

地球系统数值模拟与应用全国重点实验室 (LabESM)

LabESM 开放课题管理办法

(2025 年 9 月 1 日)

一、总则

1、开放课题研究是全国重点实验室科研工作的重要组成部分。LabESM 开放课题秉承“开放、共享、协同创新”原则，有效促进全国重点实验室与兄弟单位的科研协作，有力推动 LabESM 自身科研发展，积极发挥重要的桥梁作用。根据 LabESM 学术委员会的建议，经 LabESM 主任办公会研究讨论，制定了 LabESM 开放课题的管理实施办法。管理办法如下：

二、开放课题申请人应具备的条件

2、开放课题的申请人应为中国科学院大气物理研究所及中国科学院大学以外的科研人员，年龄不超过 40 周岁，已获得博士学位，申请人必须与 LabESM 的一名正高级固定成员合作。

3、开放课题应主要围绕 LabESM 的三个主要研究方向（如下所示），与 LabESM 固定成员开展互补性合作研究：

- 1) 地球系统动力学理论
- 2) 地球系统模式研发
- 3) 地球系统预测与应用

每年实验室均将围绕上述三个研究方向，制定开放课题具体的研究指南，并通过申请通知发布。

4、每个 LabESM 正高级固定成员每年限一项合作申请开放课题。

5、申请人同期只能主持一项开放课题，在读研究生（含在职）不能申请开放课题。

三、开放课题的申请和审批

6、本着自由申请的原则，每年资助 10 项左右课题。如确属与 LabESM 研究存在明显互补性且通过合作能够取得有效进展的，也可通过 LabESM 学科带头人推荐，与自由申请课题共同参与评审。

7、LabESM 每年 7 月中旬在室网页或公众号发布开放课题申请的通知，申请人须于 8 月下旬将申请表盖章扫描发送至实验室联系人邮箱。对全重实验室急需的重要领域每年可不定期特批 1—2 项开放课题。

8、实验室组织有关专家对开放课题进行评审，并由主任办公会给出是否录用的具体意见，并提交学术委员会审批。审批通过的开放课题将及时通知本人并在实验室网页、公众号等公布。

四、开放课题的管理

9、开放课题每项资助额度为 5-10 万元，执行时间为 2 年；经费分两次拨付。

10、开放课题中期和结题时，申请人须按要求提交中期和结题报告，并阐明与合作人在哪些方面取得互补性合作，并取得什么成果；申请

人和 LabESM 合作研究人员须保证参加 LabESM 定期组织召开的开放课题研究成果交流会和学术年会。

11、受到开放课题资助的论文应把 LabESM 作为第一或第二工作单位标注，否则不能列入开放课题的科研成果；受开放课题支持所获得或产生的数据图表资料、模式、技术报告等须同结题报告一起提交实验室。

12、对在执行期间内无故未按 10 至 11 条要求开展工作或未发表任何署 LabESM 成果论文的开放课题视为不合格，三年内不接受对 LabESM 开放课题的申请，并在 LabESM 学术委员会上通报并通知本人。

13、开放课题承担者所在单位和 LabESM 共享开放课题的科研成果。

五、附则

14、本规定自 2025 年 9 月 1 日开始执行。

15、本规定的解释权归 LabESM 主任办公会。

Administrative Measures for LabESM Open Research Program

September 1st, 2025

I. General Provisions

1. LabESM Open Research Program is an important part of LabESM 's research work. In line with the principle of “openness, sharing, and collaborative innovation”, LabESM Open Research Program has acted as a bridge establishing and promoting scientific research collaboration among LabESM and sister institutes. Based on the suggestions from the LabESM Academic Committee and following discussions at the LabESM Director's Office Work Meeting, the Implementation Measures for the Management of LabESM Open Research Program has been formulated. The measures are as follows:

II. Eligibility

2. LabESM Open Research Program applicants should be researchers outside the Institute of Atmospheric Physics, Chinese Academy of Sciences (IAP/CAS) and University of Chinese Academy of Sciences (UCAS), under 40 years old with a Ph.D. degree, and must collaborate with one LabESM senior tenure scientist.

3. LabESM Open Research Program should center on the three LabESM major research tasks (as shown below) and conduct complementary collaborative research with a LabESM senior tenure scientist

- 1) Mechanism of Earth System Dynamics
- 2) Development of Earth System Model
- 3) Earth System Prediction and Application

Based on the above three tasks, the laboratory will issue specific guidelines for research topics, and release them by notice.

4. Each senior LabESM tenure scientist is entitled to but one application each year.

5. One cannot apply another LabESM Open Research Program while he or she is leading an ongoing program. Graduate students cannot apply for the program.

III. Application and approval

6. LabESM funds about 10 Programs each year. The application is open to all eligible

scientists. If a certain research topic suggests a clear complementarity to LabESM research and progress is expected through collaboration, this topic can join in the application through recommendation by LabESM priority task team Principal Investigator.

7. Call for application notice is posted on LabESM website mid-July every year. Applicants must send application forms to the laboratory by late August. For an important research area that LabESM needs to develop urgently, 1-2 open programs may be approved at any time within a year.

8. Relevant experts will be organized to review all applications, and the LabESM Director Work Meeting will provide specific comments, which are submitted to the LabESM Academic Committee for approval. The results will be released online and the funded applicants will be informed in time.

IV. Management

9. For each program, the amount of subsidy is about 50,000 to 100,000 Yuan, and the duration is 2 years; the funds are allocated twice.

10. When completing a program, the applicant should submit a completion report as required and clarify in which aspects the partners have collaborated and what results have been achieved; the applicant and the LabESM collaborator shall ensure that they participate in LabESM Open Research Program seminars and LabESM annual meeting organized regularly by the lab.

11. Papers funded by LabESM Open Research Program should mark LabESM as the first or the second affiliation. Otherwise, they cannot be listed in the research results of the program. Data charts, models, and technical reports that are achieved or generated under the program support must be submitted to LabESM along with the completion report.

12. Any funded program that fails to conduct work in accordance with the above requirements No.10 and No. 11 in the duration or does not publish any paper affiliating to LabESM will be deemed unqualified, and the undertakers' application for the Program in the following three years will not be considered. Moreover, both the LabESM Academic Committee and the undertakers will be notified of this conduct.

13. The Program undertaker's affiliation and LabESM share the Program research achievements.

V. Supplementary Provisions

14. This Administrative Measures for LabESM Open Research Program will come in to force from September 1st, 2025.
15. The LabESM Director Work Meeting reserves the right to interpret the Measures.