGLIERE SIPCAM ITALIA COME PARTNER

SIPCAM ITALIA è in grado di mettere a disposizione del mercato una **squadra di veri specialisti della soia**, affinati da anni di esperienza specifica sulla coltura, della quale conoscono le molteplici necessità agronomiche e fitoiatriche.

Anche grazie a ciò, SIPCAM ITALIA è stata in grado di realizzare e curare gli aspetti tecnici di **SOIA ITALIA**, un'associazione interamente dedicata alla valorizzazione della coltura attraverso la collaborazione con differenti stakeholder, dal campo alle filiere di trasformazione.

SIPCAM ITALIA è infine in grado di fornire tutte le **soluzioni tecniche** necessarie all'ottenimento di **produzioni eccellenti**, ovvero genetica, mezzi di difesa e nutrizione.



SOIA ITALIA: UNA REALTÀ CHE CRESCE

Negli ultimi anni, l'associazione **Soia Italia** ha accresciuto il proprio network aderendo a **Soia Europa** associazione che persegue i medesimi scopi ed è oggi la realtà associativa più influente nella certificazione della soia della Comunità Europea.

Allo stesso tempo **Soia Europa** è entrata a far parte di **Soia Italia** dando maggior rilievo al nascente rapporto di collaborazione.

L'intento della partnership è quello di promuovere una filiera della **soia Europea** certificata e di qualità, valorizzando i processi ed i prodotti dalla coltivazione alla trasformazione.



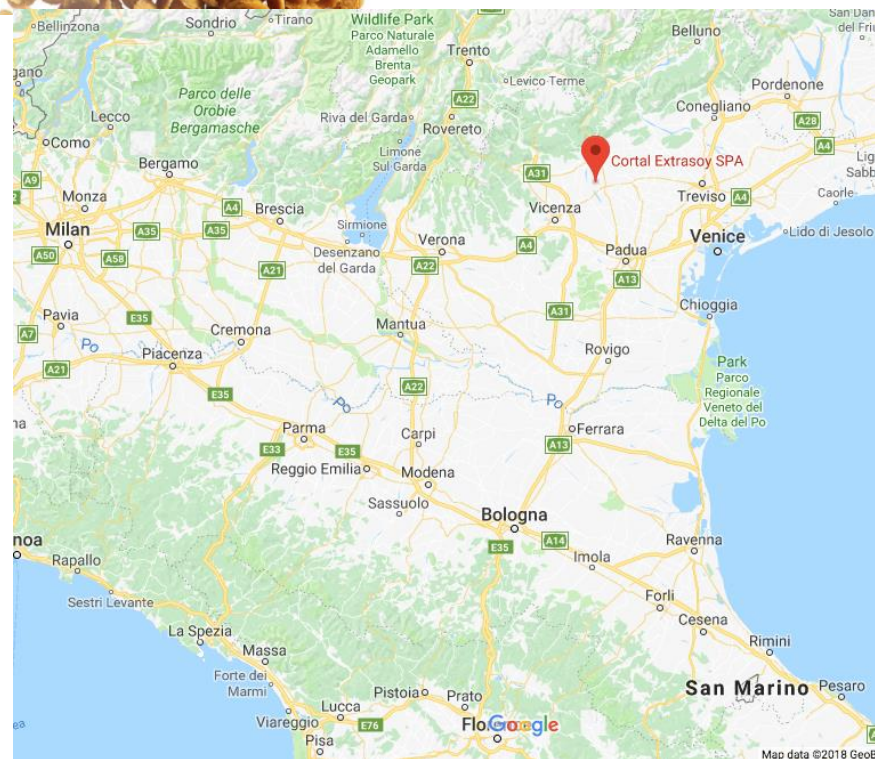
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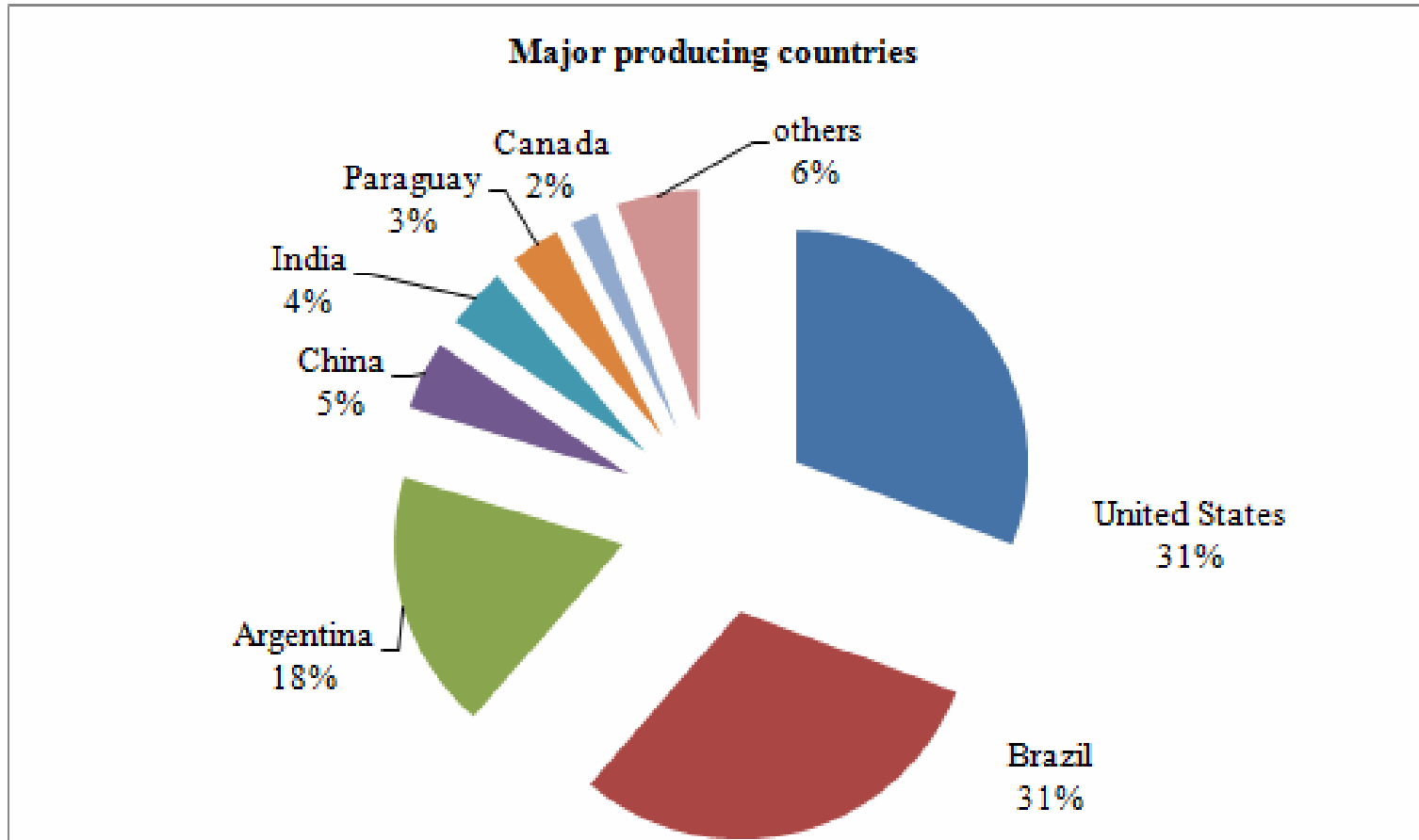
Has soybean grown in Italy in the past?

- 1889 – Damman & Co. located near Naples, is the earliest known Italian seed dealer to offer soybeans in its seed catalog.
- 1973 – After the Nixon administration imposed an embargo on all exports of soybeans from the U.S., Italy began to experiment seriously with soybean production
- Soy production skyrocketed from 9000 metric tons in 1981 to 1,751,000 metric tons in 1990
- One of the biggest soybean crushers was Ferruzzi Group and Ferruzzi-Montedison, renamed Cereol after 1990

What sustains soybean production?

- Heavy dependence on foreign markets
- Demand for non-GMO
- Vegetarian diets
- Lower Farming costs (N fertilizer, plant health interventions)

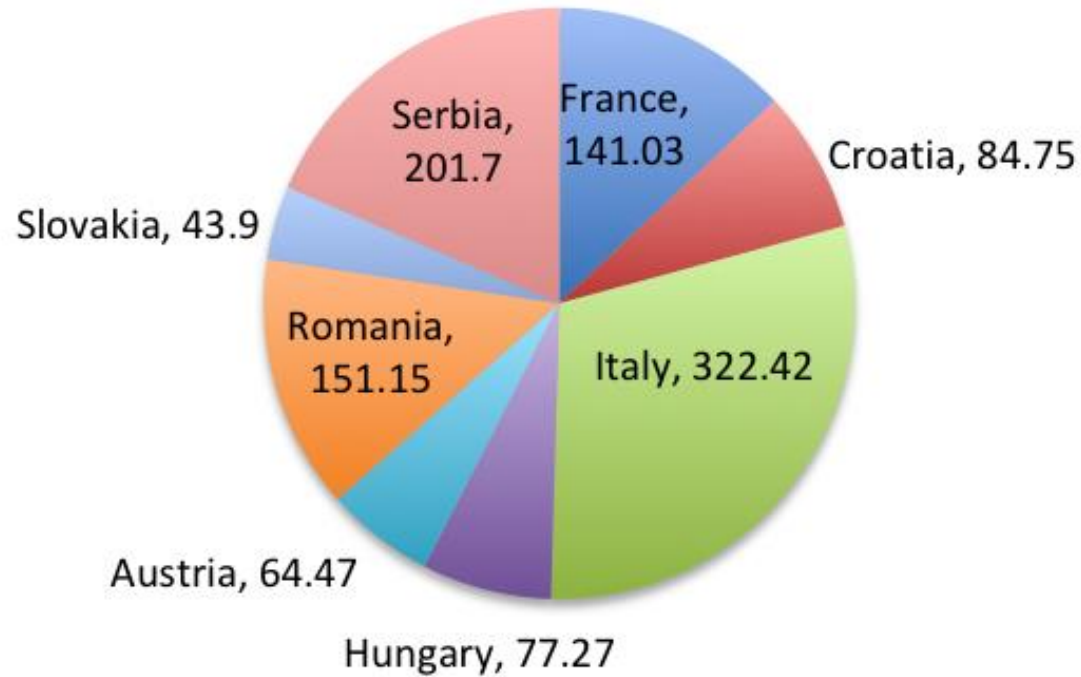
Soybean as monoculture



Source: USDA

Soybean production in the EU

Soy cultivation in 2017 (Thousand ha)



Source: Eurostat

GMO-free, new initiatives in Italy



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PARMIGIANO-REGGIANO: THE CONSORTIUM JOINS THE "GMO-FREE" CAMPAIGN

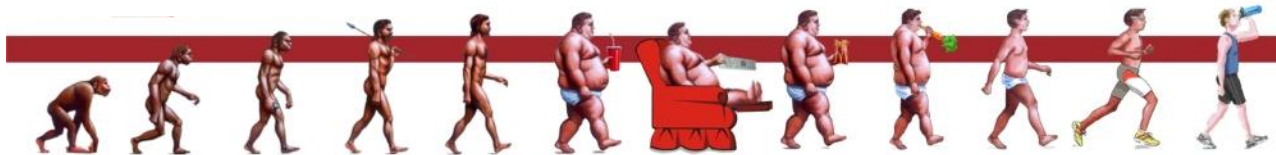
Reggio Emilia, 23rd October 2007 - The Parmigiano-Reggiano Cheese Consortium decided to join the "GMO-Free Italy and Europe" campaign.

"Even if the EFSA (European Food Safety Authority) clearly stated that, based on science, even in the event animal feed contained GMOs, **no trace of vegetable transgenic DNA is found in milk, meat and eggs**, hence in all animal products – the Consortium's President, Giuseppe Alai, underlines - we will invite all producers to join the **programme to use GMO-free animal feed**, thereby adopting an overall production policy aimed at **quitting the use of GM feed**".

Nutrition transition



FUTURE IS VEGAN - graffiti in Turin



Soya Danube partnership



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OUR AIMS

The Donau Soja Organisation aims to support the sustainable development of Europe's farming and food businesses by improving the production and use of protein for European consumers. The Organisation's most important objectives are the support of regional soya bean cultivation according to clearly defined quality criteria. This includes:

- » supporting the cultivation of sustainable soya in Europe according to European Union farm regulations and Donau Standards
- » establishing value chains with and in members' businesses, contributing to a European supply of plant protein
- » supporting research and innovation activities that support the development of European soy production

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European Soya declaration signing ceremony in Brussels, Belgium on Jul. 17, 2017.



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13 EU member states sign the European Soya declaration

By Irene Kostaki

Journalist, New Europe

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A German-Hungarian proposal that aims to boost soy growth in the EU led to an important step, as 13 EU member states have signed the European Soya declaration on Monday

Under the hospice of the Hungarian permanent representation to the EU, ministers of Agriculture Austria, Croatia, Finland, France, Germany, Hungary, Luxembourg, the Netherlands, Poland, Romania, Slovenia and Slovakia signed the declaration on the sidelines of the 17 – 18 July Agriculture and Fisheries Council in Brussels.