

64th EAAP annual meeting, Nantes, August 26-30, 2013
Education in animal science for the future

Training the future generations of animal breeders: example of EGS-ABG, a European joint PhD program

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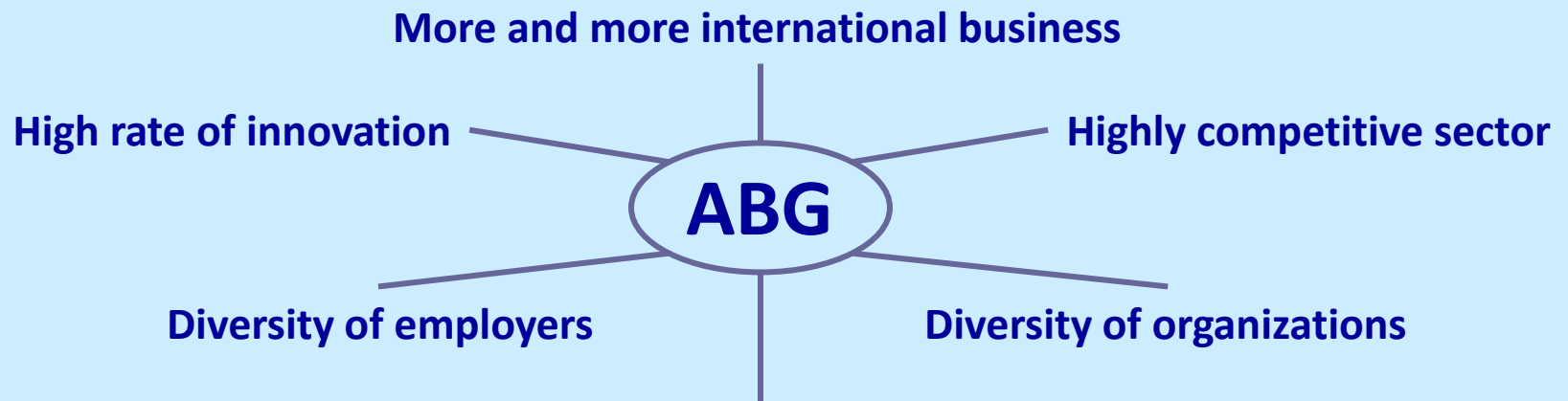
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Aim of the doctoral program

The aim of EGS-ABG is to generate the future key international leaders of the animal breeding and genetics sector, whether for employment in academia or in industry.

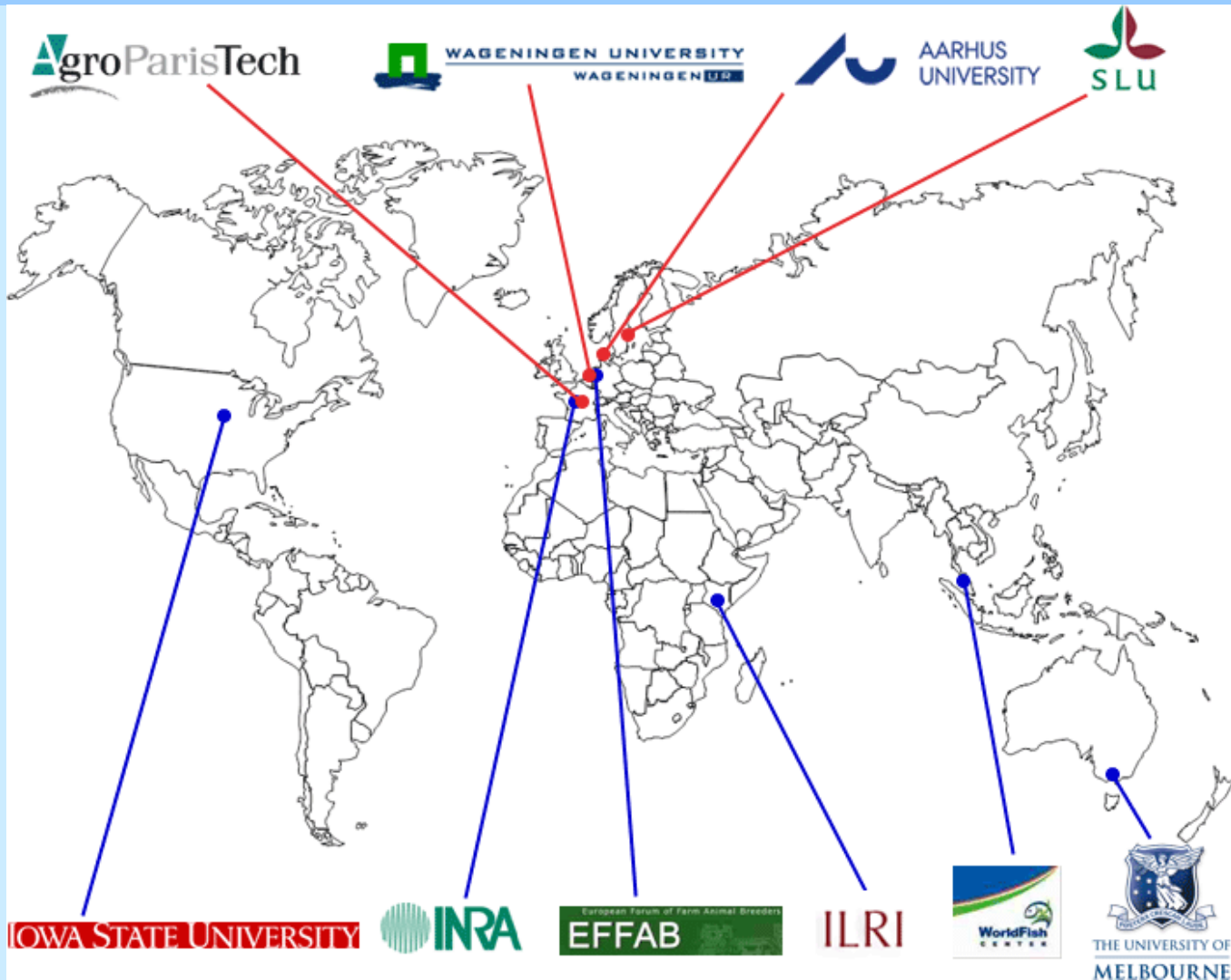


Must contribute to meet the challenges presented by the increasing demand of food while reducing the impacts on environment and biodiversity

Do we really train for the future?

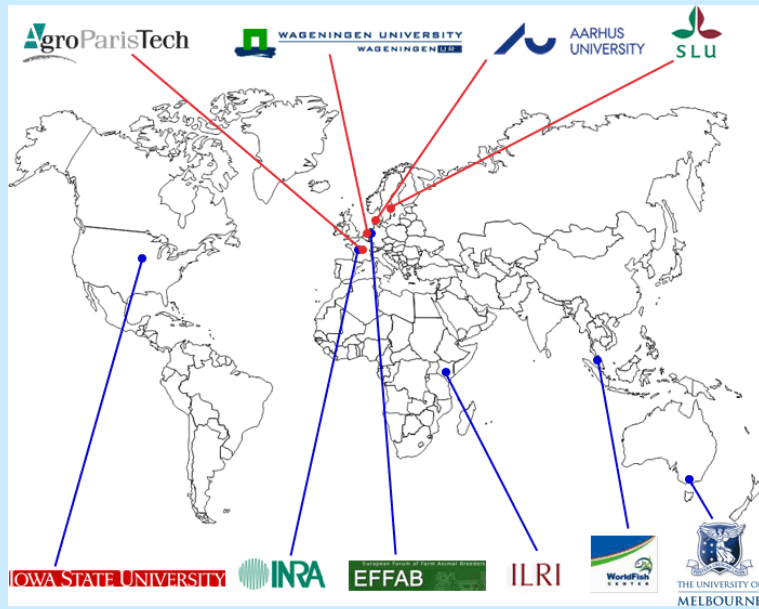
International:

4 Partners & 6 Assoc. Partners + joint supervision + mobility



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4-year PhD program

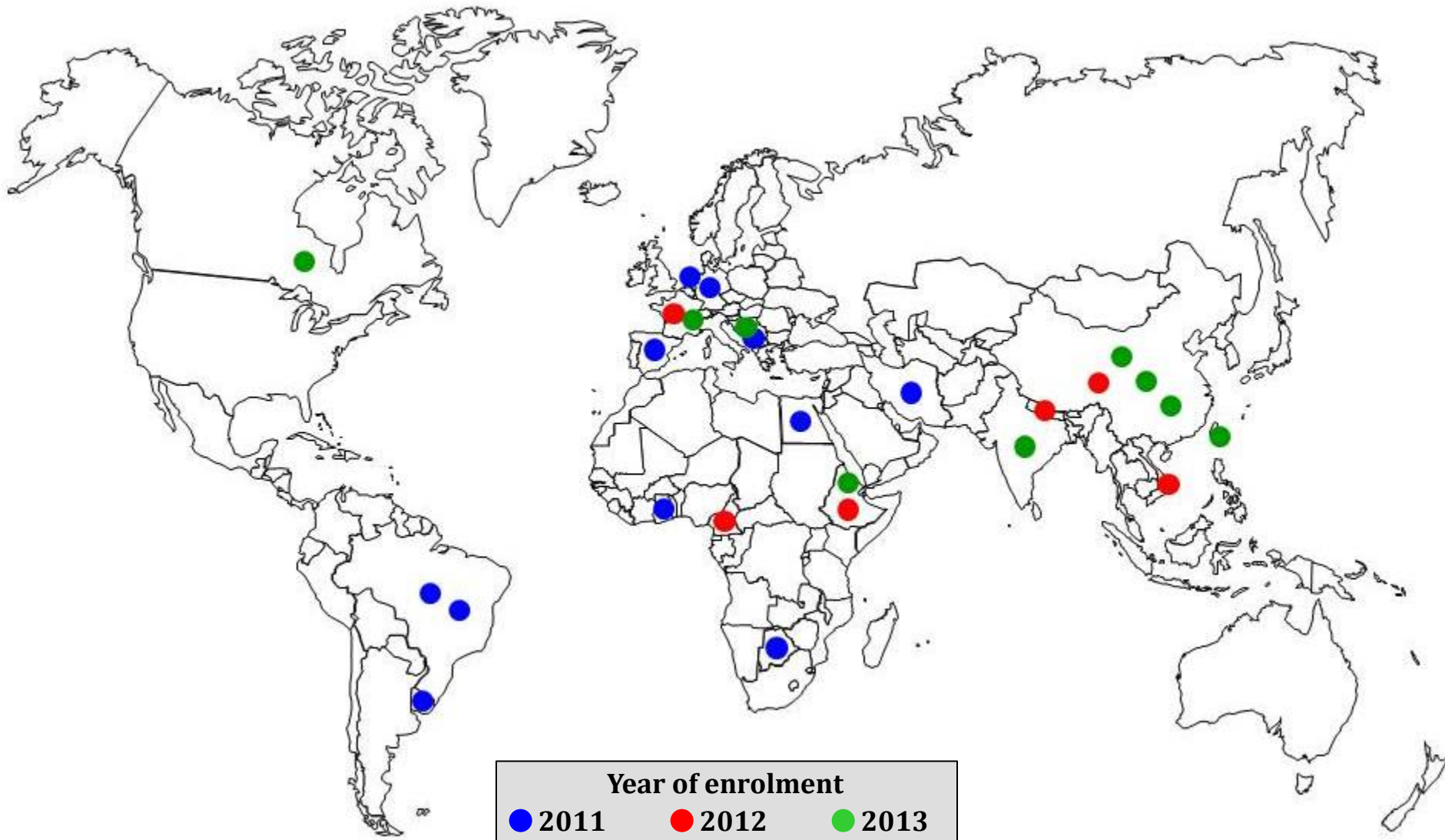
**2 host institutions
(among the 4 Partners)**

**Joint supervision
Compulsory mobility:
2 + 2 yrs or 3 + 1 yrs**

**Possibility of internship
(6 months)
in one Associated Partner**

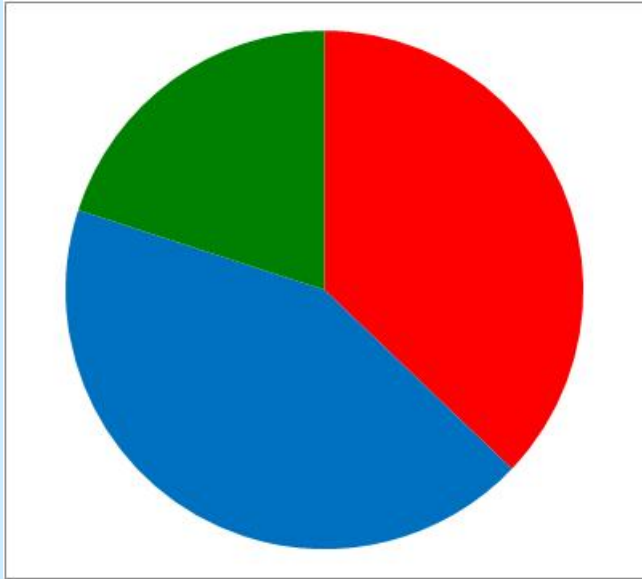
International:

26 candidates, 19 countries + common activities + networking



Innovation:

A majority of topics are in the front of science



Distribution of topics of PhD projects
in 3 categories

$N = 35$

26 projects started, in 2011, 2012 or 2013

9 projects scheduled to start on Sept.2014

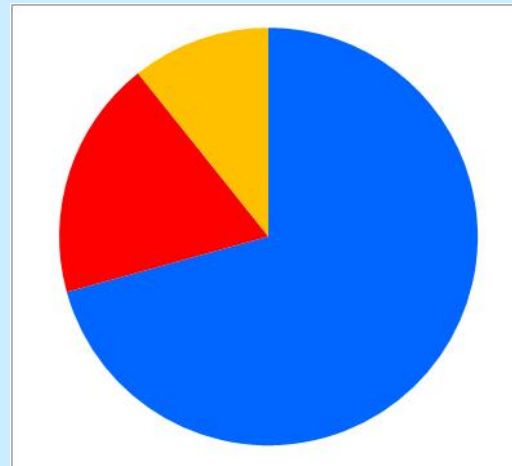
- Methods for using high density genomics data in animal breeding and selection
- Genetic variability of some traits: fertility, robustness, health, feed efficiency, ...
- Population management, biodiversity, life cycle assessment

Links with the ABG industry

EFFAB is an Associated Partner in the Consortium, with one representative in the International advisory board and input in some courses.

A majority of projects are based on data collected on farm or in the stocks of breeding companies

Industry (private or cooperative breeding organizations) is the second funder of the programme (N = 35 PhD projects).



- European Union**
- Industry**
- Academic sector**

Employability of the future doctors

**Enrolment is a highly competitive process:
each year, about 9 fellowships for 100 to 150 applicants.
Stringent criteria for awarding.**

International and multicultural touch of the program.

**Links between science and industry.
Scientific exposure, exchanges with breeders.**

Emphasis put on training:

**30 ECTS must be credited during the program
(about half a year for training).**

Scientific courses + courses in transferable skills.

Research schools 'ABG and the society'.

Individual training and career plan.



What about food security

ILRI
INTERNATIONAL
LIVESTOCK RESEARCH
INSTITUTE

October 27-November 1st, 2013
At the ILRI campus, Addis Ababa (Ethiopia)



EGS-ABG Research School

Animal Breeding and Sustainable Food Security

Jointly organized by ILRI and EGS-ABG

Open to other PhD candidates

Information and registration: <http://www.egsabg.eu/spip.php?article26>



Photos: C.F. Chen (Taipei University); J. Lazard (CIRAD-AquaTrop); J.M. Duplan (formaly INA P-G)



EAAP meeting, Education in animal science for the future, Nantes, August 29, 2013

Conclusion

The EGS-ABG Consortium has the ambition to train the future key international leaders of the animal breeding and genetics sector and we feel we are taking steps that should enable us to achieve this goal



<http://www.egsabg.eu>