

Title: AGA Livestock Distribution Database

Contact: Robinson, T.P. (AGAL)

Email: tim.robinson@fao.org

Internet: <http://www.fao.org/ag/againfo/resources/en/glipha/default.html>

Description: *Background:* Access to the best available estimates of the global distribution of livestock species is central to many activities within FAO, and especially to AGA, who should be able to provide this information in a standardized format to other FAO Divisions and to external institutions.

Since 1996 AGA has commissioned numerous consultancies and analyses in livestock and agro-ecological distribution mapping. Various products have been generated from these databases, for example they form the base of FAO's AGA Livestock Atlas Series and are being incorporated into global poverty and vulnerability maps by SDRN's GIS unit.

However, there are some considerable gaps in these datasets, some are quite dated and, more importantly, they are not fully standardised since the methods by which they were produced have been evolving over the years.

Objective: The objective of AGAs Livestock Distribution Database is to provide researchers, analysts and policy makers with up-to-date and standardised information on the global distribution of livestock. This will involve firstly standardising and filling gaps in the existing 5 minute (8 km) global distributions and secondly establishing a system for higher resolution (30 second/1 km) livestock distribution mapping. These activities are supported by AGA core funds, and by the PPLPF and LEAD projects. Important collaborators include ILRI and the University of Oxford.

Collation of data is ongoing and data layers will eventually be disseminated via AGA's GLiPHA interface.

Beneficiaries: The direct beneficiaries will range from policy analysts including research institutions to decision makers and program managers in national and international agencies.

Outputs:

- Inventory of the available livestock data, country by country
- A methodology in place at FAO headquarters for maintenance of livestock data, at 30 second resolution
- Global distributions (at 5 minutes and 30 seconds) of 'unsuitability' for agriculture and livestock.
- Reported distributions of total agriculture and major livestock species (bovines, sheep, goats, pigs and chickens) corrected for various levels of 'unsuitability', mapped to 5 minute and 30 second resolution grids.
- Global 'predicted' distributions (at 5 minute/8 km resolution) of agriculture, LGP and major livestock species (corrected for various levels of unsuitability).
- Global distributions (at 5 minute/8 km resolution) of a range of selected environmental predictor variables.