



## **International EU GLOBALDIV & ESF GENOMIC-RESOURCES Workshop Lausanne, Switzerland, February 8-9, 2011**

**By  
EPFL, Stephane Joost**

An international workshop Co-organized by the GLOBALDIV project ([www.globaldiv.eu](http://www.globaldiv.eu)) and the ESF GENOMIC-RESOURCES project (<http://www.esf.org/genomic-resources>) will be held in Lausanne, at EPFL premises, Switzerland, on February 8 and 9, 2011.

The theme of the workshop have been **"A global view of livestock biodiversity: experiences and lessons from wildlife biodiversity management"**.

The GLOBALDIV project focuses on the characterization and conservation of livestock genetic diversity, while "Advances in Farm Animal Genomic Resources" (GENOMIC-RESOURCES), contributes to the education of a new generation of scientists in cutting edge approaches to the characterization, evaluation, and management of Farm Animal Genetic Resources.

This 2-days joint workshop was addressed to policy makers, scientists, NGO's and representatives of industry. The first day has been dedicated to the desirable rapprochement between wildlife and livestock conservation scientific communities. In the second day, outcomes and recommendations from the GLOBALDIV action have been presented. Lecture topics spanned from genomics to socio-economic issues in biodiversity conservation.

The final GLOBALDIV workshop which took place on February 8 and 9, 2011, at EPFL in Lausanne, Switzerland, concluded with a session dedicated to the new [GENOMIC-RESOURCES](#) project, a 4 years (2010 – 2014) European Science Foundation ([ESF](#)) Research Networking Programme that may be considered as GLOBALDIV's project follow-up.

Last February in Lausanne, two talks constituted the first GENOMIC-RESOURCES workshop session. One by Stéphane Joost who presented this new ESF action, and one by Dr Panagiotis Deloukas of the Wellcome Trust Sanger Institute (Hinxton, Cambridge - UK) who gave a talk on "Genomic Approaches in Human Genetics" to explain to the participants the current advances in human genomics that should soon become available for application to animal science. Dr Deloukas presented examples of genetic studies of cardiometabolic traits, functional annotation, and gave an overview of next generation sequencing tools and related implications in human genomics.

## ANNEX 1: WORKSHOP PROGRAMME

**Tuesday, February 8, 2011 - Room CO2**

| Time         | Who  | Title  |
|--------------|--|--|
| 7h45         |  | Registration, badges at reception desk   |
| 8h30         | Prof <b>Marc Parlange</b> , Dean of the <a href="#">ENAC</a> faculty                           | Welcome from EPFL and ENAC faculty   |
|              | Prof <b>Paolo Ajmone Marsan</b> , GLOBALDIV Project Coordinator, UCSC                          | Welcome from GLOBALDIV project   |
|              | <b>Chair: Stephane Joost</b>   | <b>Session 1</b>   |
| 8h45         | <b>François Pythoud</b> , Head of International sustainable agriculture Unit, FOAG Switzerland | Conservation of Farm Animal Genetic Resources in Switzerland   |
| 9h05         |  | Questions and discussion   |
| 9h15         | <b>Olivier Diana</b> , DG AGRI RES GEN, European Commission                                    | EU policy context and conservation and use of animal genetic resources                                     |
| 9h35         |  | Questions and discussion   |
| 9h45         | Prof <b>Henner Simianer</b>  | Animal breeding in the genomics era: challenges and opportunities for the maintenance of genetic diversity |
| 10h15        |  | Questions and discussion   |
| <b>10h30</b> | <b>Coffee break</b>  |  |
| 11h00        | Prof <b>Fred Allendorf</b>   | Genetic monitoring, the fish and wildlife point of view  |
| 11h30        |  | Questions and discussion   |
| 11h45        | Dr <b>Irene Hoffmann</b>   | Genetic monitoring, the livestock point of view  |
| 12h15        |  | Questions and discussion   |
| <b>12h30</b> | <b>Lunch (information in the folder)</b>   |  |
|              | <b>Chair: Paul Boettcher</b>   | <b>Session 2</b>   |
| 14h00        | Prof <b>Olivier Hanotte</b>  | Livestock landscape genomics   |
| 14h30        |  | Questions and discussion   |
| 14h45        | Dr <b>Iris Biebach</b>   | Goat-ibex introgression  |
| 15h15        |  | Questions and discussion   |
| 15h30        | Dr <b>Aurélié Bonin</b>  | Measuring and preserving adaptive genetic diversity  |
| 16h00        |  | Questions and discussion   |

|              |   |   |
|--------------|---|---|
| <b>16h1</b>  | <b>Coffee break</b>   |   |
| 16h45        | Prof <b>Mike Bruford</b>  | Lessons from wildlife biodiversity management     |
| 17h15        |   | Questions and discussion                          |
| 17h30        | Dr <b>Pierre Taberlet</b>   | Conservation genetics of cattle, sheep, and goats |
| 18h00        |   | Questions and discussion                          |
| 18h15        | Prof <b>Paolo Ajmone Marsan</b>   | General conclusion                                |
| <b>18h30</b> | <b>End of day 1</b>   |   |
| 19h30        | <b>Dinner at Learning center Restaurant, EPFL (see details in the folder)</b> |   |

### Wednesday, February 9, 2011 - Room CO2

| <b>Time</b>  | <b>Who</b>  | <b>Title</b>  |
|--------------|---|---|
|              | <b>Chair: José Fernando Garcia</b>  | <b>Session 3</b>  |
| 8h30         | Prof <b>Paolo Ajmone Marsan</b> ,<br>GLOBALDIV Project<br>Coordinator, UCSC | Opening, general presentation of the GLOBALDIV project  |
| 9h00         |   | Questions and discussion  |
| 9h15         | Dr <b>Steffen Weigend</b>   | Tools for FAnGR characterization  |
| 9h45         |   | Questions and discussion  |
| 10h00        | Dr <b>Hans Lenstra</b>  | Meta analysis of genetic diversity in sheep with SNPs   |
| 10h30        |   | Questions and discussion  |
| <b>10h45</b> | <b>Coffee break</b>   |   |
| 11h15        | Dr <b>Janlin Han</b>  | Meta analysis of genetic diversity in goats with<br>Microsatellites   |
| 11h45        |   | Questions and discussion  |
| 12h00        | Prof <b>Philippe Baret</b>  | The role of socio-economics in FAnGR management   |
| 12h30        |   | Questions and discussion  |
| <b>12h45</b> | <b>Lunch (information in the folder)</b>                                    |   |
|              | <b>Chair: Milan Zjalic</b>  | <b>Session 4</b>  |
| 14h00        | Dr <b>Paul Boettcher</b>  | Priority setting for conservation of animal genetic resources   |
| 14h30        |   | Questions and discussion  |
| 14h45        | Dr <b>Stéphane Joost</b> & Dr<br><b>Christine Flury</b>                     | GIS data integration and multicriteria analysis for the<br>assessment of breeding activities sustainability |
| 15h15        |   | Questions and discussion  |

|              |                                 |   |
|--------------|---------------------------------|---|
| 15h30        | Prof <b>Paolo Ajmone Marsan</b> | Setting the agenda for future research activities in FAnGR  |
| 16h00        |                                 | Questions and discussion  |
| <b>16h15</b> | <b>Coffee break</b>             |   |
| 16h45        | Dr <b>Stéphane Joost</b>        | <a href="#">GENOMIC-RESOURCES</a> : an ESF Research Networking Programme as a GLOBALDIV's follow-up |
| 17h00        | Dr <b>Panagiotis Deloukas</b>   | Genomic approaches in human genetics  |
| 17h30        |                                 | Questions and discussion  |
| 18h00        | Prof <b>Paolo Ajmone Marsan</b> | General discussion and conclusion   |
| <b>18h30</b> | <b>End of the workshop</b>      |   |

## List of participants

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