



TRansition paths to sUstainable
legume-based systems in Europe

Introducing the Market and Policies Sessions

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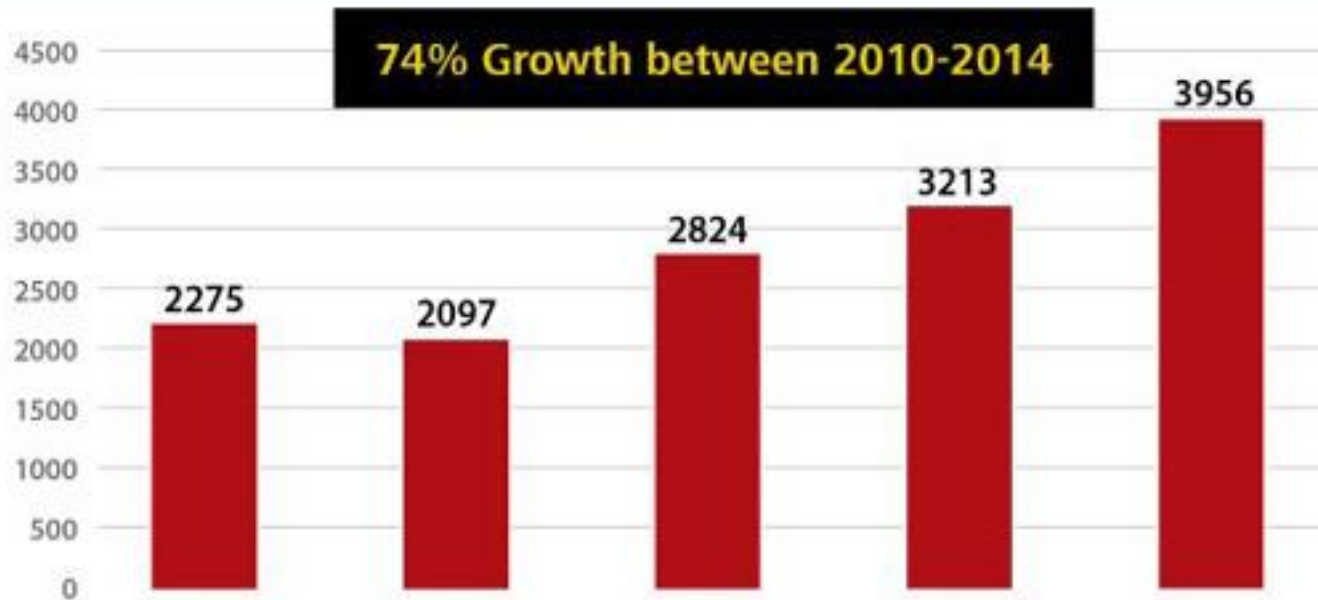


Legume markets – The TRUE approach: Holistic, complex, integrated and forward-looking





Pulse Ingredient Product Launches



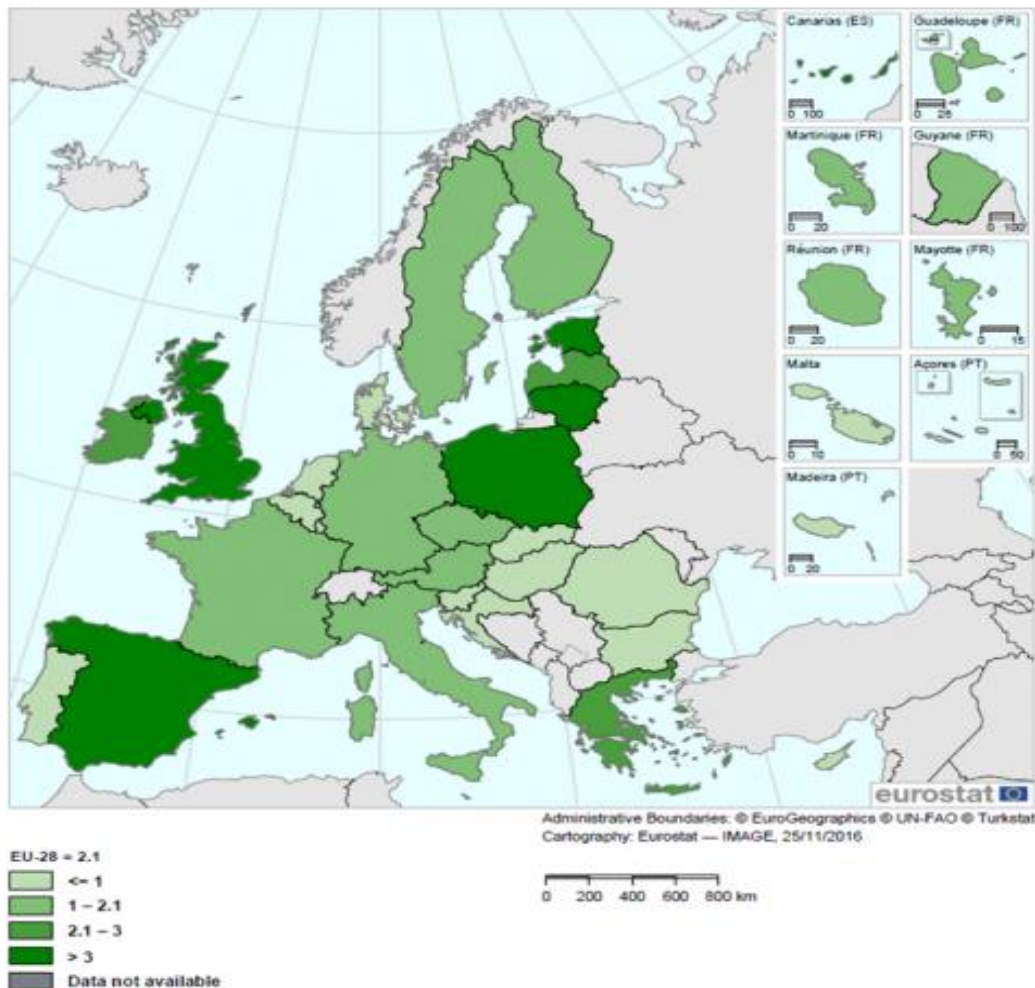
Top Categories: bakery, meals, snacks, processed fish/meats/egg, soup, dogfood, meal replacements



Source: Innova Market Insights January 2015 (US & Canada)



Share of dry pulses area in total arable land, 2015 (%)



Source: Eurostat (online data code: apro_acs_a)

EU legume markets

About the market:

- Dynamic
- Local and global
- Supply chains essential for competitiveness
- Profitable?

Market drivers:

- Consumer demand
- Protein for feed
- Environment and climate
- Business opportunities
- EU legume strategy



SUSTAINABLE PROTEIN PRODUCTION

- Given the problems and **contradictions** of food systems
- Legumes became **protagonists** of food policy debates: meat analogues, #IYP2016, Protein Transition, Protein Challenge 2040, Green Protein Alliance, FOOD2030, Soya Declaration
- **Policy Paradox**: Policy that supports legume-based food production **failed** to increase legume-based diets
- **Which policy innovations could help transition?**

CAP reform: From sustainable feed to sustainable food

DISCLAIMER: All opinions in this column reflect the views of the author(s), not of EURACTIV.com PLC.



Europe's imports of soy from Brazil contribute to deforestation, loss of biodiversity and food insecurity. [Lima Pix/Flickr]

The German-Hungarian 'Soya Declaration' finally gets us talking about what matters in CAP reform, write Olivier De Schutter, Oscar Rivas and Karin Nansen.

Olivier De Schutter is UN special rapporteur on the Right to Food (2008-2014) and co-chair of the International Panel of Experts on Sustainable Food Systems (IPES-Food). Oscar Rivas, former Environment Minister of Paraguay, Karin Nansen, chair of Friends of the Earth International & founding member of REDES/ Friends of Earth Uruguay



POLICY INNOVATIONS

- Vegetarian option in canteens
- Legumes in food plate
- Pulse & Grain Pioneers in UK: top quality ingredients and delicious foods (fava bean, black badger peas)

RODA DA ALIMENTAÇÃO MEDITERRÂNICA CULTURA, TRADIÇÃO E EQUILÍBRIO!



Esculte alimentos locais e de época



Valorize a gastronomia saudável



Promova legumes - Partilha saudável



Use ervas aromáticas



Lembre-se dos frutos grossos



Moa-se - Distra-se



Se está a beber ou a emagrecer não beba

Se é adulto e bebe vinho
limite a uma moderada e a 2 refeições



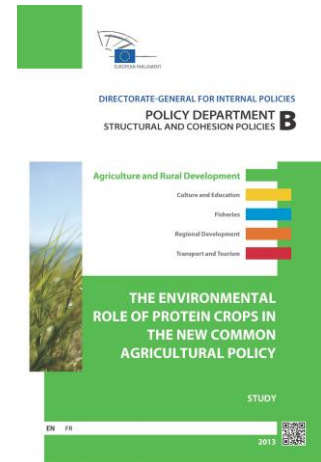
DIETA MEDITERRÂNICA

ESTA REPRESENTAÇÃO GRÁFICA É UM COMPLEMENTO À NOVA RODA DOS ALIMENTOS



Which policies would help increasing the production?

- **Beus et al 2013: integrated approach** with greening measures, investment in research, constraints on the use of synthetic nitrogen fertilizer
- **Legume Futures Reports** (Helming et al. 2014., Topp et al. 2014): international trade and climate-change mitigation are likely to have the most significant effect



 Legume Futures
Legume-supported cropping systems for Europe

Legume Futures Report 4.5
Impacts of legume-related policy scenarios

Compiled by:
John Helming, Tom Kuhlman, Vincent Linderhof, Diti Oudendag (LEI)

23 February 2014



Legume-supported cropping systems for Europe (Legume Futures)
is a collaborative research project funded from the European Union's Seventh Programme
for research, technological development and demonstration under grant number 245216
www.legumefutures.eu



SCIENCE-POLICY INTERFACE 'PULSE EUROPE'

- **Co-design** in the elaboration of the research agenda
- **Co-production** as joint knowledge generation in various levels
- **Co-creation** of new governance solutions
- **Co-dissemination** and synthesis for facilitating the validation, application and reception of the results

