



民國一零五年第四期

【歐盟展望二零二零】

丙申年正月初十

New Projects: 為目前 H2020 進行中的新計畫，提供國內相關領域研究社群從中參與加入的機會

The impact of alcohol consumption on milk banking

29/01/2016

飲酒婦女捐贈母乳合適嗎? (修正)

歐洲出生嬰兒率的攀升，母乳銀行也逐漸普及，但另一方面，歐洲飲酒婦女人數也有增加的趨勢。鑑此，考量嬰兒健康下，已有不少聲浪提出飲酒婦女贈母乳是否有不妥之虞? 歐盟研究正尋求答案。

A portable device to detect the signs of cancer

04/02/2016

攜帶式癌症檢測設備

GLAM計畫開發以尿液追蹤癌症潛在訊號的攜帶式檢驗設備。此發明可加速癌症的診斷和監測效率，同時降低檢測過程中的干擾與不愉快感覺。

The hunt for supercritical water heats up

05/02/2016

超臨界地熱技術提升地熱使用效率

由歐盟資助的 DESCRAMBLE計畫提升地熱的使用效率並且更能廣泛的施用於歐洲有地熱井的地區，減少成本、提高該行業的競爭力。再者可提高此類清潔再生能源的使用率，降低歐洲對進口化石燃料的依賴。

相關活動與訊息

國家實驗研究院國際事務 H2020 計畫辦公室

在此祝您元宵佳節愉快！

[活動]第六屆歐洲運輸研究研討會（6th European Transport Research Conference）將在 2016 年 4 月 18-21 日於波蘭華沙（Warsaw, Poland）舉行，歡迎有興趣之專家學者踴躍參加。[TRA 官網](#)

[活動] **Adaptation Futures 2016** 為氣候改變弱點、影響與適應全球計畫雙年會（Global Programme of Research on Climate Change Vulnerability, Impact and Adaptation, PROVIA）將在 2016 年 5 月 10-13 日於荷蘭鹿特丹（Rotterdam, the Netherlands）舉行，歡迎有興趣之專家學者踴躍參加。[Adaptation Futures 2016 官網](#)

[活動]第六屆奈米科技與有機電子國際展覽會（6th International Exhibition on Nanotechnologies and Organic Electronics, NANOTECHNOLOGY EXPO 2016）將在 2016 年 7 月 4-8 日於希臘塞薩洛尼基（Thessaloniki, Greece）舉行，歡迎有興趣之專家學者踴躍參加。[Nanotechnology Expo 官網](#)

[活動]2016 年度 Living Machines 研討會將在 2016 年 7 月 18-22 日於英國蘇格蘭愛丁堡（Edinburgh, Scotland, UK）舉行，歡迎有興趣之專家學者踴躍參加。[Living Machines 2016 官網](#)

Do You Speak EU?

Topic

Topic 應該是較容易了解的詞。在 H2020 架構中，Topic 是 CALL 的下一層。若 CALL 為歐盟出的研究方向(例如 Blue Growth)，Topic 就是最明確的研究議題(例如 BG-01-2016: Large-scale algae biomass integrated biorefineries)。

Open Calls:近期計畫徵求（僅含部分可獲科技部或歐盟補助之項目；其它詳情請至以下連結）

<https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

第一支柱:卓越科學 (Excellent Science)

已開始接受申請之研究邀請或議題(Call or Topic)

Partnering environment for FET Flagships (FETFLAG-01-2016)

Deadline: 01/03/2016

FET-Open Research and Innovation Actions (FETOPEN-01-2016-2017)

Cut-off Dates: 11/05/2016; 17/01/2017; 27/09/2017

Call for Proposals for ERC Proof of Concept Grant (ERC-2016-PoC) *

Cut-off Dates: 26/05/2016; 04/10/2016

FET Proactive: Emerging themes and communities (FETPROACT-01-2016)

Deadline: 12/04/2016

Research and Innovation Staff Exchange (MSCA-RISE-2016) *

Deadline: 28/04/2016

尚未開始接受申請之研究邀請或議題(Call or Topic)

Individual Fellowships (MSCA-IF-2016) *

Opening on: 12/04/2016 Deadline: 14/09/2016

FET Proactive: Co-design of HPC Systems and applications (FETHPC-01-2016)

Opening on: 14/04/2016 Deadline: 27/09/2016

Research and Innovation Staff Exchange (MSCA-RISE-2017) *

Opening on: 01/12/2016 Deadline: 05/04/2017

Individual Fellowships (MSCA-IF-2017) *

Opening on: 11/04/2017 Deadline: 14/09/2017

FET Proactive: Transition to Exascale Computing (FETHPC-02-2017)

Opening on: 12/04/2017 Deadline: 26/09/2017

* 科技部不補助，但可獲歐盟補助。

第二支柱:產業領導力 (Industrial Leadership)

已開始接受申請之研究邀請(Call or Topic)

Information and Communication Technologies Calls (H2020-ICT-2016-2017)

Opened Topic Deadline: 12/04/2016

Forthcoming Topic Opening on: 10/05/2016 or 08/12/2016

* 科技部政策僅開放第二支柱中的 ICT CALL 中的 Future Internet (ICT 第 7 到 13 號議題)與 Robotics (ICT 第 25 到 28 號議題) 兩個議題領域申請補助。對第二支柱其它研究邀請或議題有興趣者將須以個案向科技部申請補助。

第三支柱:社會挑戰 (Societal Challenges)

全部或部分 Topic 已開始接受申請之研究邀請(Call)

Rural Renaissance – Fostering Innovation and Business Opportunities (H2020-RUR-2016-2017)

Opened Topic Deadlines: 17/02/2016

Forthcoming Topic Opening on: 04/10/2016

Blue Growth – Demonstrating an Ocean of Opportunities (H2020-BG-2016-2017)

Opened Topic Deadlines: 17/02/2016

Forthcoming Topic Opening on: 04/10/2016

Sustainable Food Security – Resilient and Resource-Efficient Value Chains (H2020-SFS-2016-2017)

Opened Topic Deadlines: 17/02/2016

Forthcoming Topic Opening on: 15/03/2016, 04/10/2016

Bio-based Innovation for Sustainable Goods and Services – Supporting the Development of a European Bioeconomy (H2020-BB-2016-2017)

Opened Topic Deadlines: 17/02/2016

Forthcoming Topic Opening on: 04/10/2016

Greening the Economy (H2020-SC5-2016-2017)

Opened Topic Deadlines: 07/03/2016, 08/03/2016

Forthcoming Topic Opening on: 14/04/2016, 08/11/2016

Smart and Sustainable Cities (H2020-SCC-2016-2017)

Opened Topic Deadlines: 08/03/2016, 05/04/2016

Fast Track to Innovation Pilot (H2020-FTIPILOT-2016)

Cut-Off Dates: 15/03/2016, 01/06/2016, 25/10/2016

SESAR Joint Undertaking Wave 1 (H2020-SESAR-2015-2)

Deadline: 16/03/2016

H2020-JTI-IMI2-2016-08-SINGLE-STAGE

(H2020-JTI-IMI2-2015-08-SINGLE-STAGE)

Cut-Off Dates: 16/03/2016, 15/09/2016, 16/03/2017, 14/09/2017, 15/03/2018

Shift2Rail Joint Undertaking Call for Proposal 2015 (H2020-S2RJU-2015-01)

Deadline: 17/03/2016

Shift2Rail Joint Undertaking Call for Proposal 2016 (H2020-S2RJU-2016-01)

Deadline: 17/03/2016

Competitive Low-Carbon Energy (H2020-LCE-2016-2017)

Opened Topic Deadlines: 05/04/2016

Forthcoming Topic Opening on: 14/04/2016, 11/05/2016, 20/09/2016, 11/05/2017

Digital Security Focus Area (H2020-DS-2016-2017)

Opened Topic Deadlines: 12/04/2016

Forthcoming Topic Opening on: 15/03/2016, 08/12/2016, 01/03/2017

Personalised Medicine (H2020-SC1-2016-2017)

Opened Topic Deadlines: 12/04/2016, 13/04/2016

Forthcoming Topic Opening on: 29/07/2016, 20/09/2016, 08/11/2016

Co-Creation for Growth and Inclusion (H2020-SC6-CO-CREATION-2016-2017)

Opened Topic Deadline: 24/05/2016

Forthcoming Topic Opening on: 04/10/2016

尚未開始接受申請之研究邀請(Call)

Critical Infrastructure Protection (H2020-CIP-2016-2017)

Opening on: 15/03/2016

Security (H2020-SEC-2016-2017)

Opening on: 15/03/2016, 01/03/2017

Energy Efficiency Call 2016-2017 (H2020-EE-2016-2017)

Opening on: 15/03/2016, 15/06/2016, 19/01/2017

2016-2017 Automated Road Transport (H2020-ART-2016-2017)

Opening on: 20/09/2016

2016-2017 Mobility for Growth (H2020-MG-2016-2017)

Opening on: 20/09/2016

2016-2017 Green Vehicles (H2020-GV-2016-2017)

Opening on: 04/10/2016

Engaging Together Globally (H2020-SC6-ENG-GLOBALLY-2016-2017)

Opening on: 04/10/2016

Reversing Inequalities and Promoting Fairness

(H2020-SC6-REV-INEQUAL-2016-2017)

Forthcoming Topic Opening on: 04/10/2016

Understanding Europe – Promoting the European Public and Cultural Space

(H2020-SC6-CULT-COOP-2016-2017)

Forthcoming Topic Opening on: 04/10/2016

國研院 H2020 計畫辦公室資訊

國研院 H2020 計畫辦公室網頁 (www.ncp.tw)

臉書專屬網頁 (<https://www.facebook.com/H2020.NCP.TW?ref=ts&fref=ts>)

一元復始 萬象更新

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