

# 展望2020暨歐盟國家聯絡據點計畫簡介

## Horizon 2020 and EU NCP, Taiwan

歐盟科研架構國家聯絡據點辦公室  
EU National Contact Point, Taiwan

# Content

- **何謂展望2020?**  
What is Horizon 2020?
- **Horizon 2020科研架構**  
The 8th Framework Program for Research and Innovation
- **3大精神主軸**  
The Three Pillars
- **國內補助方案與機制**  
Domestic Funding Mechanisms
- **Appendix**
- **NCP任務方針**  
Mission of NCP Office
- **NCP國內外科研脈絡**  
NCP Network
- **NCP主要業務推廣**  
NCP Major Tasks
- **NCP服務項目**  
Get Support from NCP
- **近期徵求計畫項目總覽**  
Recent Horizon 2020 Call For Proposals
- **近期活動**

• 何謂展望2020?

What is Horizon 2020?

• Horizon 2020 科研架構

The 8th Framework Program for Research and Innovation

• 3大精神主軸

The Three Pillars

• 國內補助方案與機制

Domestic Funding Mechanisms

# 何謂展望2020?

## What is Horizon 2020?



展望2020 (Horizon 2020)為延續FP7歐盟計畫之多邊合作科研計畫 (FP8)，於今年度1月1日起正式啟動，計畫期限至2020年12月31日。此計畫架構項下綜整3大精神主軸涵蓋12項重點領域，我國以第三國家 (Third country participant)身分參與執行計畫，鼓勵國內學者專家組成跨國團隊申請執行。國內學者經審查通過後可依領域別向國內或歐方規定機制獲得補助。

# 展望2020科研架構

## Horizon 2020 Framework Programme for Research and Innovation

### 1. Excellent Science

European Research Council

Future and Emerging Technologies

Marie Curie Actions

Research Infrastructures

### 2. Industrial Leadership

Leadership in Enabling & Industrial Technologies

- information and communication technologies
- nanotechnologies
- advanced materials
- biotechnology
- advanced manufacturing and processing
- space

Access to Risk Finance

Innovation in SME

### 3. Societal Challenges

7 Challenges

- Health, Demographic Change and Wellbeing
- Food security, sustainable agriculture, marine and maritime research and the bio- economy
- Secure, Clean and Efficient Energy
- Smart, Green and Integrated Transport
- Climate Action, Resource Efficiency and Raw Materials
- Europe in a changing world: Inclusive, Innovative and Reflective Societies
- Secure Societies – Protecting Freedom and Security of Europe and its Citizens

Joint Research Centre (JRC)

Widening Participation

Science with & for Society

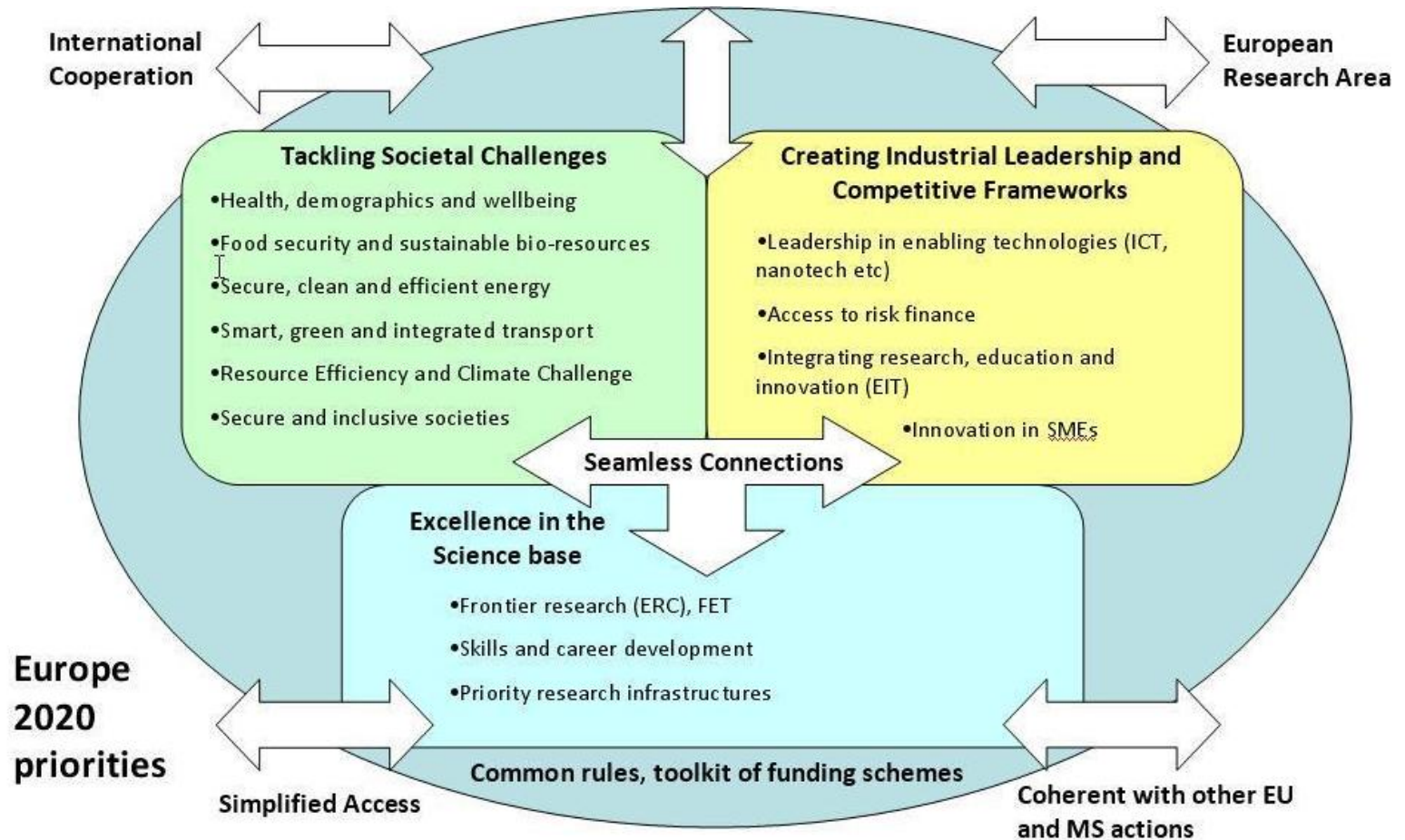
European Institute of Innovation and Technology (EIT)

Joint Programming P2P

Joint Technology Initiatives (JTIs) P2B

# 展望2020三大精神主軸

## The Three Pillars of Horizon 2020



# From FP7 to Horizon 2020

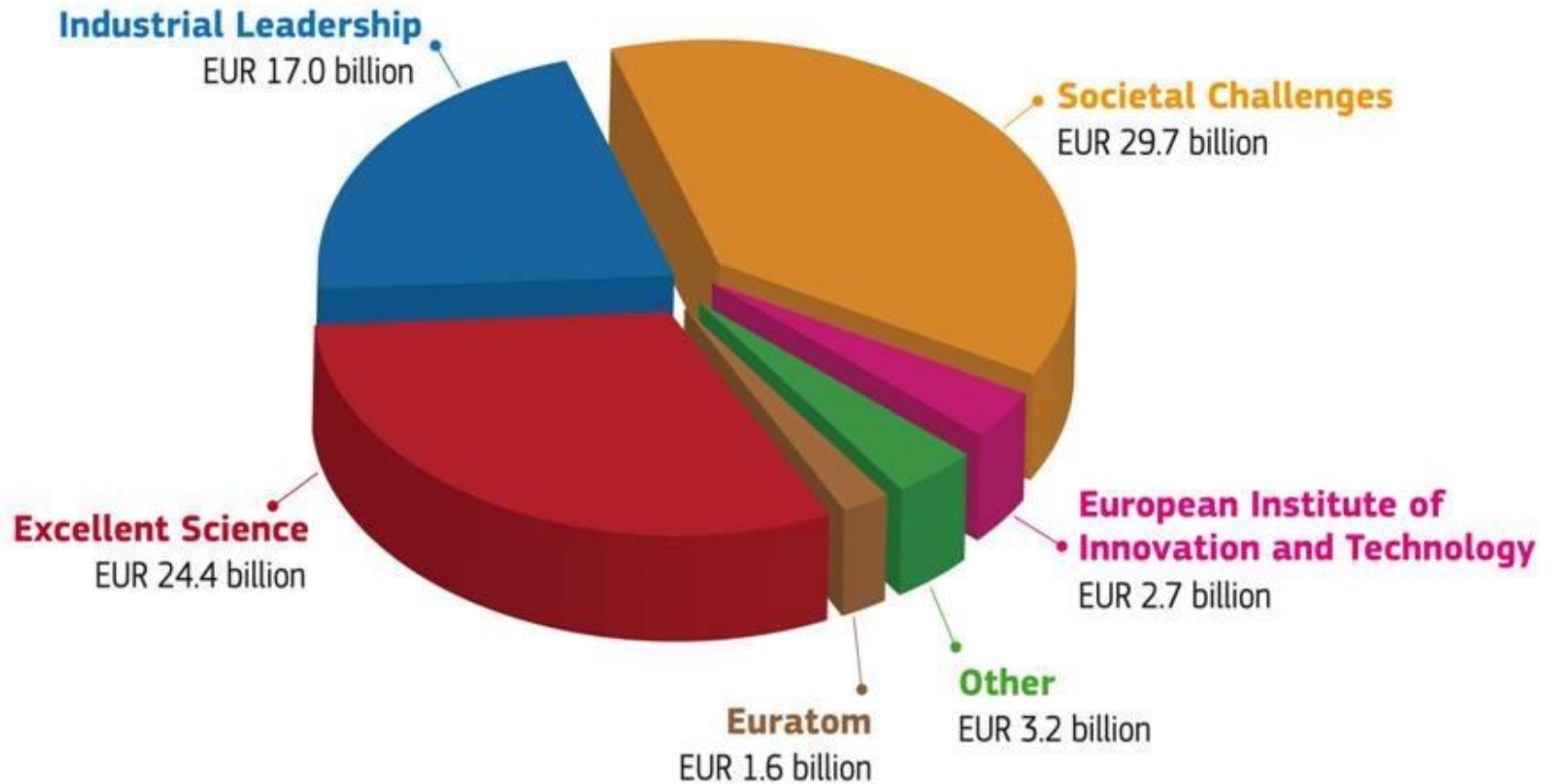
## FP7 and Horizon 2020 comparison-The most important changes

Description	FP7	Horizon2020
Focus	Research	Research and Innovation
Budget	55 billion €	~ 79 billion €
Components	Cooperation, Capacities, People, Ideas, Euratom, JRC	Excellent Science, Industrial Leadership, Societal challenges, Spreading Excellence, Science for Society, EIT, JRC, Euratom
Funding rate (up to) for research	75%	100%
Funding rate (up to) for Demonstration/ Innovation projects	50%	70% 100% for non-profit organizations
Overhead/indirect costs	Different models (20% 60% or actual)	25%
Time-to-grant	12 months in average after submission of proposal	reduced to 8 months (5+3)
Ex-ante financial viability check	All beneficiaries exceeding 500,000 EUR EU contribution	Coordinators
Audit certificates to be submitted	All beneficiaries exceeding 375,000 EUR EU contribution - cumulative in periods	All beneficiaries exceeding 325,000 EUR EU contribution - only one at the end of the project (Flat rate)
Interest on pre-financing	Reported by the coordinator	No need to declare
Thematic approach	"Cooperation" 10 themes	Will be under "Industrial leadership" and "Societal challenges"
Frontier Research, ERC	New in FP7 - Ideas block	Extended under the "Excellent Science" pillar
International Collaboration	Not emphasized	Third country participants are welcome

# 3大支柱經費分佈

## Budget Allocation of the Three Pillars

HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)





# 國內補助方案與經費機制



科技部

科技部鼓勵國內學術界參與  
展望2020計畫方案

## 第一支柱:

\* European Research Council (ERC)-四種補助機制

\* Marie Skłodowska-Curie Action (MSCA)-全球優秀研究人員皆可善加利用RISE機制

\* Future Emerging Technology (FET)

## 第二支柱:

ICT: Future Internet (未來網路)、  
Robotics (自動化、機器人)

## 第三支柱:

12個重點領域之跨國跨領域研究，補助之計畫佔7年H2020的15%

[相關公告辦法](#)



教育部配合歐盟文教總署設置獎學金方案

## Europe 2020

\* **新伊拉莫斯計畫(Erasmus +)**-三大行動方案與四項子方案，鼓勵碩博士學生在不同學年到至少2所歐盟國家之大學修業

\* **莫內計畫(Jean Monnet Activities)**-六項子方案，鼓勵國內學生、教師與歐方各國進行交流

[相關公告簡章](#)



經濟部推動產業參與歐盟創新研發計畫補助方案

「**推動產業參與歐盟創新研發計畫**」-鼓勵產業運用自身科技技術與產業優勢，尋求參與歐洲前瞻技術共同研發之機會，透過歐盟多邊創新研發合作平台，加入展望2020科研計畫，提升我國學術與產業研發能量與商品知名度

[相關申請辦法](#)

# 參與展望2020之方式



## 個人型

### Individual Project

若申請者有意長期前往歐洲移地研究或與歐洲專家學者共事，可考慮申請個人型計畫。



## 團隊型

### Partner Project

若申請者有意參與多邊整合型計畫，將其研究技術做跨領域之整合，則可考慮參與團隊型計畫。

# 個人型：歐盟研究委員會計畫 (European Research Council, ERC)

ERC為歐盟專職負責基礎研究(Basic Research)的權責單位，其政策採不限領域、不限國籍，鼓勵全球優秀學者提出前瞻創新計畫書，經審查通過者，可直接獲歐盟的補助。

ERC 共推動四種補助機制: <http://erc.europa.eu/>

## 1. Starting Grants

- For researchers of any nationality with 2-7 years of experience since completion of PhD (or [equivalent degree](#)) and scientific track record showing great promise
- Funding per grant: up to € 1.5 million (in some circumstances up to € 2 million)

## 2. Consolidator Grants

- For researchers of any nationality with over 7 and up to 12 years of experience since completion of PhD (or [equivalent degree](#)) and scientific track record showing great promise
- Funding per grant: up to € 2 million (in some circumstances up to € 2.75 million)

## 3. Advanced Grants

- Research field: any field of science, engineering and scholarship
- Researchers: any nationality, any age.
- Applicants must be scientifically independent and have a recent research track-record and profile which identifies them as leaders in their respective field(s) of research
- Funding: up to € 2.5 million per grant (in some circumstances up to € 3.5 million per grant)

## Common Criteria for 1-3 Grants:

- Duration: up to 5 years
- Sole evaluation criterion: scientific excellence of researcher and research proposal
- Calls for proposals: published once a year
- Research must be conducted in a public or private research organization (known as a Host Institution/Hi) located in one of the EU [Member State](#) or [Associated Countries](#)

## 4. Proof of Concept Grants

- All Principal Investigators benefitting from an ERC Advanced, Synergy, Consolidator or Starting Grant that is either ongoing, or where the project has ended less than 12 months before the publication date of an ERC Proof of Concept call.
- The Principal Investigator must be able to demonstrate the link between the idea and the related ERC-funded project
- Funding per grant: up to € 150.000
- Duration: up to 18 months
- Calls for proposals: published once a year with two deadlines

# 個人型計畫：解讀ERC



確定您在歐盟的Host Institution及可以使用到的研究環境、設備及資源；歐盟認定該Host Institution負責管理之責但並非申請者之雇主

Frontier Research

獎助類別	分項描述	資格限制	研究決心
Starting Grant	欲研究之主題處於無人提出之概念階段	取得博士學歷並從事研究工作後2~7年期間	至少投入個人50%的時間於該研究計畫
Consolidator Grant	研究主題已具備雛形概念，有待進一步探索	取得博士學歷並從事研究工作後7~12年期間	
Advanced Grant	研究主題已有基礎概念，仍需建構更具體的研究論點	需為PI資格，並至少有培育年輕研究者之實際成效	至少投入個人30%的時間於該研究計畫



**Proof of concept Research**

曾參與Frontier Research之研究者，在歐盟研究計畫完成後**12個月內**才能繼續申請參與本項計畫

# ERC Grants 2014 年主要公開徵求計畫書時程一覽表

Calls	Publication dates	Deadlines	Budgets
ERC Starting Grants (StG)	11 December 2013	25 March 2014	€485 million
ERC Consolidator Grants (CoG)	11 December 2013	20 May 2014	€713 million
ERC Advanced Grants (AdG)	17 June 2014	21 October 2014	€450 million
ERC Proof of Concept (PoC)	11 December 2013	1 April and 1 October 2014	€15 million

# 個人型：居禮夫人計畫 (Marie Skłodowska Curie Action)

三項方案: <http://ec.europa.eu/programmes/horizon2020/en/h2020-section/marie-sklodowska-curie-actions>

Innovative Training Networks (ITN)

Individual Fellowships (IF)

Research and Innovation Staff Exchanges (RISE)

科技部鼓勵參與  
項目

目的: 促進研究與創新文化分享，獎勵創造力與創業精神，協助進一步將創意轉化為創新產品、服務或程序。

**合作型態與計畫期限:** 參與機構需就其研究專業共同提出一研究創新計畫；人員交換期程為1-12月不等。

**研究領域:** 無特定限制

**參與部門條件:**

- 學術部門: 可授予學位的公私立高等教育機構、以研究為主要任務的公私非營利研究組織、國際組織(如: CERN, EMBL)
- 非學術部門: 私人/中小型企業、非營利組織或慈善組織、博物館、醫院、國際組織(如: 聯合國、世衛組織)等。

**參與條件:**

- 台灣需以第三國家(Third Country Participants)身分加入，計畫成員至少來自三地處於三個不同國家的機構；其中兩個機構需為歐盟會員國或鄰近國(EU Member States or Associate countries)。
- 若三個機構都來自於歐盟會員國或鄰近國，至少有一機構需來自於學術部門，而另一機構來自非學術部門。

**計畫執行要點:**

- 全球性開放的申請方案，學術與非學術機構之年輕學者、資深研究員、或支援該計畫研究與創新活動的行政、管理與技術人員皆可申請。

**注意事項:**

- 單一國家內機構間交換；不同國家、單一部門交換；以及第三國間不同機構的交換---將不受本案補助。

# 個人型計畫：解讀MSCA之RISE



Coordinator Institute



受益單位 (能簽Grant agreement的歐盟國家\*)  
Beneficiaries

參與單位 (3rd countries)  
Partner Organizations

## 參與的機構

1. 所有參與機構須分屬不同領域及專長，針對研究主題共同提出創新計劃
2. 以機構名義簽署合作計畫案，派任轄下人員參與此計畫
3. 計畫期限最長為四年，派任上限540人/月

## 被派任的個人

1. 需為所屬單位被雇用6個月以上之在職員工
2. 至參與的機構 (歐盟或歐盟鄰近國) 進行研究合作
3. 派任期間為1~12個月 (可分在四年內完成)
4. 被派任者可獲歐盟提撥每月2千歐元之薪資
5. 派任後需回原單位述職



# 團隊型：科技部補助方式

## 三大支柱項下團隊型計畫參與方式

### 「H2020 先期規劃計畫」申請

**申請時間:** 依年度公告辦理

**申請資格:** 擬參與H2020計畫者；擬參與計畫之屬性為“Research and Innovation Action”或“Innovation Action”類型者

**證明:** 由歐方合作夥伴或計畫主持人提出正式書面證明，書信中表述將與本國研究人員合作申請H2020之計畫

### 正式以Participant身分成功參與計畫

**申請時間:** 隨到隨審

**申請資格:** 獲歐盟正式審查通過且本國團隊無法獲歐盟依相關規範補助經費者；本國團隊參與該計畫時間點在該計畫開始執行一年內；計畫之屬性為“Research and Innovation Action”或“Innovation Action”類型者

**證明:** 需檢附Consortium Agreement, Work Program, Grant Agreement, CORDIS Publication Record等文件

### 103年度申請時程與方式:

**截止日期:** 103年6月30日

**補助期限:** 103年9月1日至104年8月30日

**經費上限:** NTD 40萬元/年

**申請方式:** 請至科技部網站進入「研究人才個人網」點選「國際合作類」項下之「歐盟 H2020 先期規劃計畫」線上提出申請後，並由各申請機構以正式公文並檢附相關申請資料(計畫清冊)，向本部提出申請。[\[More Details\]](#)

**經費上限:** NTD 300萬元/年

**補助項目:** 現歐盟會員國或團隊計畫指定之歐洲國家國外差旅費 (含移地研究費)、業務費、研究設備費、管理費(上限 8%)

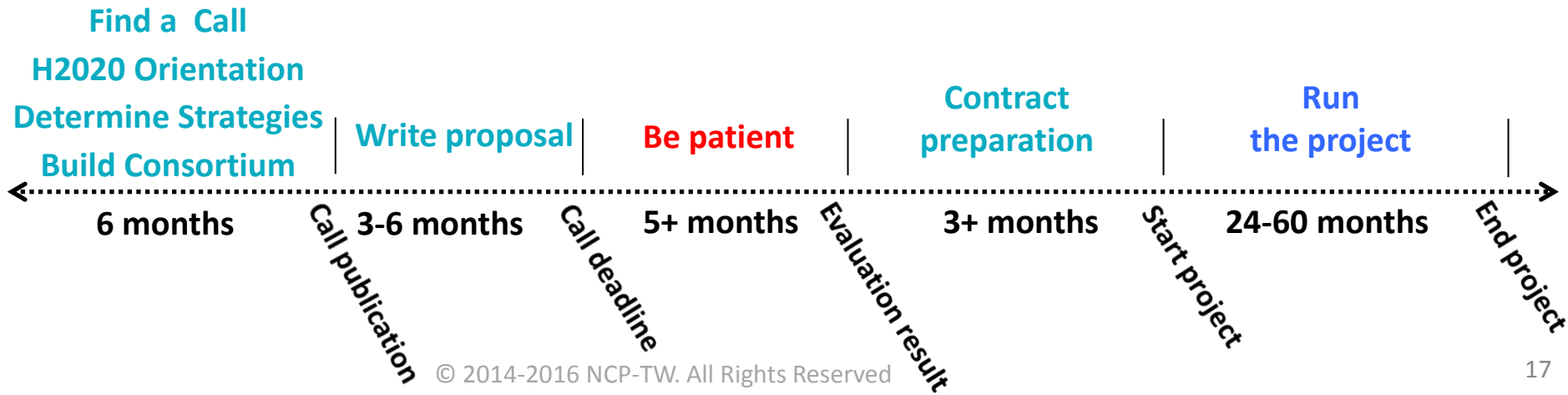
**計畫件數限制:** 單一計畫主持人成功參與三國以上團隊所組成之歐盟跨國研究型計畫，得以一件計畫不算件數。[\[More Details\]](#)





# The Project Life Cycle

<b>Inexperienced Applicants without Partners</b>	H2020 Orientation <a href="#">URL</a>	Determine Strategies <a href="#">Work Programme</a>	Build Consortium <a href="#">Partner Search</a>	Define Role and Tasks <a href="#">Proposal Criteria</a> <a href="#">Check IPR</a>	Prepare Consortium Contract <a href="#">Contract Template</a>	Execution of a project <a href="#">Interim Cost Statement</a>
<b>Inexperienced Applicants with Partners</b>	H2020 Orientation <a href="#">URL</a>	Determine Strategies <a href="#">Work Programme</a>		Define Role and Tasks <a href="#">Proposal Criteria</a> <a href="#">Check IPR</a>	Prepare Consortium Contract <a href="#">Contract Template</a>	Execution of a project <a href="#">Interim Cost Statement</a>
<b>Experienced Applicants without Partners</b>			Build Consortium <a href="#">Partner Search</a>	Define Role and Tasks <a href="#">Proposal Criteria</a> <a href="#">Check</a>	Prepare Consortium Contract <a href="#">Contract Template</a>	Execution of a project <a href="#">Interim Cost Statement</a>
<b>Experienced Applicants with Partners</b>					Prepare Consortium Contract <a href="#">Contract Template</a>	Execution of a project <a href="#">Interim Cost Statement</a>



# 歐盟各國研發強項重點提示

Technology	Country
Health (健康醫療)	France, UK, Netherlands, Germany
Biotechnology (食品/農業/生技)	Belgium, Denmark, Germany, France, UK, Italy, Netherlands, Sweden, Finland, Hungary, Ireland, Swiss, Denmark, Israel
Environment (環境應用)	Germany, Finland, Swiss, UK, France, Austria,
Energy (能源技術)	Germany, France, Sweden, Portugal, Finland, Hungary, Poland, Netherlands
NMP (Nanotechnology, Advanced Materials, Manufacturing and Processing) (奈米/材料/生產)	Denmark, Germany, Italy, Poland, Netherlands, Austria, Czech Republics, France, Belgium, Spain, Sweden, Portugal, Finland, Hungary, Ireland, Swiss, UK, Denmark, Norway, Ukraine
ICT (電資通訊)	Estonia, Finland, Germany, UK, Sweden, Ireland, Swiss, Denmark, Israel
Transport (交通/運輸)	Germany, France, Austria, Czech Republics, Italy, Belgium, Spain, Sweden, Swiss, UK
SSH (社會經濟人文)	UK, Germany, Spain, Netherlands, France, Belgium, Italy
Security (安全)	France, Spain, UK, Ukraine, Israel
Legal and Finance (法務/金融)	Luxemburg, Cypress, Netherlands, Ireland, UK

- **NCP任務方針**  
Mission of NCP Office

- **NCP國內外科研脈絡**  
NCP Network

- **NCP主要業務推廣**  
NCP Major Tasks

- **NCP服務項目**  
Get Support from NCP

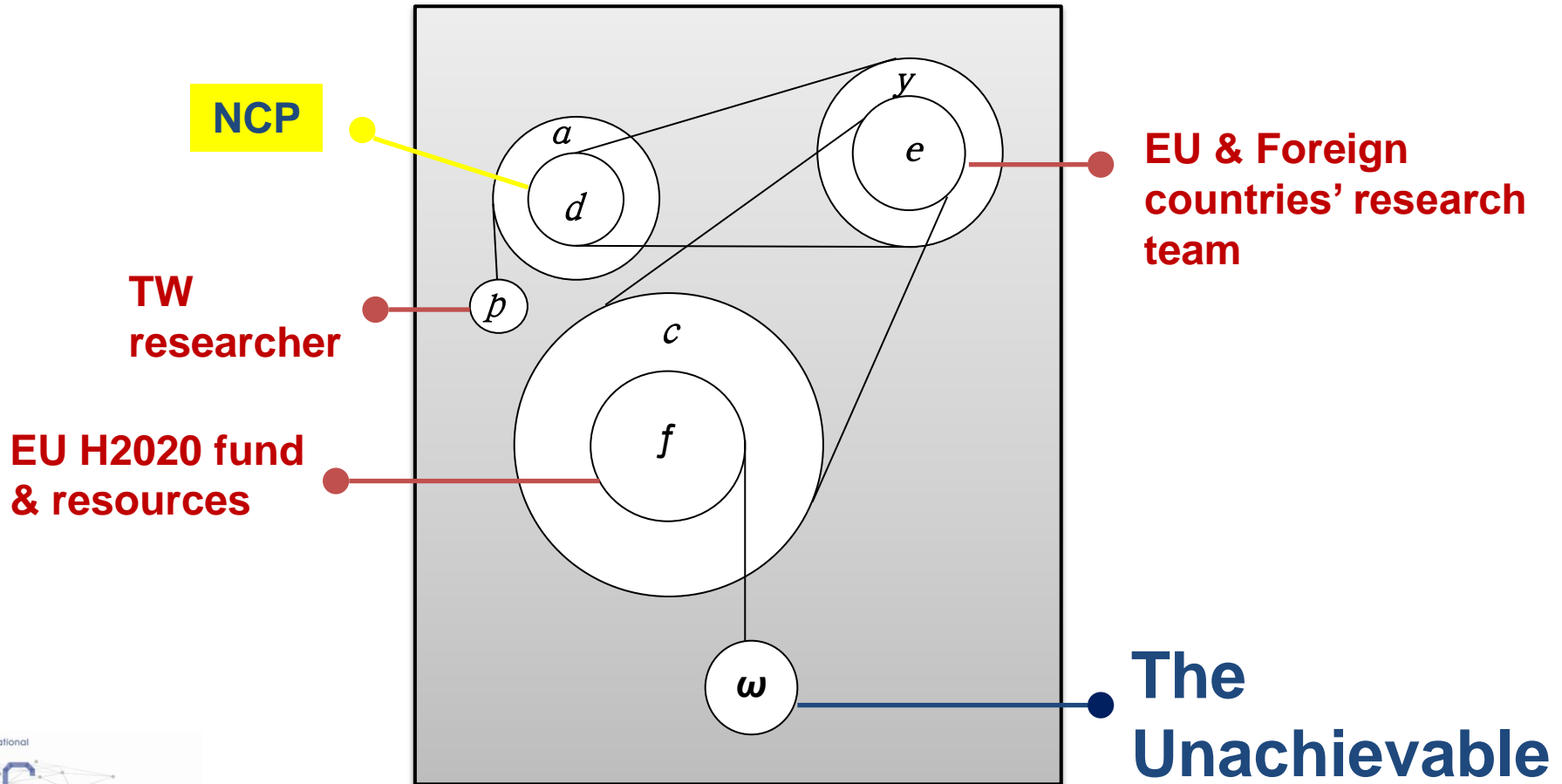
- **近期徵求計畫項目總覽**  
Recent Horizon 2020 Call For Proposals

- **近期活動**

# NCP任務方針

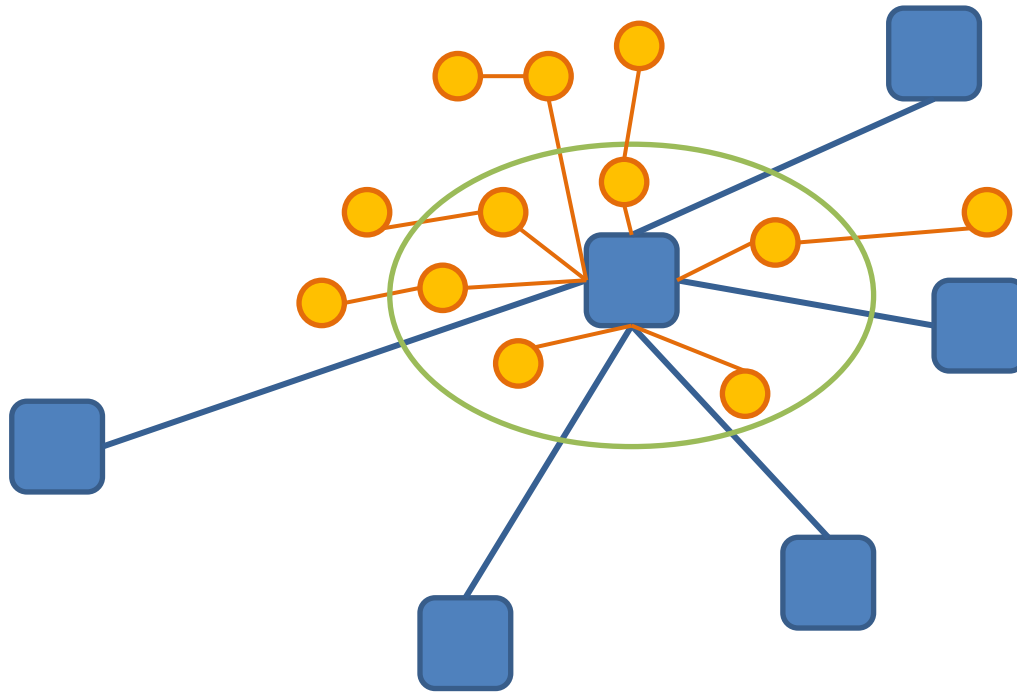
## Mission of NCP office

Bridge the **Best Brain** to achieve **The Unachievable!**



# 國內外NCP科研脈絡

## Welcome to NCP Network



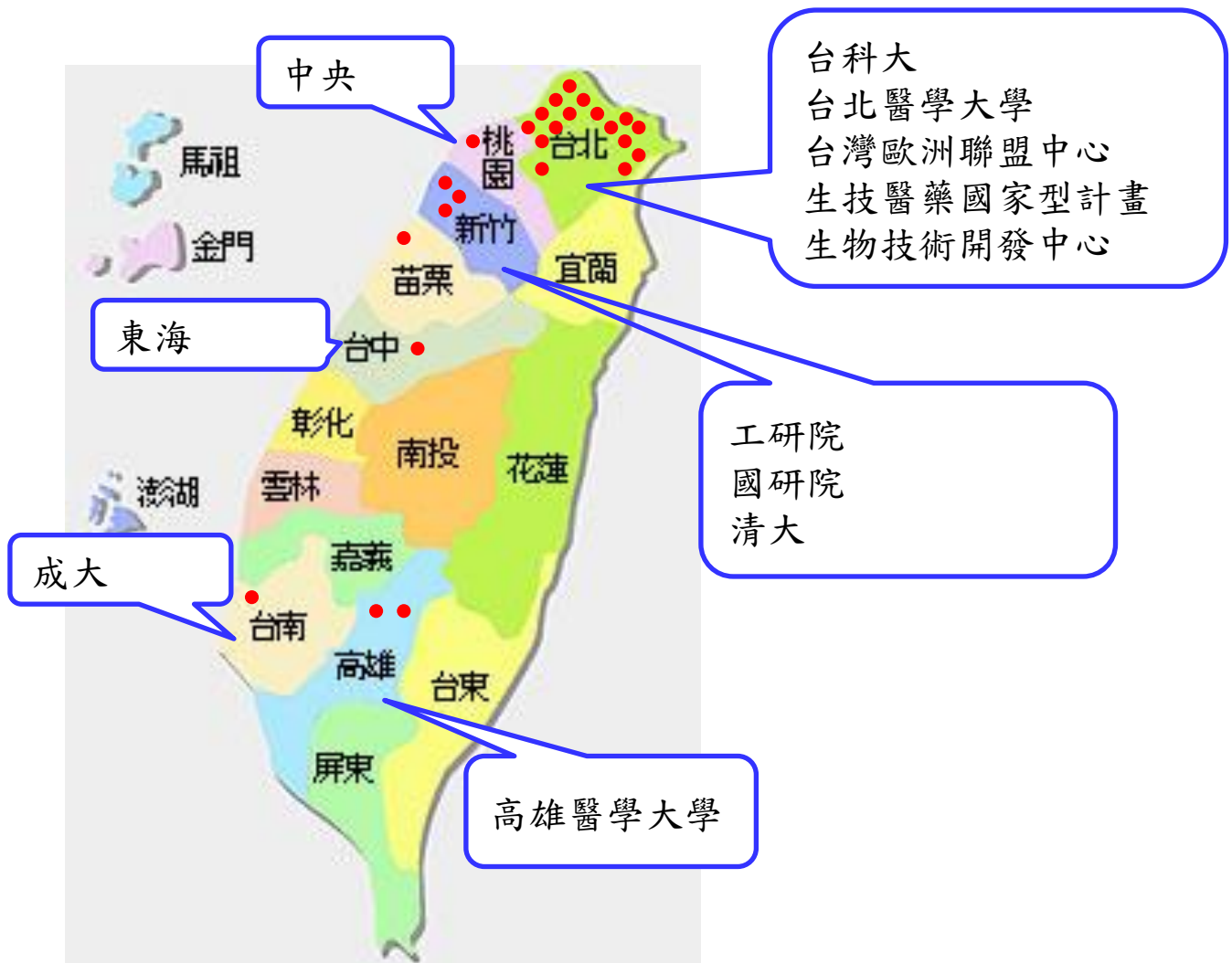
國家聯絡據點（各國NCP）



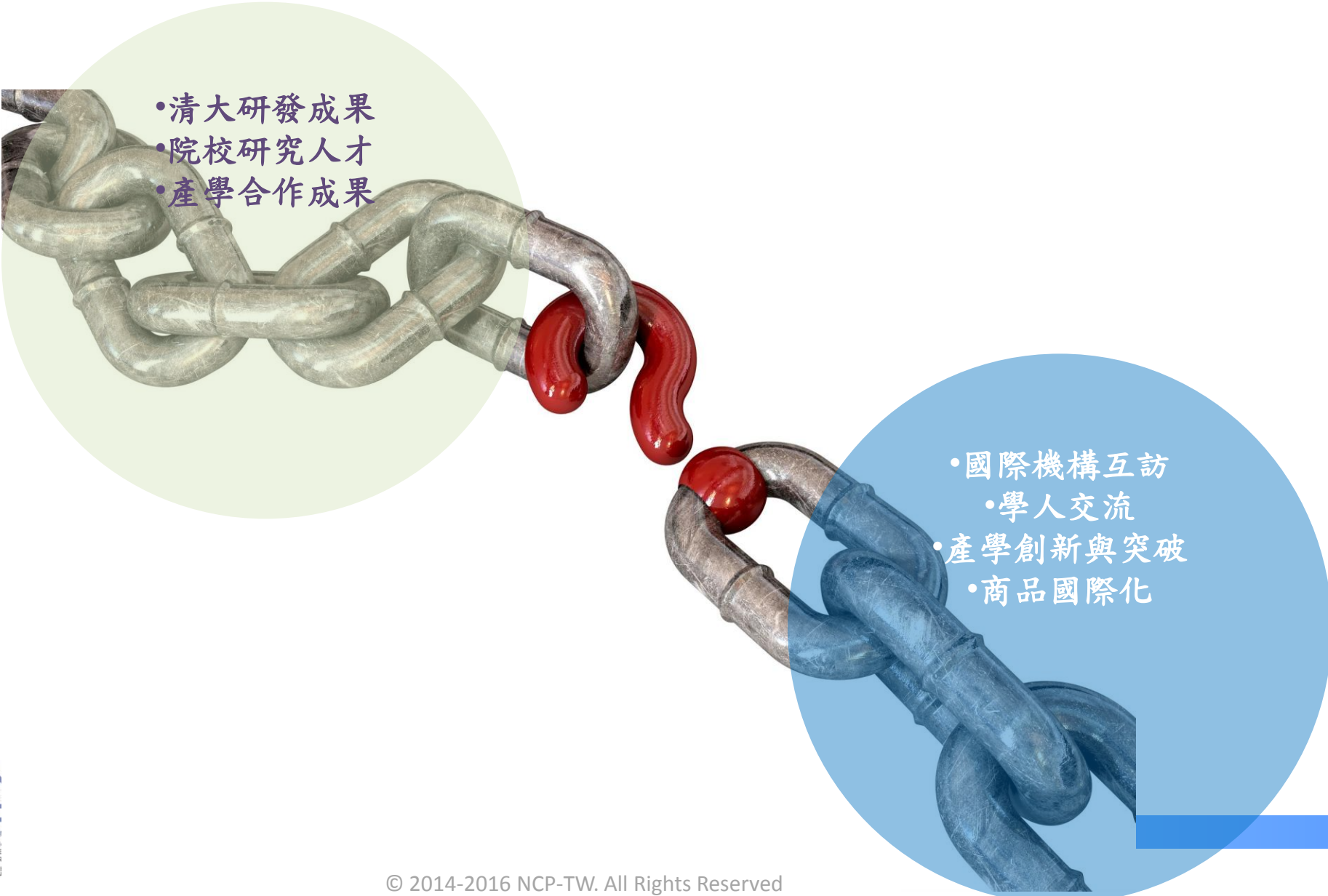
國內推動據點

Institutional Contact Point (ICP)

# 台灣分項領域ICP 聚落分佈



# NTHU as an Influential ICP

- 
- 清大研發成果
  - 院校研究人才
  - 產學合作成果

- 國際機構互訪
- 學人交流
- 產學創新與突破
- 商品國際化

# DCB as a Model ICP

- 國內生技、新藥研究成果
- 國內院校研究者
- 國內研發技術



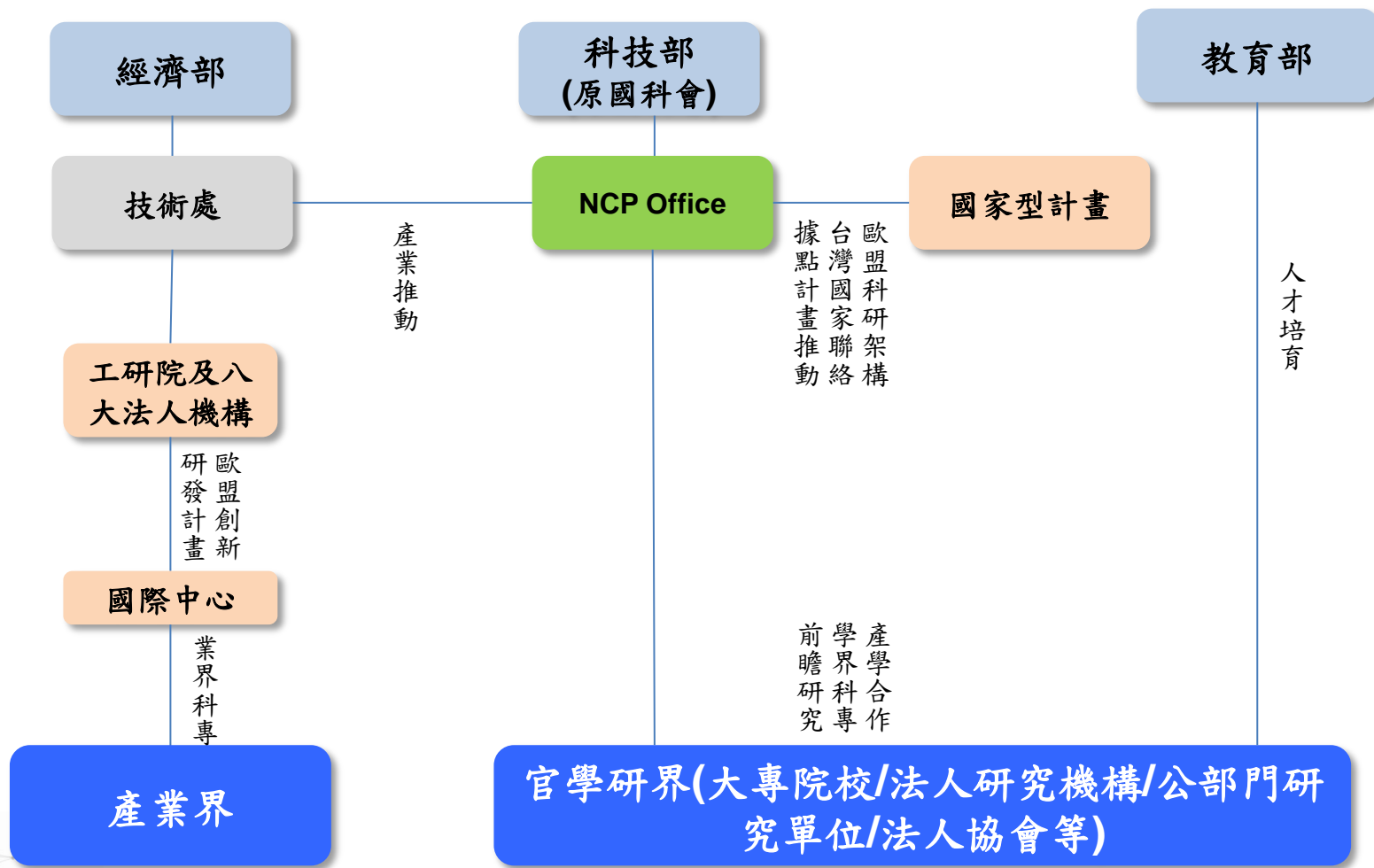
- 國外生技醫藥廠商
- 成果商品化
- 國際合作



1. DCB本身具產官學研各界整合性資源，且擁有研發能量及生技醫藥技術重點核心設施
2. DCB提供申請者豐富的法律、智財相關諮詢，有效建立生技醫藥領域研究者參與國際合作時的專業信賴感。
3. DCB具備國內外產學橋接之功能，提供技術引進、策略聯盟、合作研究、新創公司成立等委託服務。充分整合運用國內外生技研究資源，達成我國生技醫藥產學扶育加值之目標。



# 展望2020歐盟科研架構與 台灣國家聯絡據點 - 產官學研關聯圖

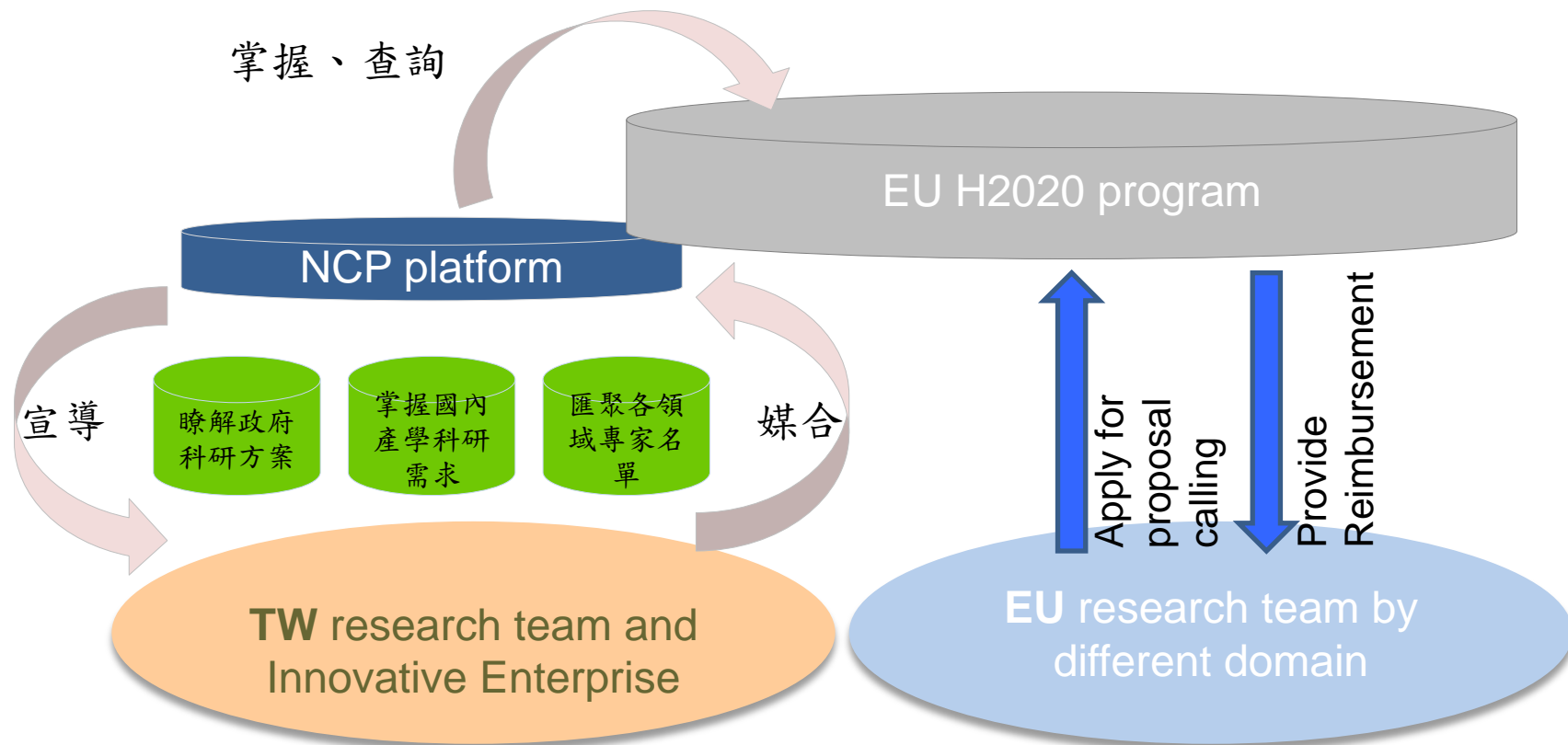


© 2014-2016 NCP-TW. All Rights Reserved

\* 經濟部技術處已於2014年初同意與NCP辦公室共同推廣Horizon 2020相關產業計畫，並委任工研院國際中心「歐盟創新研發計畫」辦公室為台灣SMEs ICP據點，服務產業申請需求。 25

# NCP 主要業務推廣

## NCP Major Tasks



# NCP服務項目

## Get Support from NCP



### 宣導

- 介紹國內針對歐盟科研架構計畫補助機制與審查方式
- 宣傳歐盟科研計畫 Horizon 2020精神及國內外重點科技領域
- 協助國內申請人了解 H2020所涵蓋之歐盟架構計畫項目



### 諮詢

- 學學: 基本技術盤點及研究方向分析後，媒合國內外團隊組成整合型研發團隊
- 產學: 基本技術盤點、研究方向及產業分析後，媒合國內外學研及廠商組成整合型研發團隊
- 協助申請人使用歐盟資訊平台 (CORDIS & H2020 Participant Portal)



### 媒合

- 建立國內外領域據點網絡，協助申請人拓展人脈
- 協助國內外媒合聯繫，尋求合作夥伴

# NCP Service Procedures (1/2)

依照Horizon 2020官網“**How to Participate?**”流程引導國內申請人加入計畫申請行列



## How to participate H2020 ONLINE MANUAL

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their **PICs**
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME

- 1 FIND a call
- 2 FIND partners
- 3 CREATE your account
- 4 REGISTER your organisation
- 5 SUBMIT a proposal

# NCP Service Procedures (2/2)

## 國內外合作夥伴媒合協助流程

### 確認補助機制

- 協助研究團隊檢視所申請的Topic及Type of Action是否符合國內補助公告方向

### 撰寫Research Profile

- 由計畫申請人提供Research Profile & Project Abstract

### 國內外平台公告 & 多邊聯繫

- 由NCP辦公室協助基礎評估後，發送至歐盟各國相關領域NCPs及Networks、國內ICP據點，或引導研發團隊自行上傳資訊至CORDIS Partner Search平台。(一對多)
- 獲得特定合作人選清單後，引導研發團隊自行進行細部合作聯繫及整合計畫書之撰寫。(一對一)

# 展望2020近期徵求計畫總覽 (1/3)

## Recent Horizon 2020 Call For Proposals

### First Pillar-Excellent Science

Call	Deadline
<b>European Research Council (ERC)</b>	
<a href="#">Call for proposals for ERC Starting Grant</a>	25 Mar 2014
<a href="#">Call for proposals for ERC Consolidator Grant</a>	20 May 2014
<b>Future and Emerging Technologies (FET)</b>	
<a href="#">FET-Proactive - Emerging Themes and Communities</a>	1 Apr 2014
<a href="#">FET Flagships - tackling grand interdisciplinary science and technology challenges</a>	10 Apr 2014
<a href="#">FET-Open - novel ideas for radically new technologies</a>	30 Sep 2014
<a href="#">FET-Proactive - Towards Exascale High Performance Computing</a>	25 Nov 2014
<a href="#">FET-Open - novel ideas for radically new technologies</a>	29 Sep 2015
<a href="#">FET-Open - Novel Ideas for Radically New Technologies</a>	29 Sep 2015
<b>Marie Skłodowska-Curie Actions (MSCA)</b>	
<a href="#">Marie Skłodowska-Curie Action: Innovative Training Networks (ITN)</a>	9 Apr 2014
<a href="#">Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)</a>	24 Apr 2014

# 展望2020近期徵求計畫總覽 (2/3)

## Recent Horizon 2020 Call For Proposals

### Second Pillar- Industrial Leadership

Call	Deadline
<b>ICT: Robotics/Future Internet</b>	
<a href="#">Information and Communication Technology Calls (ICT Calls 1-35)</a>	23 Apr, 25 Nov 2014
<b>NMP: Nanotechnologies, Advanced Materials, and Production</b>	
<a href="#">Call for Nanotechnologies, Advanced Materials and Production (NMP Calls 1, 5, 8, 4) (NMP Calls 10-35)</a>	6 May, 2014
<a href="#">Call for Nanotechnologies, Advanced Materials and Production (NMP Call 17)</a>	7 Oct 2014
<a href="#">Call for Nanotechnologies, Advanced Materials and Production (NMP-2, 3, 6, 7) (NMP-14-2015: ERA-NET on Materials (including Materials for Energy) (NMP Calls 11-30)</a>	26 Mar 2015
<b>Factories of the Future</b>	
<a href="#">Call for Factories of the Future (FoF Calls 8-11)</a>	9 Dec 2014
<a href="#">Call for SPIRE - Sustainable Process Industries (SPIRE Calls 5-8)</a>	9 Dec 2014
<b>Energy</b>	
<a href="#">Call for Energy-efficient Buildings (EeB Calls 5-8)</a>	9 Dec 2014
<b>Biotechnology</b>	
<a href="#">Biotechnology (BIOTEC-2, 6)</a>	24 Feb 2015

# 展望2020近期徵求計畫總覽 (3/3)

## Recent Horizon 2020 Call For Proposals

### Third Pillar-Societal Challenges

Call	Deadline
Health, Demographic Change and Wellbeing	
<a href="#">Personalizing Health and Care (PHC 2015-9, 15, 21, 25, 27-30 )</a>	21 Apr 2015
Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy	
<a href="#">Sustainable Food Security (SFS 2015-1c, 2b, 5, 7b, 10b, 11b, 13, 16, 18, 20)</a>	24 Feb, 11 Jun 2015
<a href="#">Innovative, Sustainable and inclusive Bioeconomy (ISIB 2015-2, 12b-f)</a>	11 Jun 2015
Secure, Clean and Efficient Energy	
<a href="#">Energy Efficiency - Market Uptake (EE Calls 4-10, 14-21)</a>	5 Jun 2014
<a href="#">Energy Efficiency Research &amp; Innovation (EE Calls 11-13)</a>	5 Jun 2014
<a href="#">Energy Efficiency Research &amp; Innovation (EE 2015-6, 11, 13)</a>	10 Jun 2015
<a href="#">Energy Efficiency - PPP EeB and SPIRE topics (EE 2015-2, 18)</a>	9 Dec 2014
<a href="#">Call for competitive low-carbon energy (LCE-1, 2, 11, 15, 16)</a>	1 Apr, 23 Sep 2014
<a href="#">Call for competitive low-carbon energy (LCE-4, 7, 8, 10, 14, 18)</a>	7 May 2014
<a href="#">Call for competitive low-carbon energy (LCE-3, 12, 19, 20)</a>	10 Sep 2014
<a href="#">Call for competitive low-carbon energy (LCE 2015-4, 5, 6, 9, 14, 18) (LCE 2015-3, 12, 19, 21)</a>	3 Mar 2015
<a href="#">Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials (SC5-1, 3a, 3b, 6, 16)</a>	8 Apr, 16 Sep 2014
<a href="#">Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials (SC5 2015-3, 12, 21)</a>	3 Mar 2015
<a href="#">Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials (SC5-4, 7, 17) (SC5 2015-2, 11, 11d, 11e, 12b, 18b)</a>	16 Oct 2014 10 Mar 2015
<a href="#">Call- Smart cities and communities (SCC-1, 2, 4)</a>	7 May 2014
<a href="#">Call- Smart cities and communities (SCC 2015-1)</a>	3 Mar 2015



# 展望2020近期徵求計畫總覽 (3/3 Con't)

## Recent Horizon 2020 Call For Proposals

### Third Pillar-Societal Challenges

Call	Deadline
<b>Smart, Green and Integrated Transport</b>	
<a href="#">Green vehicles 2014 (GV Calls 1-5, 7)</a>	28 Aug 2014
<a href="#">Green vehicles 2015 (GV 2015-5, 6)</a>	27 Aug 2015
<a href="#">Mobility for Growth 2014-2015 (MG Calls 1-8)</a>	18 Mar, 28 Aug 2014
<a href="#">Mobility for Growth 2014-2015 (MG 2015-1.2, 3.6, 4.3, 5.4, 5.5a, 6.3, 8.4a)</a>	31 Mar, 27 Aug 2015
<b>Climate Action, Environment, Resource Efficiency and Raw Materials</b>	
<a href="#">Water Innovation: Boosting its value for Europe (Waste-1a, 2a)</a>	8 Apr, 16 Sep 2014
<a href="#">Water Innovation: Boosting its value for Europe (Water-1b, 2b, 5c)</a>	16 Oct 2014 10 Mar 2015
<a href="#">Waste: A Resource to Recycle, Reuse and Recover Raw Materials (Waste-1, 2)</a>	8 Apr, 16 Sep 2014
<a href="#">Waste: A resource to recycle, reuse and recover raw materials (Waste-6a, 6b, 7)</a>	16 Oct 2014 3 Mar 2015
<a href="#">Blue Growth: Unlocking the potential of Seas and Oceans (BG 2015-1, 2, 7)</a>	24 Feb, 11 Jun 2015
<b>Secure societies</b>	
<a href="#">Digital Security: Cybersecurity, Privacy and Trust (DS-1, 2, 6)</a>	13 May 2014
<a href="#">Digital Security: Cybersecurity, Privacy and Trust (DS-3-5)</a>	21 Apr 2015
<a href="#">Border Security and External Security (BES-1, 3, 9, 11, 13, 14)</a>	28 Aug 2014
<a href="#">Disaster-resilience: safeguarding and securing society, including adapting to climate change (DRS-2, 4, 5, 7, 8, 9, 16, 18, 19, 21)</a>	28 Aug 2014
<a href="#">Fight against crime and Terrorism (FCT-5, 7, 8, 10-14)</a>	28 Aug 2014

# 近期活動

## 2014 Road Shows

時間	地點	活動名稱	活動宗旨
3/19 (Wed.)	科技部，台北	H2020計畫徵求說明會	提供最新歐盟科研架構計畫參與及申請說明，包含國內外團隊組成、如何選擇合適之徵求計畫、跨國Tasks and Resources 分配等，相關經驗分享。
3/26 (Wed.)	成大，台南		
5/15 (Thu.)	交大交映樓1F 國際會議廳， 新竹	H2020參與經驗分享座談會	邀請各科研計畫領域申請人共同探討申請過程：包含國內外團隊組成、如何選擇合適之徵求計畫、跨國Tasks and Resources 分配等，相關經驗分享。邀請通過歐盟計畫之申請人發表成案報告、預告下年度Call for Proposals、現場商談與國內團隊媒合諮詢。

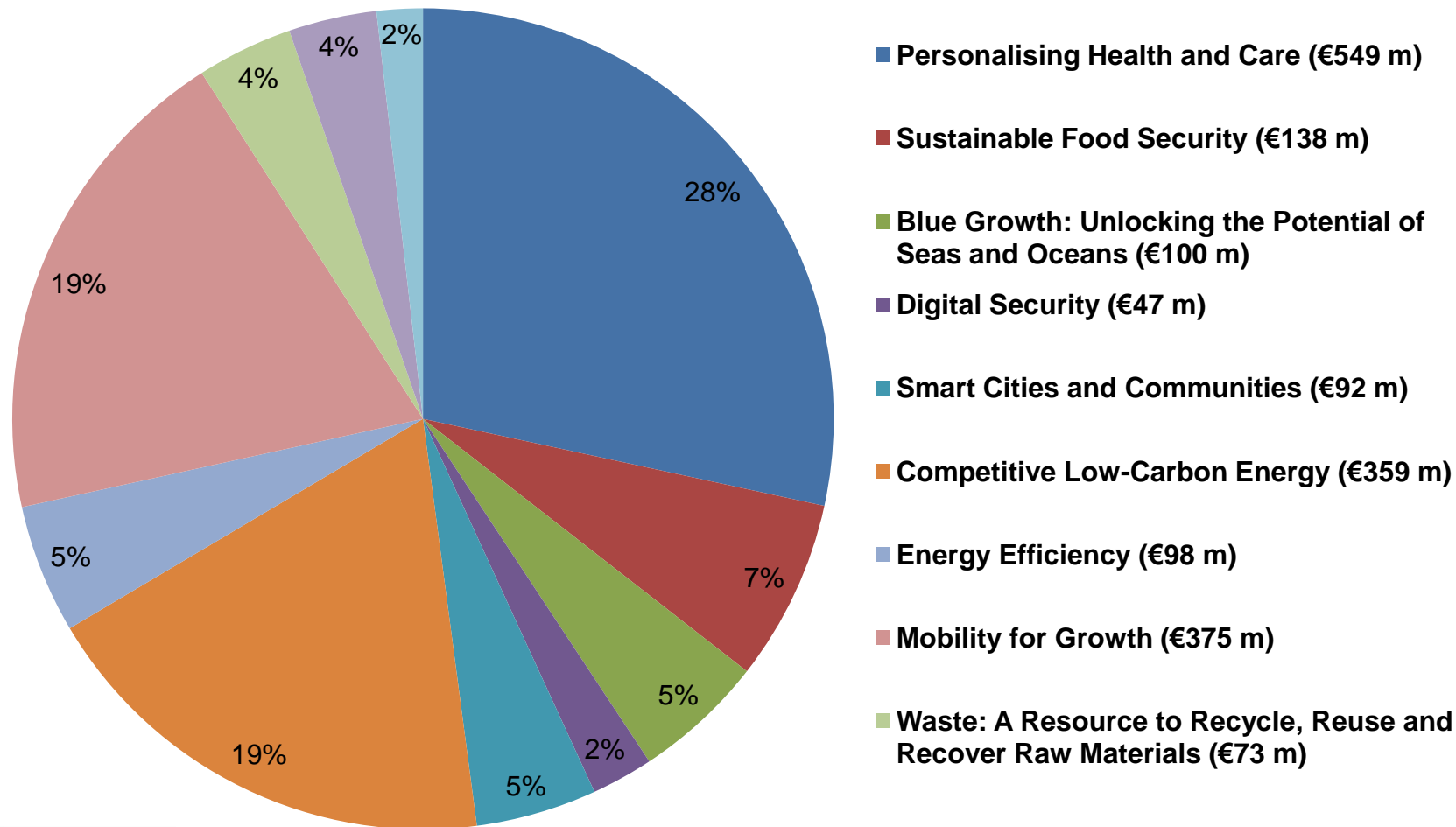


相關附件

# APPENDIX

# 12項重點領域

## The 12 Focus Areas



The 12 focus areas represent around 15% of the total number of calls and for a total 2014 budget of €2 billion

# 如何查詢與使用歐盟資訊平台 CORDIS & H2020 Participant Portal

## EU H2020 網站快速上手指南



- **What is the Participant Portal?**  
(<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>)
- **What services and tools are available on the Participant Portal?**  
(Horizon 2020 Online Manual)
  - **H2020 and FP7 & CIP Calls**
  - **Partner Search Services**
  - **Proposals submission system**
  - **Organization registration (Obtain a PIC or LEAR)**
  - **Services for managing your project and organization data**
  - **Working as an expert**
  - **Horizon 2020 and FP7 Reference Documents**

# Proposal Criteria

## Evaluation Criteria

### Excellence:

- Does the proposal answer to the call?
- Is the proposal based on a solid scientific concept?
- Is it ambitious, innovative, beyond state-of-the-art?

### Impact

- Does it result in the expected impact described in the call?
- Does it enhance the competitiveness of European industry?
- Is there a robust plan for the exploitation of results?

### Implementation

- Is there a coherent and effective work plan?
- Are the risks sufficiently covered? (Plan B?)
- Is this consortium capable of delivering the results?



[http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\\_docs.html#h2020-call\\_ptef-pt](http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-call_ptef-pt)

# 台灣申請歐盟計畫案例 (1/2)

領域	我國參與機構	歐方主持機構	技術主題
環境	工研院	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. (德國)	Life Cycle Assessment Use
	台灣大學	HELMHOLTZ-ZENTRUM FUER UMWELTFORSCHUNG GMBH – UFZ (德國)	Biodiversity
	成功大學	ALMA MATER STUDIORUM-UNIVERSITA DI BOLOGNA (義大利)	Coastal Technology in a Changing Climate
	台灣大學	UNIVERSITEIT UTRECHT (荷蘭)	Air Pollution Effects
	台灣科技大學	UNIVERSITAET STUTTGART (德國)	Indoor Environment in Retrofitted Energy Efficient Buildings
	台灣大學	AMRA - ANALISI E MONITORAGGIO DEL RISCHIO AMBIENTALE SCARL (義大利)	Real Time Earthquake Risk Reduction
	台灣大學	THE UNIVERSITY OF EXETER (英國)	Flood Resilience in Urban Areas
	友達光電	OSTERREICHISCHE GESELLSCHAFT FUER SYSTEM- UND AUTOMATISIERUNGSTECHNIK (奧地利)	Zero Waste in Industrial Networks
	台灣大學	ETHNIKO IDRYMA EREVNON (希臘)	Genomics Biomarkers of Environ
電資通訊	國研院	THE UNIVERSITY OF EDINBURGH (英國)	Marine and Environmental Monitoring
	工研院	TECHNISCHE UNIVERSITEIT EINDHOVEN (荷蘭)	Greener Buildings
	中研院	VERENIGING VOOR CHRISTELIJK HOGER ONDERWIJS WETENSCHAPPELIJK ONDERZOEK EN PATIENTENZORG (荷蘭)	Knowledge Yielding Ontologies
奈米	國衛院	KATHOLIEKE UNIVERSITEIT LEUVEN (比利時)	Hazard Ranking of Engineered Nanoparticles
	台灣科技大學	FUNDACION TECNALIA RESEARCH & INNOVATION (西班牙)	Energy Efficient Air Conditioning Systems with Temperature and Humidity Control
	台灣科技大學	CENTRO DI PROGETTAZIONE, DESIGN & TECNOLOGIE DEI MATERIALI (義大利)	Sustainable, Innovative and Energy-Efficient Concrete

# 台灣申請歐盟計畫案例 (2/2)

領域	我國參與機構	歐方主持機構	技術主題
健康醫療	中央大學	UNIVERSITE D'AIX MARSEILLE (法國)	Small-molecule Inhibitor Leads vs. Emerging and Neglected RNA Viruses
	衛生署疾病管制局	LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (英國)	Health System Analysis for Pandemic Influenza
安全	Telcordia台灣研發中心	EXODUS A.E. (希臘)	Development of the First Responder of the Future
人文社會	中山大學	DEUTSCHES ZENTRUM FUER LUFT -UND RAUMFAHRT EV (德國)	Trans-national Co-operation among National Contact Points
	東海大學	UNIVERSITE DE FRANCHE-COMTE (France)	Coordination Action of the European Network of Territorial Intelligence
交通	中山大學	CONSORCIO PARA EL DISENO, CONSTRUCCION, EQUIPAMIENTO Y EXPLOTACION DE LA PLATAFORMA OCEANICA DE CANARIAS (西班牙)	Modular Multi-use Deep Water Off shore Platform
其他	清華大學	RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAET BONN (德國)	Research Ethics Committees' Network
	政治大學	CENTRE FOR SCIENCE, SOCIETY AND CITIZENSHIP (義大利)	International Awareness of Biometrics and Security Ethics
	中研院	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (瑞士)	European Middleware Initiative
	中研院	STICHTING EUROPEAN GRID INITIATIVE (荷蘭)	Integrated Sustainable Pan-European Infrastructure for Researchers
	中研院	MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATO INTEZET (匈牙利)	Desktop Grids for International Scientific Collaboration
	中研院	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (瑞士)	Grids for e-Science
	中研院	ISTITUTO NAZIONALE DI FISICA NUCLEARE (義大利)	e-Science Infrastructure for the European and Asian grids



科技龍

**NAR Labs** 國家實驗研究院  
National Applied Research Laboratories

**NAR Labs** 國家實驗研究院  
National Applied Research Laboratories

國家高速網路與計算中心  
National Center for High-performance Computing

# Thank you.

EU National Contact Point, Taiwan

歐盟科研架構國家聯絡據點

Website: [www.ncp.tw](http://www.ncp.tw)

Tel: 03-5776085