

Title **PLATO Mission Consortium
Publication Policy**

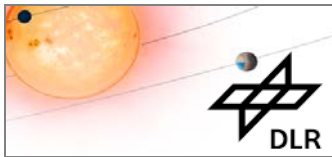
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a – Table of Content

1. Introduction..... 3

1.1. Purpose 3

1.2. Scope 3

1.3. Abbreviations..... 3

1.4. Applicable Documents..... 3

1.5. Reference Documents..... 3

2. General PMC Organisation Fehler! Textmarke nicht definiert.

2.1. PMC Organisation Fehler! Textmarke nicht definiert.

2.2. PMC Roles and Responsibilities Fehler! Textmarke nicht definiert.

2.2.1 The PLATO Mission Consortium Lead
Fehler! Textmarke nicht definiert.

2.2.2 The PLATO Mission Consortium Board
Fehler! Textmarke nicht definiert.

2.2.3 The PLATO Consortium Science Team
Fehler! Textmarke nicht definiert.

2.3. Membership of the PLATO Mission Consortium Fehler! Textmarke nicht definiert.

3. PMC Publication Policy Fehler! Textmarke nicht definiert.

3.1. General Philosophy Fehler! Textmarke nicht definiert.

3.2. Type 1 PLATO Publications 4

3.3. Type 2 PLATO Publications 5

3.4. Public Data and Guest Observer Data 6

4. Data from Ground-based support observations Fehler! Textmarke nicht definiert.

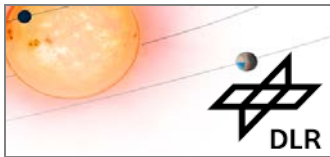
5. The PLATO Endorsement Board 6

b – List of Figure

Figure 1: General Structure of the PLATO Mission Consortium (PMC). Fehler! Textmarke nicht definiert.

c – Document History

Issue	Rev.	Date	Change Description
0	0	20.08.2015	Initial draft
0	0	07.09.2015	draft 2
0	0	19.10.2017	Updated draft
0	0	11.12.2018	Update
1	0	10.02.2019	Issue 1.0



1. Introduction

1.1. Purpose

This document describes the publication policy of PLATO Mission Consortium.

1.2. Scope

This document details the publication policy of the PMC based on the PLATO Science Management Plan (SMP) [AD 01].

1.3. Abbreviations

CoRoT	COncvection, ROtation and planetary Transits
GO	Guest Observer
GOP	Ground-based Observation Programme
HZ	Habitable Zone
PCST	PLATO Consortium Science Team
PDC	PLATO Data Center
PDCM	PLATO Data Center Manager
PI	Principle Investigator
PIC	PLATO Input Catalogue
PIPM	PLATO Instrument Payload Manager
PLATO	PLAnetary Transits and Oscillations of Stars
PMC	PLATO Mission Consortium
PCL	PMC Lead (PI)
PP	PLATO Payload
PSWT	PLATO Science Working Team (ESA)
PSM	PLATO Science Management
PSMC	PLATO Science Management Coordinator
SMP	Science Management Plan
SOC	Science Operation Centre
TTV	Transit Timing Variation

1.4. Applicable Documents

[AD 01] ESA/SPC(2017) 33; 31.10.2017; ESA PLATO Science Management Plan

1.5. Reference Documents

[RD01] PLATO-DLR-MAN-PLN-0002; PLATO Mission Consortium Management Plan

2. SMP Publication policy

The PMC Publication Policy is in line with the PLATO publication policy described in the PLATO Science Management Plan (SMP) [AD 01]. For reference, the PLATO SMP publication policy is repeated here:

SMP publication policy:

The following publication policy does not apply to GO data and works based on public PLATO data, but authors should acknowledge the PMC, ESA and other relevant organisations (e.g., ESO) in the acknowledgement manuscript section.

For publications dedicated to planetary system detection and characterisation of the prime sample and generated by the PMC and/or the GOP Team, including the final L1, L2, L3 and Lg data products, the following publication rules apply:

1. The PLATO SWT must approve the authorship of the papers.
2. The PLATO SWT must approve the paper before final submission.
3. ESA, PMC, GOP Team and projects from other relevant organisations (e.g., ESO) relevant for PLATO will be acknowledged in the Acknowledgement section according to standard formats.

The details and application of the publication policy for all PLATO science will be reviewed and monitored by ESA.

3. PMC Publication Policy

The PMC Publication Policy further details this SMP policy to account for a fair share of interests of people contributing to the PLATO Mission Consortium (PMC). Where applicable the PMC board proposes authorships to the SWT for approval.

We define two types of publications. The publication policy for Type 1 publications aims to limit the authorship on 'technical' aspects of the PLATO mission development to the people directly involved. Work which should acknowledge the PMC at large is covered by Type 2 publications.

3.1. Type 1 PLATO Publications (“Engineering”-type publications)

Type 1 publications include descriptions of the PMC payload hardware or software, data treatments, methods, analysis tools, etc. These publications are based on work done on a particular aspect of the PMC mission development by a well-defined group of authors.

Type 1 publications include, for example:

- Papers describing a certain technical aspect of the mission, a special data reduction method or analysis tool, performance of individual aspects. Here some examples as guidance for which publications fall into Type 1 category (a non-exhaustive list):
 - the TOU design, or descriptions of other elements of the payload (but not the mission design at large),
 - descriptions of the PDC, the PLATO Input Catalogue, target field selection, etc.
 - a new transit detection algorithm for PLATO
 - a new light curve filtering method
 - prediction of the accuracy of TTVs with PLATO

- follow-up analysis of PLATO results after initial publication by the PLATO Team, e.g. further analysis of planets via follow-up methods, detailed modelling, further analysis of stellar data ...
- ...

The following publication rules apply for Type 1 publications:

1. Authorship includes all people directly involved in the work presented. It is up to the author team to select the first author and the co-authors.
2. The lead author informs the PLATO Endorsement Board before submission.
3. The PMC is acknowledged in the Acknowledgement Section.

Rule 1 ensures that all people working on the presented results (including students, postdocs, etc.) are part of the author list. The PMC plans to monitor such publications from PMC members via the Endorsement Board, who will also solve cases of conflicts.

3.2. Type 2 PLATO Publications (PMC results)

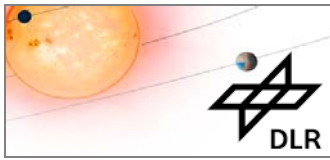
Type 2 publications cover results that should acknowledge the work of the PMC at large. These cover in general the publications by the PMC and/or GOP Team of L0 - L3 data products and overall payload/performance descriptions.

Type 2 publications apply to non-public PLATO data and include, for example (a non-exhaustive list):

- Papers initially publishing L0-L3 data, e.g.:
 - reduced light curves
 - planet candidate lists
 - confirmed planets and planetary systems with their parameters
 - catalogues of confirmed planets
 - terrestrial planets around solar-like star in HZ (Earth-Sun analogues)
- catalogues of stellar parameters (including age)
- overall PLATO mission descriptions and its performance
- publications describing data releases
- ...

The following publication rules apply for Type 2 publications:

1. The lead author will be nominated by the PMC Consortium Board together with, where applicable, the ESA SWT based on inputs from PMC.
 - a. The lead authorship should be reserved for people with major contributions to this publication.
 - b. The lead author guarantees fast submission.
 - c. Authorship includes all people directly involved in the work presented.
 - d. A fair share between involved scientists and participating member states, according to their PMC contributions, is anticipated.
2. Author lists include the core PLATO involved scientists (the PLATO Consortium Science Team and the “builders”) and possible additional authors if special rules for included propriety ground-based follow-up data apply.
3. The lead author informs the PLATO Endorsement Board at least two weeks before submission.



4. The PLATO Board together with the PLATO SWT (where applicable) approve the final submission, based on the assessment by the Endorsement Board.

Note: To acknowledge also the investment of individual engineers (who are not members of the PMC Science Team) over the long building phase of the mission, a list of “builders” is added to the author list. These “builders” are nominated by the Board members, again in proportion to investments, and will be around 1-2 people per country involved in the payload and data pipeline. “Builders” can also include ESA-Team members.

3.3. Public Data and Guest Observer Data

We ask authors of publications based on PLATO public data to acknowledge the work of the PMC by adding the following into their Acknowledgement Section:

“The authors gratefully acknowledge the European Space Agency and the PLATO Mission Consortium, whose outstanding efforts have made these results possible.”

Guest Observers follow rules set by ESA (see Science Management Plan (SMP) [AD 01]). However, they are encouraged to acknowledge the PMC work as for users of public data.

4. The PLATO Endorsement Board

To monitor and coordinate PLATO publications falling under the policy described here, a PLATO Endorsement Board is formed. The Endorsement Board ensures that the PLATO publication policy is applied consistently, and works to solve possible conflicts. The goal is to give a fair recognition to all people involved.

Three members of the PLATO Endorsement Board are foreseen. They are nominated by the PLATO Consortium Board. The Endorsement Board is composed of a Consortium Board member, a Payload representative and a PMC member of the SWT. The membership will be revised every 2-3 years to balance the work load.

The review process of the Endorsement Board shall not delay a timely submission of a manuscript. We therefore foresee a period of 1-week during which comments must be made to the authors.

The Endorsement Board informs the PLATO Consortium Board and (where applicable) the SWT about the planned PLATO publications and asks for their final approval.

A-1 Lists of “builders”, PMC Members, and PCST Members

The lists of builders, PMC Members, and PCST Members are maintained by the PMC Office and will be displayed at the PLATO PMC web site.