

EUCARPIA INTERNATIONAL SYMPOSIUM ON PROTEIN CROPS V Meeting AEL [V JORNADAS DE LA AEL]

Pontevedra, Spain. 4-7 May 2015

First Announcement

PLANT PROTEINS FOR THE FUTURE

Because of the protein content of their seeds, grain legumes, cereals, pseudocereals and other minor crops, are attractive candidates for lowering the deficiency in plant protein production worldwide. However, despite their value, many of them are still not adequately assessed and many species are underutilized. Special attention has to be paid to genetic diversity of many species and its rational use for food, including the protein allergies and sensitivity, for feed and for agriculture and the environment, as well as to the limiting factors affecting yield, with water deficiency and other abiotic and biotic stresses being among the key factors, in order to obtain more stable, reliable and sustainable crop production through the genetic improvement of varieties.

Legumes, the main protein crops worldwide, contribute to the sustainable improvement of the environment due to their ability of biological nitrogen fixation and their effects on the soil and play a key role in the diversification and sustainable intensification of agriculture, particularly in light of new and urgent challenges such as climate change. In addition, the role of legumes in nutrition has been recognized as a relevant source of plant protein, together with other benefits for health. Soybean, peanut, common bean, pea, lupins, chickpea, faba bean, lentil grass pea, cowpea, pigeon pea, etc. are currently the most important legumes for human consumption and animal feed.

Amaranth and quinoa are considered "pseudocereals" and are also good sources of proteins. Amaranth seeds contain lysine, an essential amino acid, limited in other grains or plant sources but are limited in some essential amino acids, such as leucine and threonine. Amaranth seed may be a promising source of protein to those who are gluten sensitive. Quinoa seed is appreciated for its nutritional value with very high protein content for a pseudocereal (14%) and its nutritional evaluations indicate that it is a source of complete protein.

Although the main nutrients in cereals are carbohydrates, in wheat, rice, maize, oats, rye and other cereals, 7-12 % is protein. Glutamine, proline and glycine are the principal amino acids forming cereal proteins, including albumins, globulins, glutenins and prolamins. Gluten sensitivity and albumins and prolamins allergies are aspects that deserve special attention, and the proteomic approach could contribute to solve these problems.

Other protein crops deserve also attention. Flax/linseed seeds contain high levels of dietary fibre as well as protein. Hemp has up to 33% of seed protein, with an amino acid profile close to "complete". Caraway, also known as meridian fennel, is a biennial plant whose seeds are rich in protein and they include about 12 non-essential amino acids and nine essential ones.

This Symposium will be an opportunity for breeders and researchers to meet with agronomists, geneticists and dieticians, and discuss ways to improve production of protein crops.



ORGANIZATION

The Protein Crops Working Group of the European Association for Research on Plant Breeding (EUCARPIA), Oil and Protein Crops Section (OPC), and the Misión Biológica de Galicia (MBG) of the Spanish National Research Council (CSIC) organize this Symposium in Pontevedra, Spain, with the cooperation of national and internationally recognized scientific organizations. The official language of the Symposium will be in English.

PRESIDENT OF THE SYMPOSIUM

Prof Emilio Lora-Tamayo
President of the CSIC. Madrid, Spain.

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CSIC Delegate for Galicia. Santiago de Compostela, Spain

ORGANIZERS AND CONTRIBUTORS

- European Association for Research on Plant Breeding (EUCARPIA): www.eucarpia.org
- Misión Biológica de Galicia, Spanish National Research Council (MBG-CSIC): www.mbg.csic.es
- Delegation in Galicia, Spanish National Research Council (DLGGA-CSIC): www.delegacion.galicia.csic.es
- Spanish Association for Legumes (AEL): www.leguminosas.es
- Phytopathological Station do Areeiro-Provincial Chamber of Pontevedra (EFA-DEPO): www.efa-dip.org
- Sistemas Agroforestales, (Estación Fitopatológica de Areeiro de la Diputación de Pontevedra), Unidad Asociada a la Misión Biológica de Galicia (CSIC)
- Spanish Society of Nitrogen Fixation (SEFIN): www.ugr.es/~sefin/
- Department of Crop Production, University of Santiago de Compostela (DCP-USC): www.usc.es/en/departamentos/prodvexg/index.html
- Science Society of Galicia (SCG): scg.org.es
- Lyceum Casino of Pontevedra (LC): www.casinopontevedra.com

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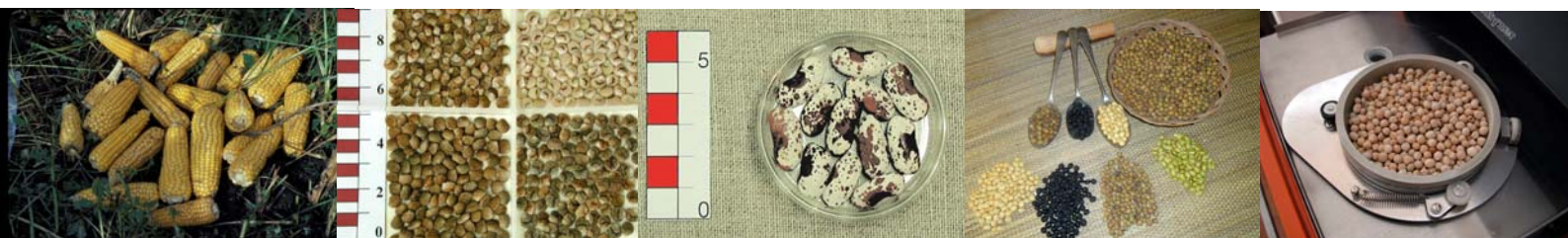
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Capt Juan J. Nogueira. LC. Pontevedra. Spain



WEBSITE: www.symposiumproteincrops.org

TENTATIVE SCHEDULE

Monday, May 4		
17:00 – 19:00	Registration Posters placing	Registration desk Noble Hall sides
Tuesday, May 5		
09:00 – 10:00	Registration Posters placing	Registration desk Noble Hall sides
10:00 – 11:00	Opening	Noble Hall
11:00 – 11:30	Coffee break	Restaurant
11:30 – 13:30	Oral Session 1	Noble Hall
13:30 – 15:30	Lunch	Restaurant
15:30 – 17:30	Oral Session 2	Noble Hall
17:30 – 20:00	Poster Session and Welcome Party	Noble Hall sides and Restaurant
Wednesday, May 6		
09:00 – 11:00	Oral Session 3	Noble Hall
11:00 – 11:45	Poster Session and Coffee break	Noble Hall sides and Restaurant
11:45 – 13:30	Oral Session 4	Noble Hall
13:30 – 15:30	Lunch	Restaurant
15:30 – 17:30	Oral Session 5	Noble Hall
18:00 – 19:30	Social Programme	Pontevedra
20:30 – 23:00	Symposium Dinner	Restaurant
Thursday, May 7		
09:00 – 11:00	Oral Session 6 AEL Meeting (in Spanish)	Noble Hall Meeting Room
11:00 – 11:30	Coffee break	Restaurant
11:30 – 13:00	Oral Session 7 AEL Meeting (in Spanish)	Noble Hall Meeting Room
13:00 – 13:30	Closing	Noble Hall
13:30 – 16:30	Free afternoon	
16:30 – 20:30	Social Programme	Pontevedra surroundings

ORAL COMMUNICATIONS

All the oral communications will take place at the Noble Hall. Each oral communication will be limited to 15 min, including some time for discussions. All the presentations should be in PowerPoint format. The files should be made available to the organizers during the day before or the morning of the scheduled presentation.

POSTERS

All the posters will be exhibited at the Noble Hall sides. The dimensions of the posters cannot exceed 90 cm wide and 120 cm height. The organization will provide sticky tape for fixing the posters on the boards. Each board will display the number of each poster.

PUBLICATION OF SUMMARIES

The Spanish Association for Legumes (AEL) will publish two-page papers of the oral communications and posters as "Actas AEL", nr 6.

RELEVANT DATES

- Preregistration deadline: **01-November, 2014**
- Abstract submission (model will be available on the website) deadline: **31-December, 2014**
- Two-page papers submission (model will be available on the website) deadline: **02-February, 2015**
- Registration deadline: **02-February, 2015**

REGISTRATION

The Pre-Registration Form can be downloaded in Word format from the Symposium website and must be sent by e-mail to: info@symposiumproteincrops.org. The Registration Desk will open Monday-4th (17:00-19:00) and Tuesday-5th (09:00-10:00).

Registration fees:

Fee	Before 02-February, 2015	After 02-February, 2015
General	150 €	200 €
EUCARPIA, DEPO, AEL, CSIC, INIA, SEFIN, USC, SCG, LC members	100 €	150 €
AEL Meeting *	60 €	75 €
Students (accredited)	75 €	100 €
Accompanying persons **	60 €	75 €

The registration fee will cover the following: book of the Symposium, participant materials, coffee (days 5, 6, 7), Welcome Party** (day 5), lunch** (days 5, 6), Symposium Dinner*,** (day 6) and the Social Programme*,** (days 6 and 7) (* participants AEL Meeting; ** accompanying persons).

TRAVEL, ACCOMMODATION AND TOURISM: CSIC TRAVEL AGENCY

El Corte Inglés Travel Agency. Pontevedra office head: Mrs Ana Gutiérrez
Phone: + 34 986 848177 / Fax: +34 986848181 / E-mail: pontevedra@viajesece.es

Detailed information about travel and accommodation will be provided in the Second Announcement.

TENTATIVE SOCIAL PROGRAMME

Wednesday-6. 18:00-19:30

Guided visit to the historic Old Town of Pontevedra

Guided visit to the Pontevedra Museum (www.museo.depo.es)

Thursday-7. 16:30-20:30

Visit to historic gardens in the surroundings of Pontevedra

Visit to a winery and Albariño white wine tasting

VENUE

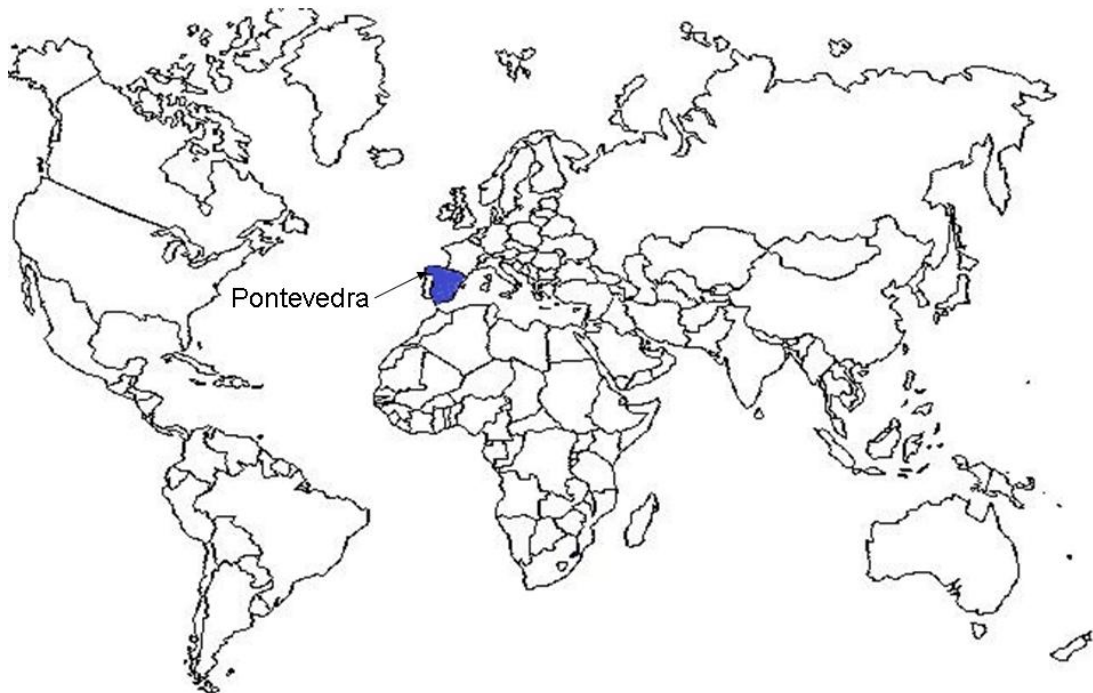
The Symposium will be held at the Lyceum Casino (LC) Main Building (built in 1878), located in the Pontevedra historic Old Town (www.casinopontevedra.com).





Noble Hall at the Lyceum Casino

PONTEVEDRA AND ITS SURROUNDINGS



Pontevedra (Galicia region) is a small city (population: 80000) in the Northwestern Atlantic coast of Spain, in the estuary of the Lérez River ("Ría de Pontevedra"). It is the capital of the Pontevedra Province (population: 1 million) and the landmark of the "Rías Bajas" area, the main tourist area in the North of Spain. The historic Old Town is very well preserved, with ancient and noble mansions, civil and religious buildings and beautiful gardens, being the camellia the main representative ornamental plant of the "Rías Bajas" area. Traditional food is based on a rich variety of fish and shellfish, meat, vegetables and fruits, together with local recipes. The climate is humid temperate: in the last 10 years, average mean temperature in May was 16.5 °C and average rainfall in this month was 104 mm.



In the surroundings of Pontevedra is located the National Park of the Atlantic Islands (www.iatlanticas.es). The shore of the Lérez River estuary is characterized by its small beaches of white sand and clear water very often visited by travellers and tourists in spring and summer.



PERMANENT CONTACT

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