

Calar Alto Legacy Integral Field Area (CALIFA) Survey: Publication Policy

28 May 2010

This document outlines the publication policy for the CALIFA Survey. Its main purpose is to ensure fairness and to avoid (and resolve) conflicts regarding publications of the results obtained from CALIFA data. The policy has been approved by the CALIFA Board. The Board is also responsible for implementing the policy and, as a last instance, to resolve possible conflicts. The guidelines specified in this document apply to the members of the CALIFA Collaboration as defined in the CALIFA Collaboration Policy document.

Publications arising from the CALIFA Survey can be sorted into three categories:

- (1) *Technical papers*, focussing on survey design, data acquisition and data processing;
- (2) *Core Science papers*, presenting results in science areas that were listed as science drivers in the final version of the CALIFA Proposal ('Red Book') and making use of a significant fraction of the CALIFA sample and data;
- (3) *Additional science papers* on topics not featured as science drivers in the Red Book.

Papers involving follow-up observations of CALIFA targets do not fall under this policy.

Technical Papers: These are publications that all subsequent papers falling under the CALIFA publication policy are requested to cite. A list of technical papers with lead and coauthors will be maintained by the Principal Investigator and approved by the Board. Authorship on Technical Papers should be limited to major contributors to the preparation, execution, or data processing of the CALIFA Survey.

Core Science Papers: All data produced in the CALIFA Survey are accessible to everybody inside the CALIFA Collaboration, and there are no restrictions of the *analysis* of CALIFA data with respect to scientific topics. In order to maintain information flow within the collaboration, members are requested to announce their intention to work on certain topics to the rest of the collaboration by making a corresponding entry in the CALIFA Wiki pages. Such an announcement is noncommittal and does not preclude other members from working on related topics. Some restrictions apply, however, to provide protection to PhD students (as detailed below). Whenever a paper on a core science topic lead by a member of the CALIFA Collaboration is ready for submission, the lead author will circulate a draft of the paper to the entire collaboration for a two-week (minimum) review period. At the same time, the paper draft is placed on the CALIFA Wiki pages to enable easy access. Members can send comments and, if they believe appropriate, request coauthorship to the lead author during this time period. If at the end of the review period no objections have been raised, the paper can be submitted. Conflicts (e.g., authorship rights, suitability of the paper for submission) that cannot be resolved internally among the participants will be referred to the Board.

Special rules for PhD thesis projects: A specific project (not an entire science topic) can be reserved for a PhD student under the following conditions: (i) The student is named. (ii) The responsible supervisor has to be a CALIFA Collaboration member as defined above. (iii) The proposed project is circulated to the collaboration, including an abstract sketching the science approach, basic methodology, and envisaged outcome. (iv) The collaboration members have at least three weeks to raise objections to the request. Possible objections could be that the project may be too broadly defined and needs focussing, or that it directly competes with the work performed by other members. Issues of internal competition, if arising, should be solved as much as possible in a collaborative spirit. (v) If conflicts cannot be resolved between the collaboration members, the CALIFA Board has the authority to decide about the level and limits of protection. (vi) Protection to a PhD thesis project can be maintained for up to a maximum of two years, subject to annual review by the Board.

Additional Science Papers: All CALIFA Collaboration members are free to publishing papers on topics outside of the original core science. The above rules of paper reviewing and inviting coauthorship within the CALIFA Collaboration do not apply. As an act of respect, however, it is requested that the main contributors to the execution of the CALIFA Survey are still honoured in this way. Papers presenting new or improved methods of analysing IFU data that were developed in the course of the CALIFA Survey, but that use only small subsets of the CALIFA data as example or test material, also fall in this category.

Acknowledgements: Apart from citing the appropriate technical papers, all publications based at least partly on CALIFA data have to include the following acknowledgements:

1. the official CAHA acknowledgement,
<http://www.caha.es/publications-based-on-observations-at-calar-alto.html>;
2. an acknowledgement to the CALIFA project itself:
This paper is (partially) based on data obtained by the CALIFA Survey, funded by the Spanish Ministry of Science under grant ICTS-2009-10 [[and add-ons]], and the Centro Astronómico Hispano-Alemán.

General rules for authorship: All CALIFA Collaboration members are requested to follow the general rules of Good Scientific Practice. A useful reference is the publication guidelines document of the American Institute of Physics (available under <http://www.aip.org/pubservs/ethics.html#authorship>) which we adopt here. In particular, authorship on a CALIFA paper (scientific or technical) requires that the author has (i) read the paper and agrees with the results, and (ii) made a significant contribution to the concept, design, execution, or interpretation of the underlying research endeavour.