INTECRAL project is a jointly developed scientific cooperation supported by the German Federal Ministry of Education and Research (BMBF) and the State Secretariat of Agriculture and Livestock Project Rio Rural (SEAPEC-PRR). It aims to improve the competitiveness of the rural economic sector in due consideration of a sustainable watershed management, including environmental risk mitigation and protection of natural resources.
The assessment was carried out between the 14th of March and the 12th of May of 2014, under the framework of the INTECRAL Project activity: “Extension tools development towards a sustainable livestock production in silvopastoral systems”. It began with a kick off meeting and ended with a workshop with the farmers of the research area.

**Involved institutions**

ITT / CUAS, Rio Rural / SEAPEC, PESAGRO, EMATER Italva.

**Collaborators**

Alejandra Pedraza, Berenice Quintana, Juan Carlos Torrico and Sabine Schlüter (ITT); Laura Yañez (USLP); Marcos Andre Jogaib, Jarbas Saraiba, Nelson Teixeira and Helga Hissa (PRR); Luiz Antonio Antunes de Oliveira (PESAGRO); Carlos Marconi de Souza Resende, Paulo Saraiva Neto, Felipe de Andrade Silveira, Wagner Nunez do Nascimento and Edson Guimarães da Rocha (EMATER Italva).

**Research area**

The research took place in 5 micro-basins of the Italva municipality as showing in Figure 1.

**Relevant activities**

The main activities developed correspond to a Participatory training program on silvopastoral systems (two workshops and a field trip) with small-scale dairy farmers of Italva Rio de Janeiro, the assessment of the potentiality of silvopastoral systems establishment based on socio-economic and biophysical characteristics, the characterization of the dairy production systems and a first approach for an economical analysis.

**Relevant results**

The main results of this assessment can be summarized as:

⇒ Completed participatory training with satisfactory results on the acquired information about silvopastoral systems (change of perceptions, new concepts acquired).

⇒ On-site arboreal component evaluation

⇒ Promising multipurpose native species list for the research area.

⇒ Preliminary economic analysis of the actual systems showing that there is an urgent need for sustainable and profitable technologies promotion in the area, including silvopastoral systems.

⇒ Master Thesis of Alejandra Pedraza (Link: [http://intecral-project.web.fh-koeln.de/results-data](http://intecral-project.web.fh-koeln.de/results-data))

**Next steps**

The next steps for the period 2014—2015 correspond to:

⇒ List of criteria to implement and assess 2 pilot units in Italva.

⇒ Technical communicate with the obtained results.

⇒ Use of the collected information for the BIOSS tool.

⇒ Implementation of 2 units of participatory research in silvopastoral systems by PESAGRO and PRR.

**Acknowledgement**

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First Workshop with small scale dairy producers from Italva (10.04.14)

Field Visit to a SPS in the municipality of Itaperuna (16.05.14)

On-farm semi-structured interview – Property of Josué Gómez Moreira (15.04.14)

On-farm semi-structured interview – Property of Deildo de Campos Lima (15.04.14)

On-farm semi-structured interview – Property of Ezio García da Silva (11.04.14)

On-farm semi-structured interviews – Property of Jose Correa Filho (14.04.14)

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