



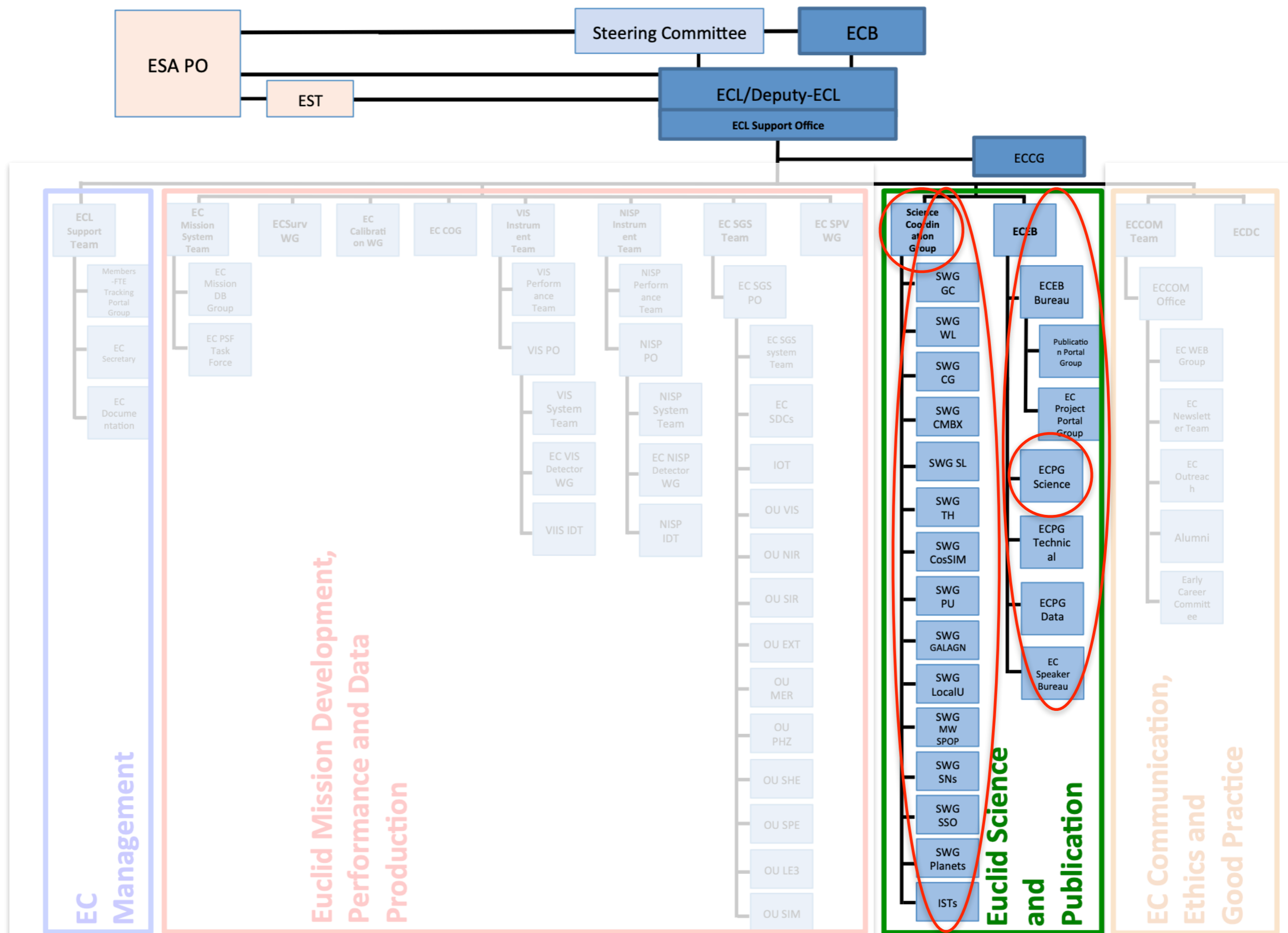
Euclid Consortium: overview of Key Project definition and science coordination activities

Gigi Guzzo

16th November 2020




EC structure



Science flow: from projects to publications

PDD

	Project Definition Document	Ref.: Issue: Date: 07/05/20 Page: 1/21
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Title :	Euclid Consortium Standard and Key Project Definition Document		
Date:	07/05/20	Issue:	Version 1.1
Reference:			
Custodian:	Luigi Guzzo, Hendrik Hoekstra, Thomas Kitching, William Percival		

<u>Authors :</u>	<u>Date :</u>	<u>Signature :</u>
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Yannick Mellier Peter Schneider The ECPG members are listed in the appendices outlining the key projects		
<u>Approved by :</u>		
ECB		
<u>Authorised by :</u>		
Yannick Mellier		

PPD

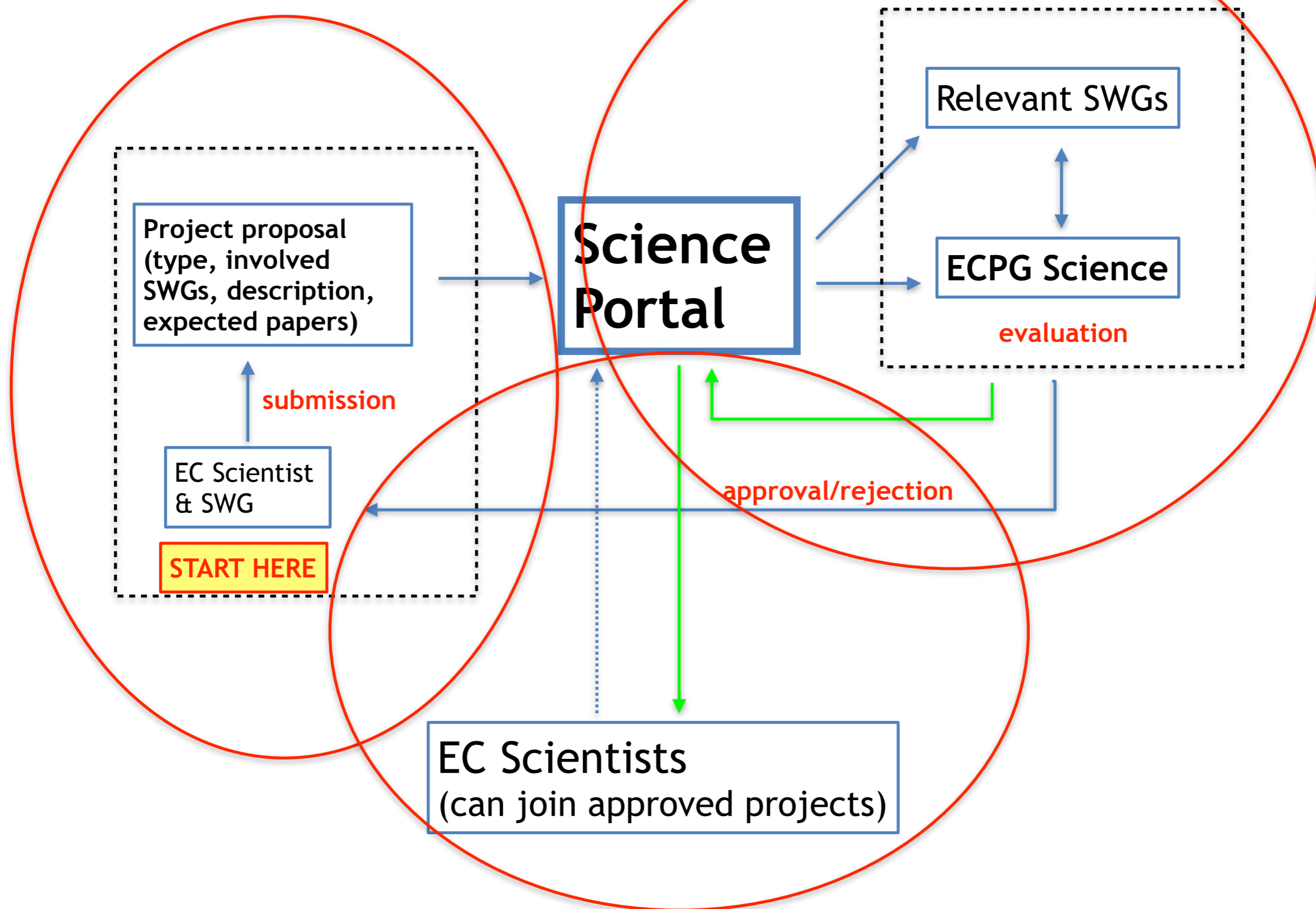


Euclid Consortium Publication Policy

Authors: Yannick Mellier Peter Schneider	Date:	Signature:
Contributors Jarle Brinchmann Luigi Guzzo Henk Hoekstra Tom Kitching Will Percival Patrick Simon	Date:	Signature:
Approved: Ralf Bender Raymond Carlberg (v. 2.00 and above) Francisco Castander Andrea Cimatti Mark Cropper Sven Derijcke (v. 2.00 and above) Antonio Da Silva Hannu Kurki-Suonio Olivier Le Fèvre Per Lilje Yannick Mellier Georges Meylan Bob Nichol Kristian Pedersen Lucia Popa Rafael Rebolo Lopez Jason Rhodes Hans-Walter Rix Huub Rottgering Roberto Scaramella Romain Teyssier (v. 1.07 and above) Werner Zeilinger	Date:	Signature:
Authorised: Yannick Mellier	Date: February 14, 2018	Signature:

The presented document is Proprietary information of the Euclid Consortium.

Science Project Flow



Project submission process

(excerpt from Project Definition Document – PDD)

In general, any project will follow a series of steps:

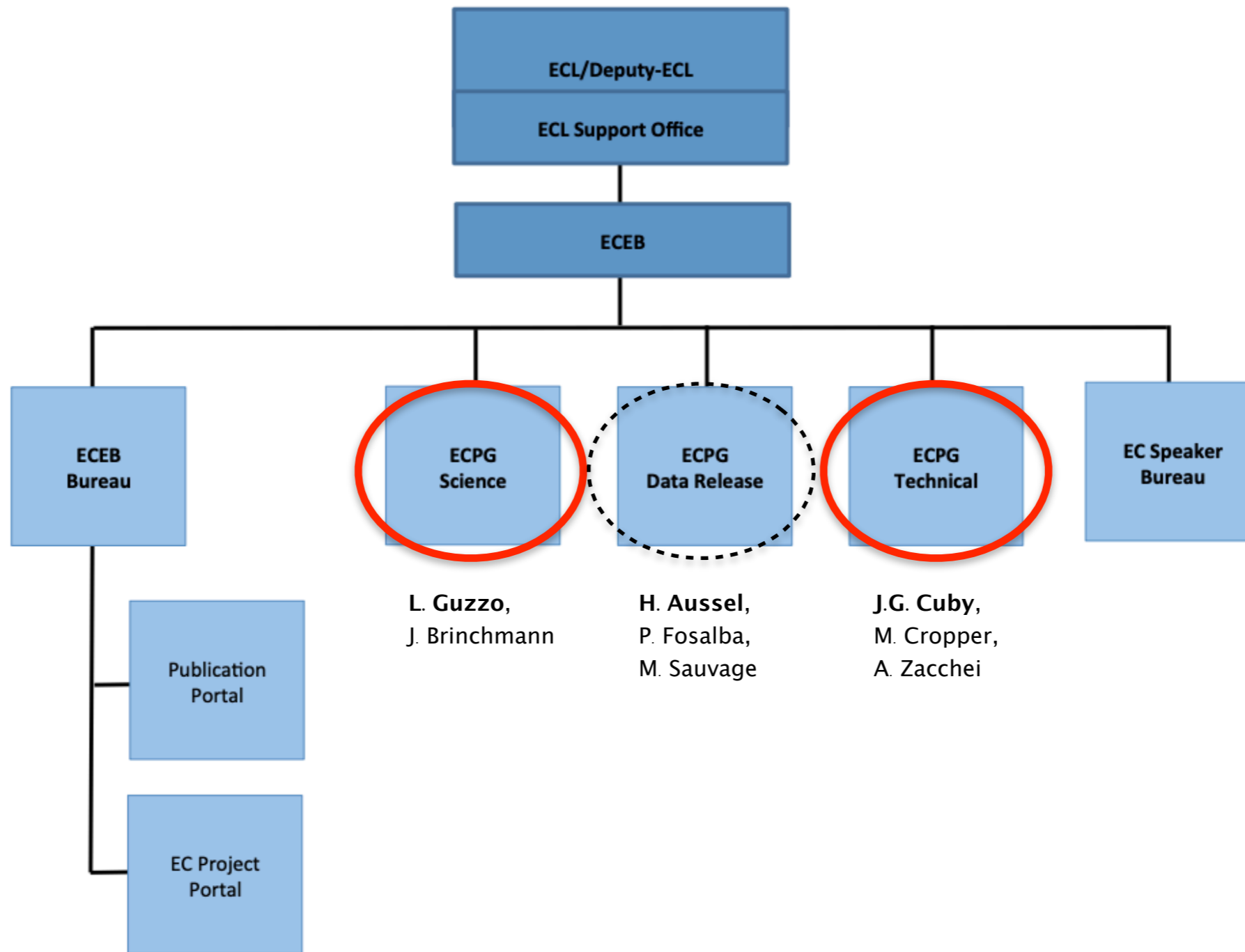
1. **Pre-Submission Stage**: Proposers should ideally discuss with relevant groups (e.g. SWG, OU, etc.) well in advance of a formal proposal.
2. **Submission Stage**: to the Portal...
3. **Assessment Stage**: ECPG / relevant SWG feedback...
4. **Implementation Stage**: once approved, project becomes active...
5. **Publication Stage**: ECEB...
6. **Conclusion Stage**: project is terminated.

—> **BEFORE EACH PROJECT MILESTONE (e.g. Launch, DR1, DR2, etc.):**

1. **SWGs and EC units define list of Key Projects, which:**
 - is collected and homogenised by the corresponding ECPG
 - is endorsed by the ECEB Bureau, and approved by the ECB
2. **This defines the boundaries for Standard Projects, which can then be proposed**

EC Publication Groups and Editorial Board

(Publication Policy Document)



- **L. Guzzo (Chair)** EC Science Coordinator
- **J. Brinchmann (Co-Chair)** EC Science Coordinator
- H. Aussel EC SGS Scientist
- R. Azzollini VIS Instrument Scientist
- C. Conselice EC Science Coordinator
- A. Ealet NISP-S Instrument Scientist
- H. Hoekstra EC Science Coordinator
- K. Jahnke NISP-P Instrument Scientist
- T. Kitching EC Science Coordinator
- K. Markovic Member at large
- W. Percival EC Science Coordinator
- M. Sauvage Member at large (former EC SGS Sc.)
- R. Scaramella EC Survey Scientist
- E. Sellentin Member at large
- J. Weller (M. Kunz since Sep 2020) EC Science Coordinator

- Sep 2019 –April 2020: first KP lists submitted by SWGs / OUs; review by ECPG sub-panels; several iterations to improve presentations, eliminate overlaps and smooth conflicts
- April 2020: revised lists consolidated, homogenised in style and merged into **Pre-Launch Science Key Project Document**
- June 2020: endorsed by ECEB Chair, a few details still pending
- 24th October 2020: submitted to EC Board (ECB)

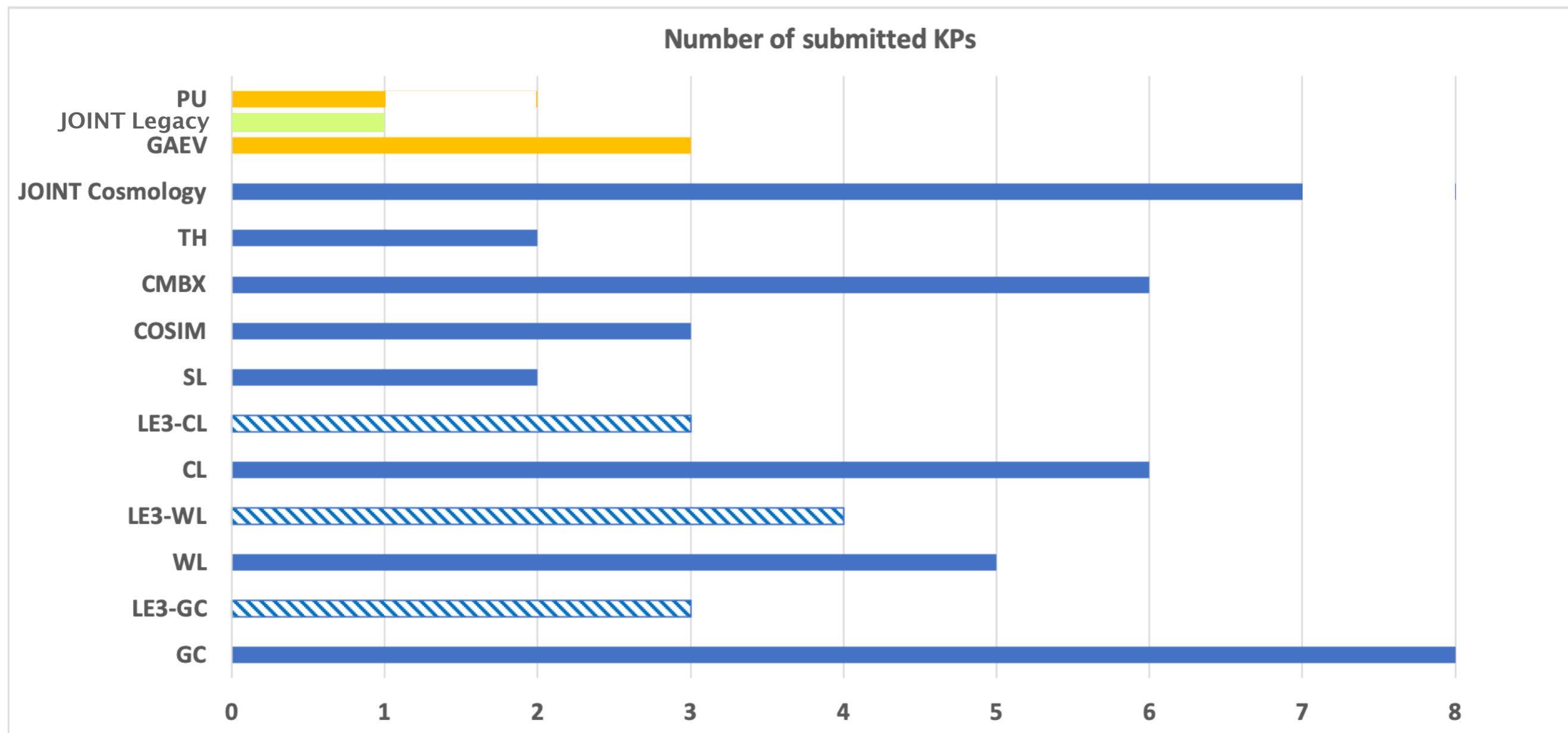
Pre-Launch Science Key Project Document

	Pre-Launch Science Key Project Document	Ref.: EUCL-UMI-PUB-8-001 Issue: 1.6 Date: 24/10/20 Page: 1/65
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Title:	Euclid Consortium pre-launch science Key Project document		
Date:	24/10/20	Issue:	1.6
Reference:	EUCL-UMI-PUB-8-001		
Custodian:	Luigi Guzzo		

Prepared by:		Date :	Signature :
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Contributors:			
Science Working Groups OU-LE3 SPV Group ECEB Bureau (Conveners listed in Appendix B)			
Endorsed by:			
Peter Schneider	ECEB Chair		
Authorised by:			
Yannick Mellier	ECL		

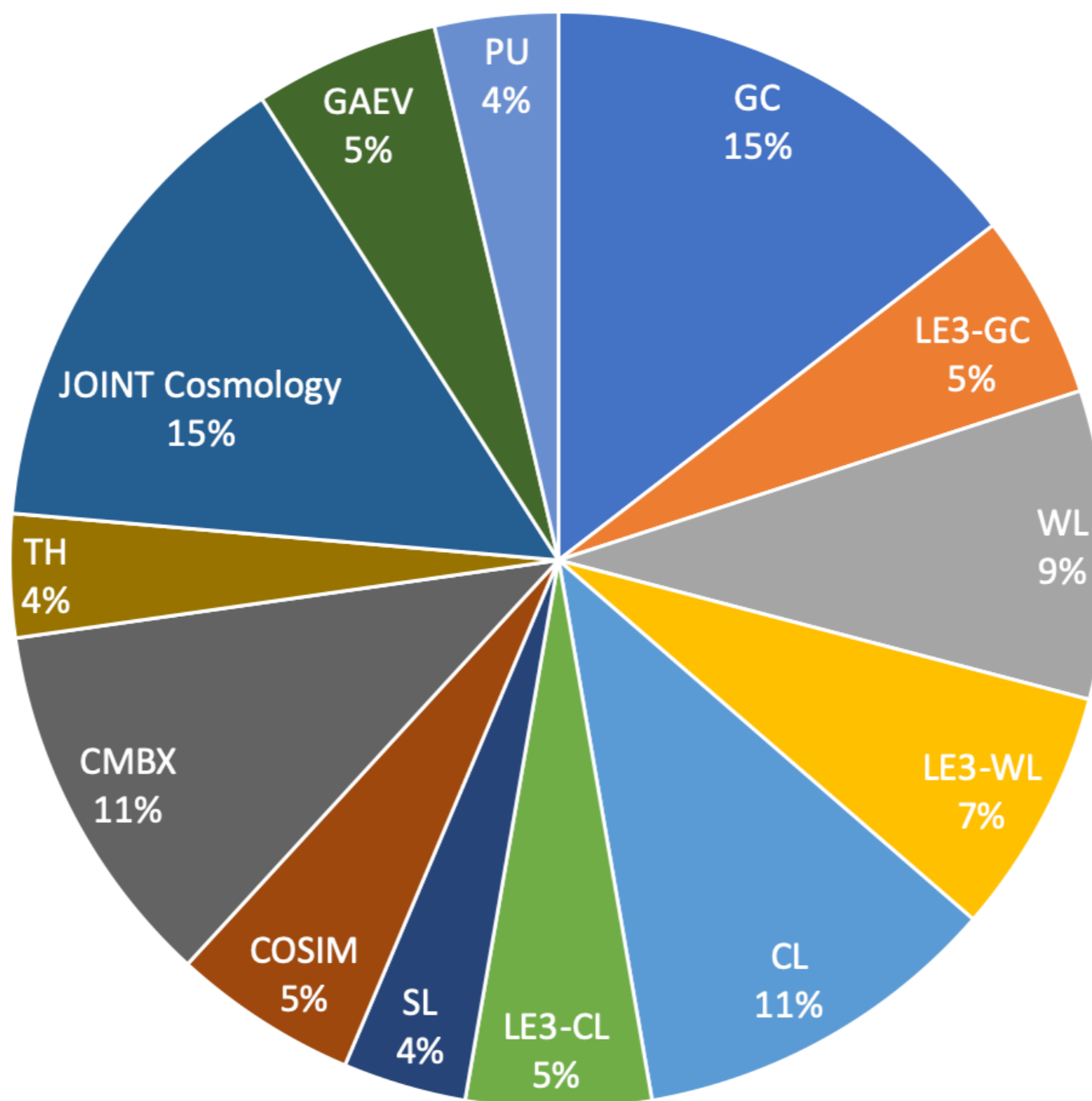
Pre-launch: (consolidated) # of Key Projects proposed to ECPG-S



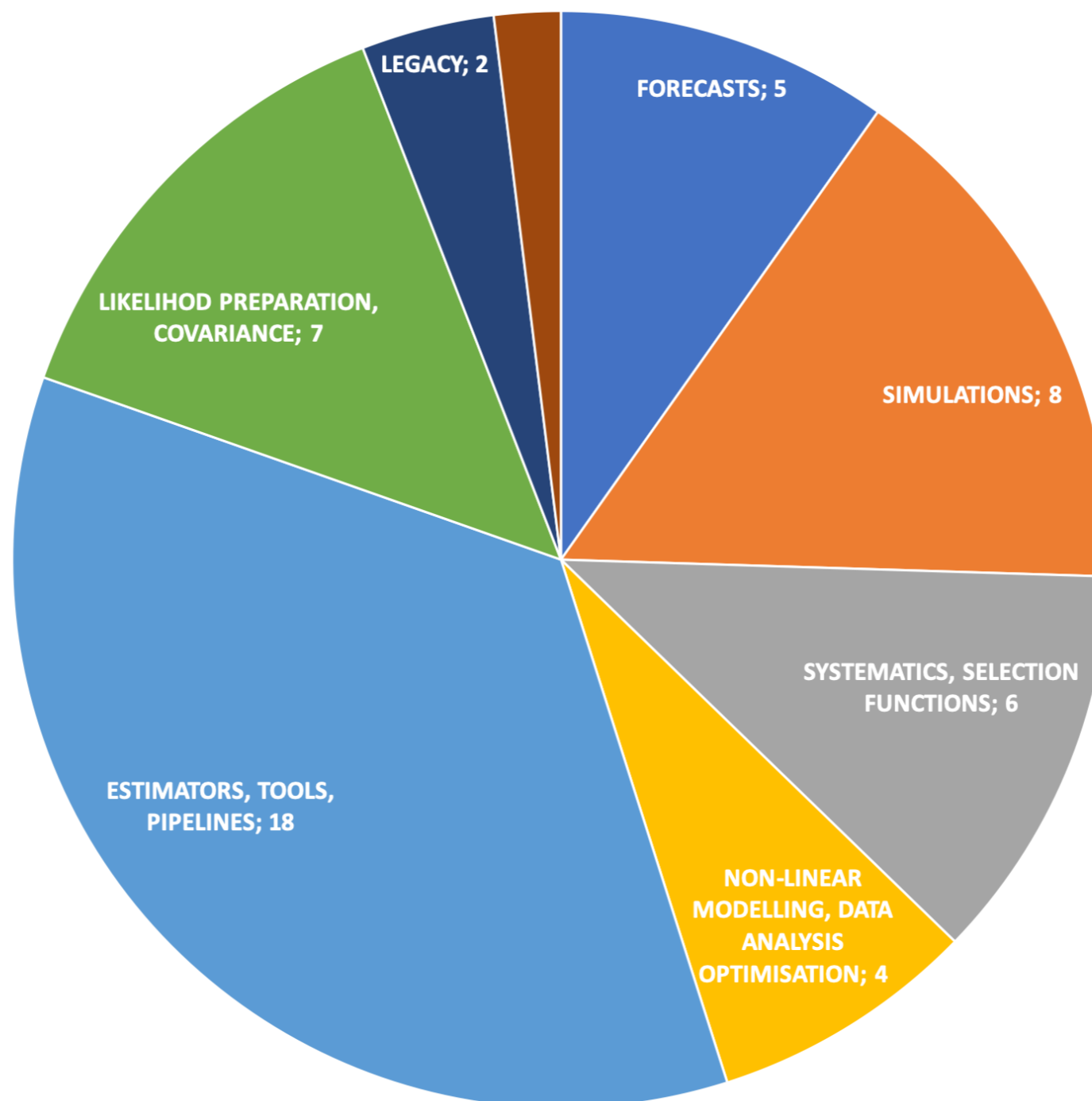
Total of 54 Key Projects listed

KP distribution among SWGs/LE3

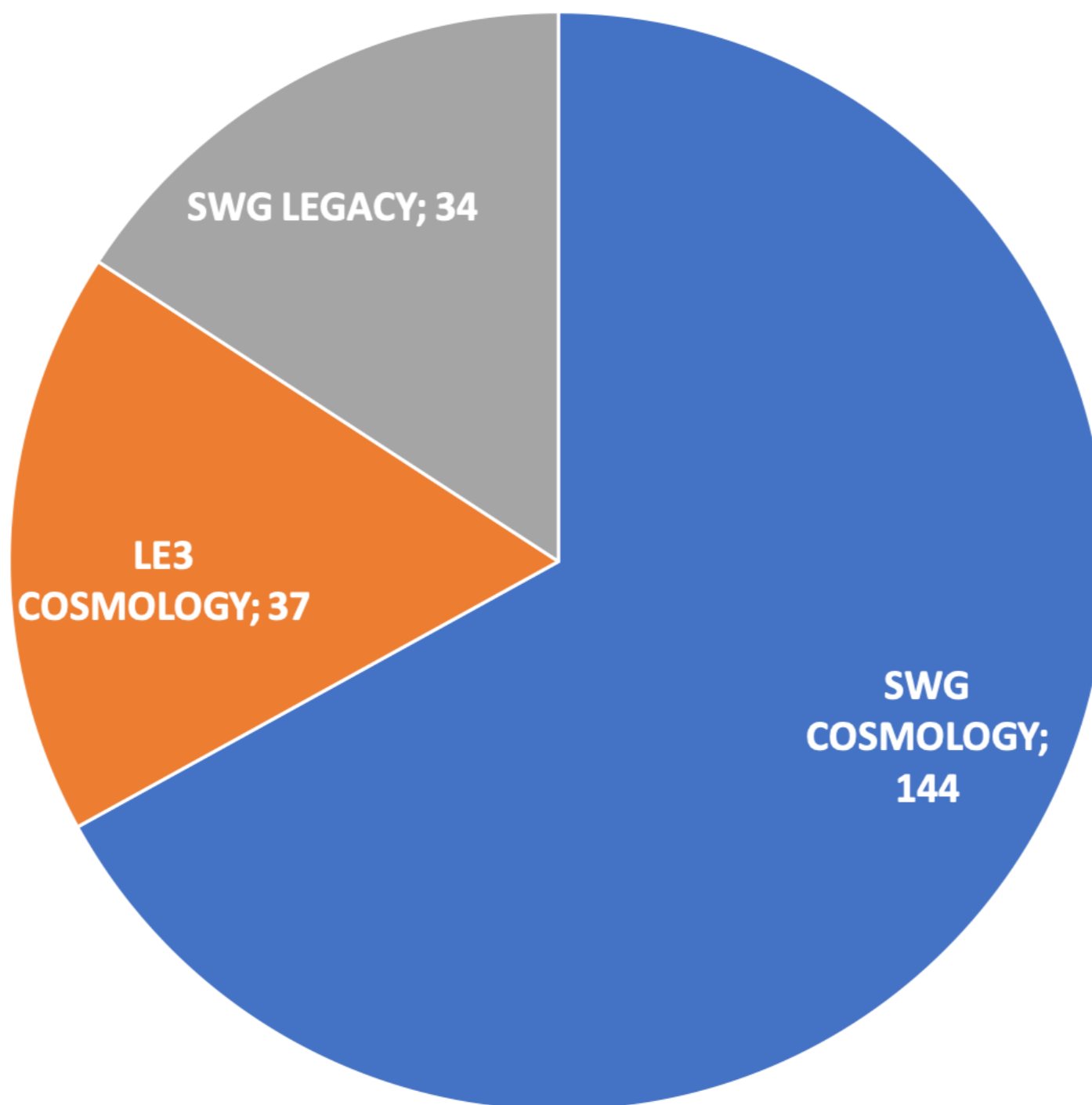
DISTRIBUTION OF KEY PROJECTS



What kind of projects?



Cosmology vs. Legacy KP papers



Total of 215 papers!

- Large numbers: **54 KPs, about 210 papers (!)**
- A handful of KPs could have been further consolidated (e.g. CMBXC), but it was time to close the process
- Monitor paper development: a few may eventually become SPPs
- This has been an extremely important exercise:
 - Forced SWGs to discuss internally, share ideas, engage more and identify priorities (beyond early “wish-lists”)
 - **Overlaps** between SWG plans became evident, suggesting creation of new **interfaces and coordination structures** (e.g. “Covariance task force”), as well as natural **joint project areas** (e.g. new “Joint legacy projects” section)
 - Importance of ISTs evident: **7 cosmology KPs are joint projects**, mostly coordinated by either IST:LIK or IST:NL
- Pre-launch projects clearly more natural for some units (e.g. LE3 – algorithms, methods) —> post-launch will be different (e.g. no Flagship papers this round)
- **A crucial learning process to fine-tune the science flow**

- 11th November 2020: KP document presented and discussed by ECPG-S chairs at dedicated ECB telecon
 - Very positive feedback: approach and philosophy fully endorsed by ECB
 - Minor details will be sent back, no need to see the document again
 - Publication of approved list will go together with:
 - A. Amendment to Project Definition Document (PDD) and Publication Policy Document (PPD), providing guidelines for the implementation phase
 - B. Stress-test and final commissioning of the Science Portal, i.e. the software infrastructure (already in use) that handles the whole process of project proposal, evaluation and management
- Opening date: December 31, 2020

Next step: KP kick-off and management

- Current guidelines in the Project Definition Document (PDD) and connected parts of the Publication Policy Document (PPD) still too general
- The need for a revision (amendment) as to more precisely capture the KP / paper management process became evident with the Pre-launch KP exercise
- Better clarify split of (1) project proposal/implementation and (2) publication, between ECPGs and ECEB respectively
- A bottom-up process, learning from Pre-launch KP list exercise: Work-Packages —> SWGs —> ECPG
- Amendment document started before summer by Science Coordination Group (custodian L. Guzzo), already iterated with ECPG-S/T/D Chairs, ECEB Chair and ECL
- Currently in advanced stage. At 11 Nov telecon agreed to submit draft to ECB this week, for rapid iteration and publication by end of the year together with KP list

PDD Amendment Document

	PDD pre-launch amendment: draft for discussion	Ref.: Update to PDD Issue: 0.4 Date: 10/07/20 Page: 1/13
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Title:	Project Definition Document pre-launch amendment		
Date:	10/07/20	Issue:	0.4
Reference:	Update to EUCL-STRW-PUB-1-001 (PDD)		
Custodian:	Luigi Guzzo		

- First draft developed by Sc Coord. Group (custodian of PDD)
- Further revision involving ECPG Chairs, ECEB Chair, ECL, ECCG
- To be sent to ECB this week
- Plan is to deliver it at the moment as an independent amendment document, to be eventually merged into PDD, updating the relevant articles (and related PPD parts)

Prepared by:		Date :	Signature :
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END