SENET-HUB
SINO-EUROPEAN HEALTH NETWORKING HUB

# INTERNATIONAL COOPERATION OPPORTUNITIES: HORIZON EUROPE 2021-2027

**Hicham Abghay (Steinbeis 2i GmbH)**

13.01.2021

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825904.*

# Agenda

- Welcome SENET + short overview
  *Hicham Abghay, Steinbeis 2i GmbH*
- Welcome ENRICH + short overview

  *Johnny Pan, Sociedade Portuguesa de Inovacao - SPI*

- Horizon Europe (Overview, Rules to participate, Application Process)
  *Charlotte Schlicke, Steinbeis 2i GmbH*
- SENET Support to applicants from EU and China

  *Hicham Abghay, Steinbeis 2i GmbH*

# Project Identity: SENET

**Funding:** EU Research & Innovation Programme **Horizon 2020**

**Runtime:** 01/2019 - 06/2021

**Consortium:** Five in Europe & Four partners from China

# SENET Major Objectives

## Overall objectives

SENET aims to

- **increase collaborative efforts** addressing common health research and innovation challenges.
- **create a sustainable health networking and knowledge hub**, which facilitates favourable conditions for a dialogue between Chinese and EU research and innovation entities.

## Specific objectives

SENET aims to

- **identify health challenges of common interest** between the EU and China
- **develop a sustainable health networking hub** between the EU and China
- **implement collaborative health research initiatives** between the EU and China

# SENET Main Activities

**Create a collaboration environment with mutual interest to tackle common health challenges**

- Panorama of Health Research Priorities in China & Europe: "*Scoping paper: Review on health research and innovation priorities EU & China*"
- Catalogue of Health Research and Innovation Initiatives and Actors: "*Map of major funding agencies and stakeholders in EU & China*"
- "Guide for health researchers from Europe and China through the funding landscape"

*See our public reports under: https://www.senet-hub.eu/public-report/*

- Series of Stakeholder Engagement Workshops:→ Call for experts **OPEN**!
- Define future health priorities with us HERE!!

# Recommendations for EU-China health research and innovation cooperation

- Overview of the health priorities in the EU and China
  - Reinforcing the prevention and control of major and **infectious diseases**;
  - Strengthening the management of **environmental problems affecting health**;
  - Promoting the development of **sustainable healthcare systems**;
  - Cooperating on **standardisation** and research ethics;
  - Improving the health funding mechanisms in China.

# SENET Partnering Opportunities

## Increase transnational collaboration and capacity building

*Power Partnering events:*

- Global Alliance for Chronic Diseases – Prevention and/or early diagnosis of cancer
- Towards the new generation of clinical trials – trials methodology research
- New approaches for clinical management and prevention of resistant bacterial infections in high prevalence settings
- Advancing the safety assessment of chemicals without the use of animal testing
- AI for Genomics and Personalised Medicine

Calls Closed ☹

# SENET Virtual Hackathons

## Increase transnational collaboration and capacity building

*Virtual Ideation Hackathons (2020-2021):*

- AI for Health Imaging in cancer research
- AI applications for health management notably chronic diseases
- Simulation technologies and animal free testing for rare diseases/precision medicine
- Biological scaffolds for tissue regeneration and repair
- Environmental effects on health and wellbeing
- Novel technologies for next generation vaccines

SENET-HUB
SINO-EUROPEAN HEALTH NETWORKING HUB

ENRICH
EUROPEAN NETWORK OF RESEARCH AND INNOVATION CENTRES AND HUBS, CHINA

# INTERNATIONAL COOPERATION OPPORTUNITIES: HORIZON EUROPE 2021-2027

## PART III

**Charlotte Schlicke (Steinbeis 2i GmbH)**

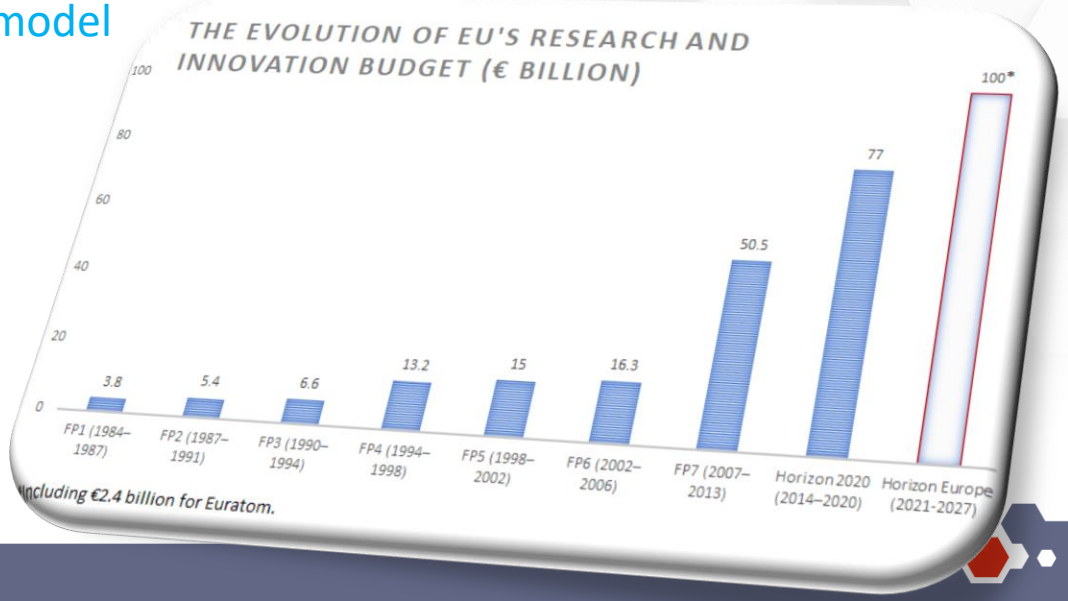
Webinar SENET 13.01.2021

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825904.*

# Horizon EUROPE | Overview

is the Commission proposal for an initial **€ 100 billion** research and innovation funding programme for seven years (2021-2027)

- to strengthen the EU's scientific and technological bases
- to boost Europe's innovation capacity, competitiveness and jobs
- to deliver on citizens' priorities and sustain our socio-economic model and values



# Horizon EUROPE | investing in R&I to shape our future

- The vision:

  " a Europe that protects,
  a Europe that empowers,
  a Europe that defends"
  *Jean-Claude Juncker*

- Tackling climate change

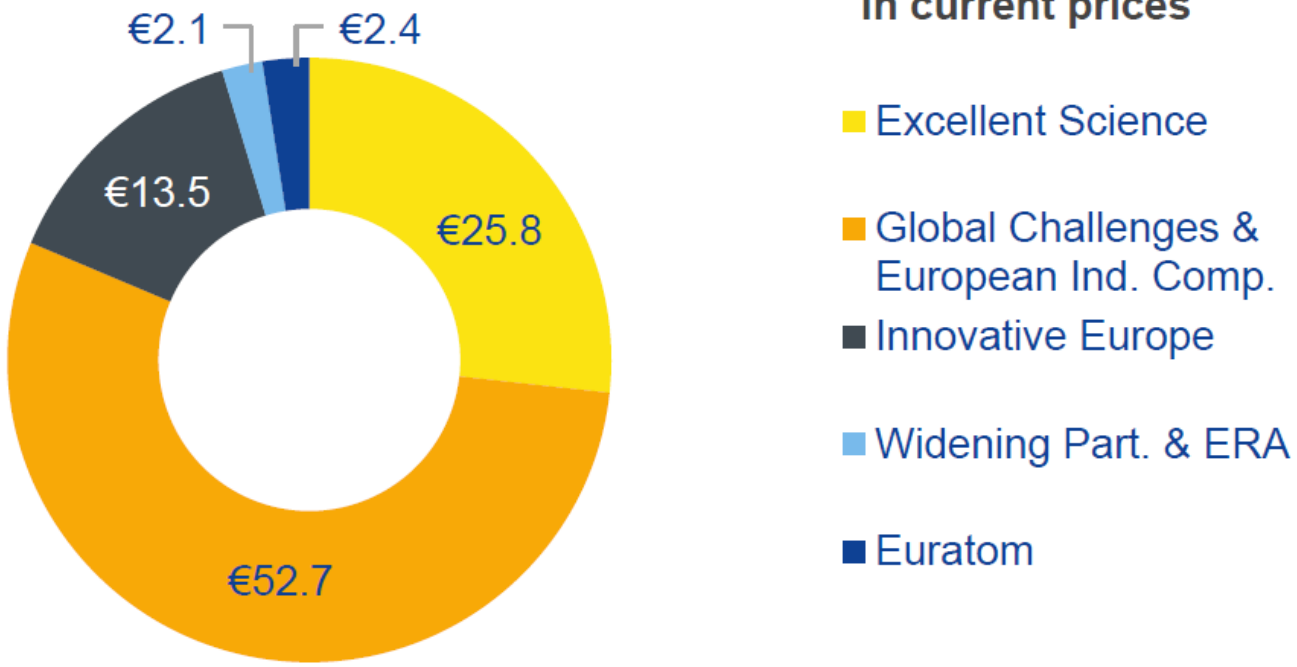
- Helping to achieve Sustainable Development Goals & Green Deal

- Boosting the Union's competitiveness sustainability and resilience

Credits: https://www.un.org/sustainabledevelopment/sustainable-development-goals/

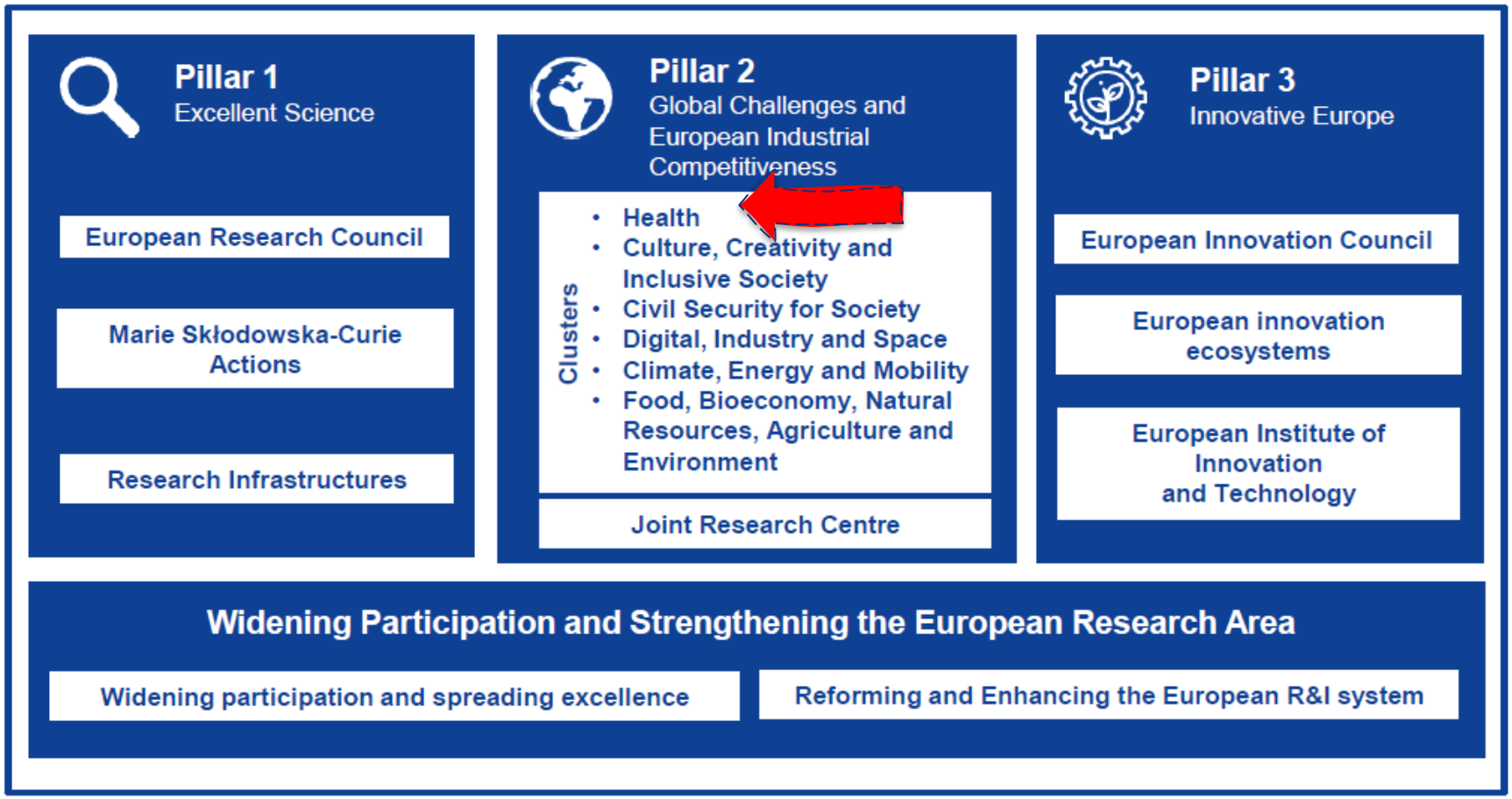
# Horizon EUROPE | Overview

## Commission proposal for budget: €100 billion* (2021-2027)




* This envelope includes EUR 3.5 billion allocated under the InvestEUFund.

# Horizon EUROPE | Overview



# Horizon EUROPE | Overview

Structure of Pillar 2

Work programmes for single clusters (e.g. health)
*> bi-annually documents, updates possible*

- Including destinations
- Including calls and call topics

  Structure of call topics
  *(Title, action type, expected outcomes, scope, budget range, special options…)*

Contents

**Introduction** .....

**Destination 1 – Staying healthy in a rapidly changing society** .....

**Call 1.1 – Staying healthy (2021)** .....

**Topic 1.1 Prevention of obesity through the life course** .....

**Topic 1.2 Towards a molecular and neurological understanding of m**
**illness for the benefit of citizens and patients** .....

**Call 3.1 – Tackling diseases (2021)**

**Topic 3.1 Comparative effectiveness research for healthcare interventions in areas of high public health need**

**Year of the topic: 2021**

**Action type: RIA**

**Expected outcomes:**

- Identification of healthcare interventions (non-pharmacological and pharmacological), including preventive actions, that work best from the point of view of safety, efficacy, patient outcomes, quality of life, accessibility, added value, and cost-effectiveness;

# Horizon EUROPE | Overview

## Major funding instruments / actions for topic related calls:

- **RIA – Research and Innovation Action**
  - Actions work on basic research and development (new knowledge, real data, feasibility of new solutions)
  - Funding up to 100 % of direct costs
- **IA – Innovation Action**
  - Actions are aimed at the development of a product/process & services. For this, prototypes, demonstration actions and pilots are designed, the product is tested and brought to market
  - Funding up to 70 % of direct costs for „for-profit“ organisations, up to 100% for non-profit organisations (RTD, public)
- **CSA – Coordination and Support Action**
  - Actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, … in different countries.
  - Funding up to 100 % of direct costs

# Horizon EUROPE | Overview

## Major funding instruments / actions for open topic calls:

- **Marie Curie Actions**
  - Equipping researchers with new knowledge and skills through mobility and training
  - Funding via country specific lump sums

## Further instruments:

- Innovation and market deployment actions (IMDA)
- Pre-commercial procurement (PCP)
- Public procurement of innovation solutions actions (PPI)

# Horizon EUROPE | Rules to participate

- **3 out of 3 rule:** 3 independent organisations from 3 different countries (EU Member states, Horizon Europe associated states) (new: min. 1 EU Member state to be involved)
- Participation of **Non-EU countries**: possible
- **Funding of Non-EU countries**: only for specific countries (low-middle income countries),
  *China: funding only by Chinese MOST agency if mentioned in the call (which means bilateral contract existis for the specific call topic)*
- **Participants:** legal persons, RTD, industry, SME, non-profit, public organisations, international European research organisations

# Horizon EUROPE | Application Process

Proposal submission:

- **Full-stage proposal :** The complete proposal will be submitted with the whole set of requested topics of the call text.

- **Two-Stage proposal:** A short proposal (max.10 pages) will be submitted in a first stage including limited chapters and details. After a positive evaluation the invitation for a full stage proposal is needed to continue.

- **Calls are  topic related** or **some are Bottom up = no specific topics**

# Horizon EUROPE | Application Process

- Deadline: Date xy; Time: 17:00 CET/CEST (Brussels Time)
- Online Submission of applications (paperless) on Funding & tenders portal

Neccessary:

- Registration on Portal: PIC number (declared for submission, validated for running projects)

Coordinator enters the consortium partners to the launched online proposal (PIC number and contacts at organisation)

Proposal is uploaded as pdf and submitted to EC within deadline.

Max 5 months after deadline: evaluation ended
> decision: in case of success: start of grant agreement prepration phase (max 3 months)

# Horizon EUROPE | Application Process

- Template for technical part of proposal to follow (not yet available)

- Horizon 2020 template example for orientation:

  *<u>Categories to be evaluated:</u>*

  *Chapter 1: Excellence (Objectives, Concept and Methodology, Ambition)*

  *Chapter 2: Impact (Expected impact, Measures to maximise impact)*

  *Chapter 3: Implementation (WP descriptions)*

  *--*

  *Chapter 4: Partner (Partner descriptions, Third parties involved)*

  *Chapter 5: Ethics and Security*

# Horizon Europe

- First calls expected April 2021

- Further webinars planned to present selected published calls on Health and on how to join a consortium

# SENET Support to applicants from EU and China

SENET-HUB
中欧医疗健康网络中心

# Questions?

SENET-HUB
中欧医疗健康网络中心

# Stay in contact with us!

SENET website:
→ Check Web-Series Calendar : *https://www.senet-hub.eu/*

SENET newsletter – subscribe to it!

SENET Social media - follow us on and

Contact us: SENETHub@steinbeis-europa.de