

中欧科研创新联合资助机制 **China-EU Co-Funding Mechanism on Research and Innovation**



中国科学技术交流中心 欧洲处
China Science and Technology Exchange Center

欧盟 – 优秀的科研创新合作伙伴

500 million people - 28 countries - a single market*

5亿人口 — 28个国家 — 单一市场



- 7% of the World's population 世界人口比例
- 20.4% of world expenditure on R&D 占世界研发支出比例
- 32.1% of high-impact publications 高影响力论文比例
- 25% of patent applications 专利申请比例

* **Free movement of people, goods, services, capital and knowledge**
人口、商品、服务、资本以及知识的自由流动

What is Horizon 2020?

什么是地平线2020?

A €77 billion research and innovation funding programme (2014 -2020)

总预算**770**亿欧元的科研创新资助计划（**2014-2020**）

Coupling research with innovation: 'from lab to market'

连接科研与创新：“从实验室到市场”

Focus on societal challenges: health, clean energy, transport, etc.

关注社会挑战：健康、清洁能源、交通等等

Open to participation of companies, universities, institutes in EU and beyond

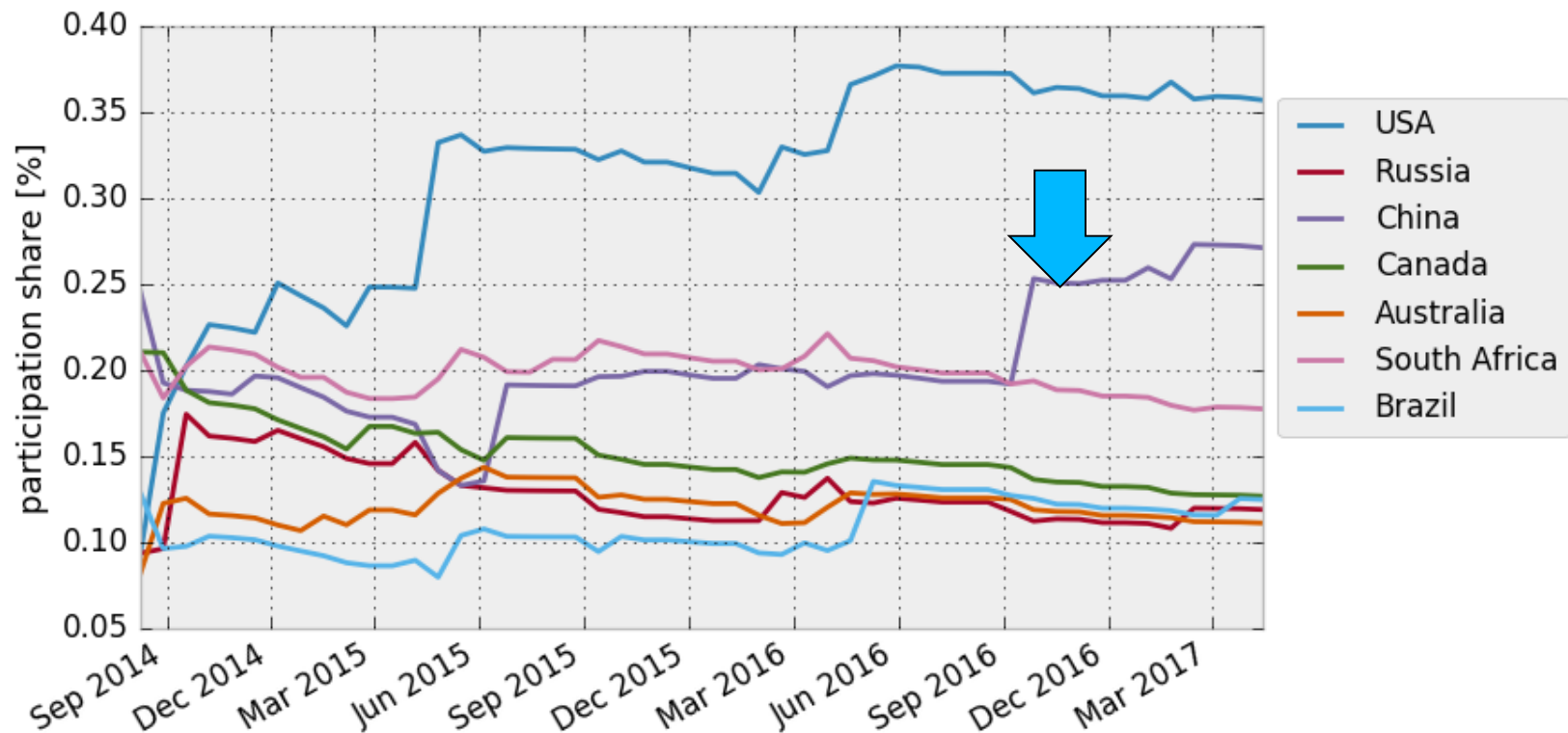
面向欧盟以及世界各地的公司、高校、科研院所开放



Horizon 2020 – Evolution of participations

地平线2020 – 各国参与项目的发展趋势

Evolution of participations
of the most active non associated countries



Note: Signed collaborative projects of Horizon 2020. Data for beneficiaries and third-parties.
Each line shows the cumulative share of participations of a country within all H2020.
Source: DG RTD - International Cooperation
Data: CORDA (JRC, EIT & art.185 not included); extraction date: 17/10/2017

WHAT'S IN IT FOR CHINA?

中方如何获益?

Connect the best teams and individual researchers from China with Europe's excellence in research and innovation
联系中欧最优秀的科研创新团队和人员

Generally: Fully open to the participation of all Chinese Researchers and innovators in ALL Calls for Proposals
向中国科研创新个人和机构全面开放



Access to Europe's knowledge, data, infrastructures, and world-leading scientific networks.

获取欧洲的知识、数据、设施、以及世界领先的科研网络

In addition: Several topics in the Work Programmes specifically flag China, i.e. encourage the participation of Chinese Partners
此外: 一些课题特别提到了中国, 鼓励中国伙伴参加这些项目

But new funding rules apply!
但适用新的资助规则

EU China Collaboration: from S&T to R&I

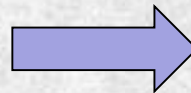
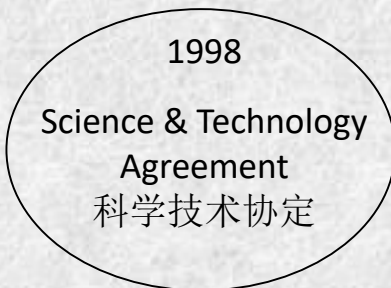
中欧合作: 从科技合作到科研创新合作



Science & Technology
科学技术



Research & Innovation
研发创新



Deeply embedded in the **EU-China 2020 Strategic Agenda for Cooperation**

根据《中欧合作2020战略规划》

Promoting the EU-China comprehensive strategic partnership in the next decade

促进中欧未来十年全面战略合作伙伴关系

EU China Innovation Cooperation Dialogue

中欧创新合作对话



Upgrade the EU-China science and technology partnership 升级欧盟与中国的科技伙伴关系
Identify areas for international cooperation of common interest 找到符合双方共同利益的国际合作领域
Food, Agriculture, Biotechnologies, Sustainable Urbanisation, ICT, Aviation 食品、农业、生物技术、可持续城镇化、信息技术、航空
Cooperate in innovation as means of tackling societal challenges and promoting sustainable growth 把创新合作作为解决社会挑战和提升可持续发展的一种方式
Promote predictable, transparent and effective framework conditions related to innovation cooperation 提升可预测、透明有效的创新合作框架
Co-funding 共同资助



EU-China Co-funding Mechanism (CFM)

中欧科研创新联合资助机制



**EU-based partners in the project
receive funding from Horizon
2020**

设立在欧盟国家的项目机构由
“地平线2020”资助

100 million euros
1亿欧元



**China-based partners in the project
can apply to the Co-Funding
Mechanism of MOST**

设立在中国的项目机构可申请
科技部联合资助机制支持

200 million RMB
2亿元人民币

Per year until 2020
至2020年，年度资助规模

New call for proposals for 2018, 26 March 2018 2018年度项目申报指南2018年3月6日发布

http://www.most.gov.cn/mostinfo/xinxifenlei/fgzc/gfxwj/gfxwj2018/201803/t20180326_138789.htm



New Work Programmes 2018/2020

“地平线2020” 2018–2020年度工作计划

5 EU-China STI Flagship Areas (total of 12 topics)

5个中欧科技创新旗舰领域（共12个课题）

- Food, Agriculture and Biotechnologies 食品、农业与生物技术：科技部（MOST）
- Sustainable Urbanisation 可持续城镇化：科技部（MOST）
- Surface Transport 地面交通：科技部（MOST）
- Aviation 航空：工信部（MIIT）
- Biotechnologies for Environment and Health 环境与健康生物技术：国家自然科学基金委员会（NSFC）

9 Priority Themes Eligible for MOST Co-Funding

科技部联合资助支持的9大优先领域

- ICT, intelligent and green manufacturing, safe clean and efficient modern energy, ... health, marine, space, new materials, public security ...
- 信息通讯技术、智能绿色制造、安全清洁有效的现代能源、...健康、海洋、空间、新材料、公共安全...

14 Additional Horizon 2020 topics targeting China

“地平线2020” 14个其他针对中欧合作的课题



EU-China Co-funding Mechanism (CFM)

中欧科研创新联合资助机制

CFM calls published by MOST

科技部发布的联合资助机制项目申报指南



- ❑ 2016: First call for year 2016 published on 16 December 2015 – two deadlines
→ 27 projects selected for CFM funding
- ❑ 2017: Two calls published for year 2017 on 19.01.2017 and 22.12.2017
→ 19 projects selected for CFM funding in the first 2017 call
- ❑ 2018: First call for 2018 published on 26.03.2018 – **Deadline 15 May 2018**

New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南

For China-based Partners in Horizon2020 Proposals 面向参与“地平线2020”项目的中方单位
Eligibility criteria similar to NKP Rules 适用国家重点研发计划申请资格要求

2018年3月
26日发布

Two Parts of
the Call
支持两类项目

Published
26 March,
2018

Flagship Joint Topics 旗舰项目

食品、农业和生物技术；可持续城镇化；地面交通

4- 5 Projects
funded

60 Million RMB

Nine Priority Areas 九个优先领域

信息通讯技术；健康；能源；新材料等

Up to 15
projects

50 Million RMB

New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批 项目申报指南

Who can apply? 谁可以申报?

China-based participants in joint projects in Horizon 2020 Work Programmes 2018

参与“地平线2020”计划2018年度工作方案合作项目的中方机构

*Research institutes, universities and enterprises registered in Chinese mainland
with independent legal person status before 31 December 2016*

中国大陆境内注册的科研院所、高等学校和企业等，具有独立法人资格，注册时间为2016年12月31日前

Other eligibility requirements

其他资格要求

New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南

What topics are covered? 哪些课题可以申报?

Flagship Initiatives 旗舰合作计划项目

- ❖ **Food, agriculture and biotechnologies**
食品、农业和生物技术
(SFS-30-2018)
- ❖ **Environment and sustainable urbanisation**
环境和可持续城镇化
(SC5-13-2018-2019 A)
- ❖ **Land transport**
地面交通
(LC-MG-1-1-2018 C)

Other priorities 其他领域方向

1. **New generation information network** 新一代信息网络
2. **Intelligent and green manufacturing** 智能绿色制造
3. **Safe, clean and efficient energy** 安全清洁高效的现代能源
4. **Health technologies** 健康技术
5. **Marine equipment** 海洋装备
6. **Space** 航天
7. **New materials** 新材料
8. **Large scientific research infrastructures** 大科学装置
9. **Public security** 公共安全

New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南

How to apply? 如何申报?

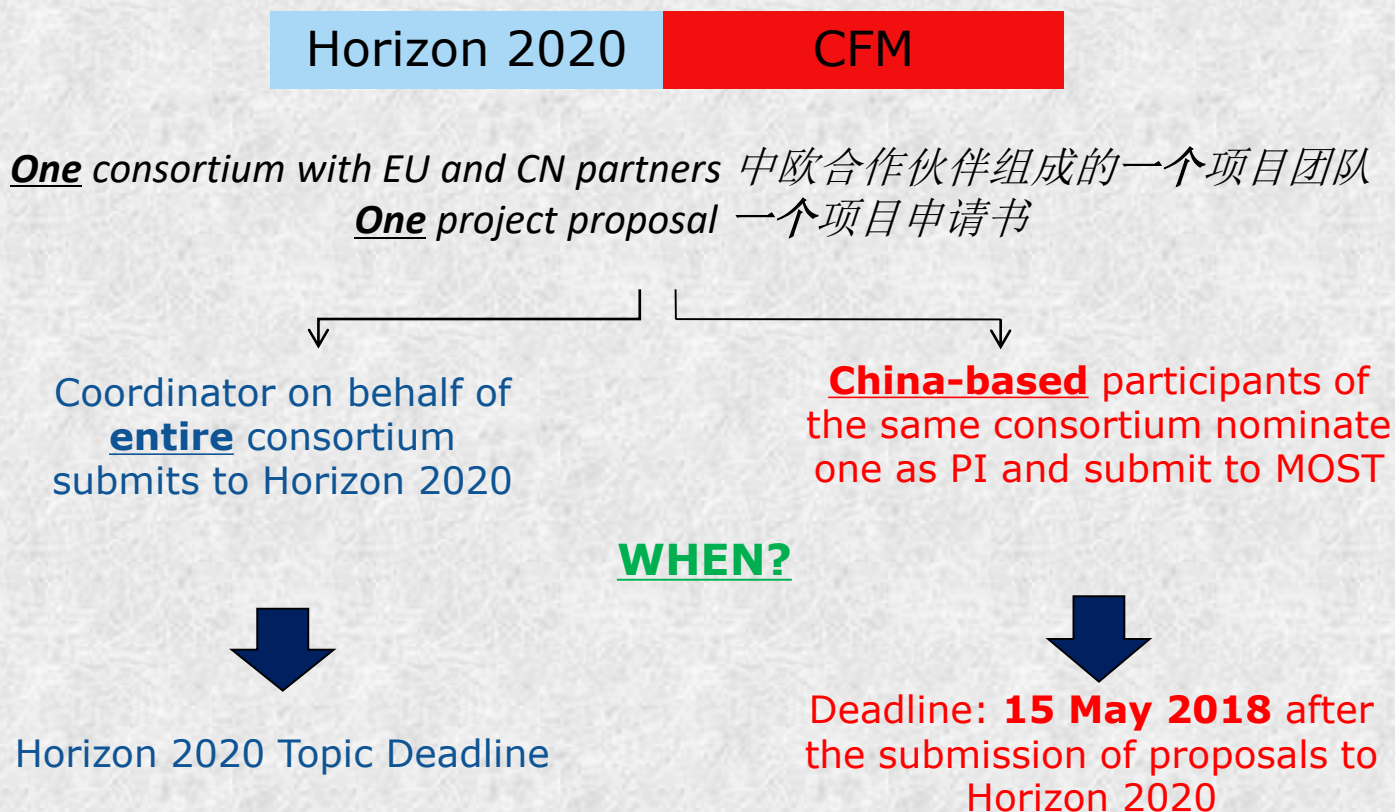
Two-stages: Pre-application → if selected → formal application
两步：预申报书 → 若入选 → 正式申报书

Submission online via the National S&T Information System
通过国家科技管理信息系统在线填报并提交



New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南



New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南

Where can I find the call information? 如何查询申报指南内容?

MOST Call website 科技部申报指南网址

http://www.most.gov.cn/mostinfo/xinxifenlei/fgzc/gfxwj/gfxwj2018/201803/t20180326_138789.htm

Reference translations for the call document 申报指南文件参考译文

<http://ec.europa.eu/research/iscp/index.cfm?lg=en&pg=china>



New CFM Call by MOST for 2018

科技部发布联合资助机制2018年度首批项目申报指南

Contact on inquires 咨询联系方式

MOST 科技部

Mr. Dai Qian Email: daiq@most.cn; hzs_ozc@most.cn

Tel. +86.10.58881358

China Science and Technology Exchange Centre 中国科技交流中心

Mr. Xin Bingqing E-mail: xinbq@cstec.org.cn Tel: +86.10. 68598010

Ms. Lin Xiyan Email: linxy@cstec.org.cn Tel: +86.10.68573441

EU Delegation to China 欧盟驻华代表团

Email: Delegation-China-Scitech@eeas.europa.eu



EU-China Co-funding Mechanism (CFM)

中欧科研创新联合资助机制

Other CFM calls published by China

中方其他部门发布的联合资助机制项目申报指南

Flagship Initiative on Aviation

With Ministry of Industry and Information Technology

- **Topic:** LC-MG-1-6-2019: Aviation operations impact on climate change
- **Date of publication:** 17.01.2018 – **deadline** 24.04.2019
- **Website of the call:** <http://xxgk.miit.gov.cn/gdnps/wjfbContent.jsp?id=6017273>

Flagship Initiative on biotechnologies for health and environment

With National Natural Science Foundation of China

- **Topic:** New biotechnologies for environmental remediation
- **Date of publication:** 03.01.2018 – **deadline** 12.04.2018
- **Website of the call:** <http://www.nsfc.gov.cn/publish/portal0/tab434/info72596.htm>



CFM project title: China-EU Innovative Platform on New urbanization: Key Technology and Planning for the Cultural City 中欧新型城镇化合作创新平台



Objectives

Urban growth is a worldwide trend and poses significant environmental and social challenges, therefore collaboration is valuable to complement and enrich one another's research activities.

- Promote communication between both partners and developing Joint Policy Strategies
- Creating efficient processes of finding partners and comparable data
- Enable Stakeholders to learn first-hand, transfer outcomes and consolidate
- Linking and involving cities, research, industry and civil society

Coordinator:



Chinese Partners:



ENRICH – European Network of Research and Innovation Centres and Hubs, China 欧盟研究与创新中心（中国）

Beijing, China  Chengdu, China



❑ ENRICH Headquarters: EU SME Centre, Beijing

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Tel: +86 (0) 2885337021

www.china.enrichcentres.eu

china@enrichcentres.eu

Further Information

详情请登陆下列网站

EU Delegation Website 欧盟驻华代表团

https://eeas.europa.eu/delegations/china_en

Horizon 2020 website 地平线2020网站

<http://ec.europa.eu/programmes/horizon2020/en>

Participant Portal 参与申请人员门户网站

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

 **Horizon2020 China Country Page** “地平线2020” 中国网页

http://ec.europa.eu/research/participants/data/ref/h2020/other/hi/h2020_localsupp_china_en.pdf

Euraxess China 中欧科研人员网络

<http://china.euraxess.org>

Ministry of Science and Technology 科学技术部

http://www.most.gov.cn/mostinfo/xinxifenlei/fgzc/gfxwj/gfxwj2018/201803/t20180326_138789.htm

China Science and Technology Exchange Centre 中国科学技术交流中心

<http://www.cstec.org.cn/zh/index.aspx>

EU-China Research and Innovation Cooperation 中欧科研创新合作

<http://ec.europa.eu/research/iscp/index.cfm?pg=china>

National Science and Technology Information System 国家科技管理信息系统公共服务平台

<http://service.most.gov.cn/>

THE EU FRAMEWORK PROGRAMME
FOR RESEARCH AND INNOVATION

欧盟科研创新框架计划

HORIZON 2020

地平线2020



Excellent Science
Global Challenges
Competitive Industries

卓越的科学研究
全球挑战
优势产业

Open to the world!
面向全世界开放！

www.ec.europa.eu/horizon2020

Research and
Innovation



**Thank you
for your attention!**
感谢您的关注！

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