

- Safe & Sustainable by Design (SSbD) packaging and single use device solutions for healthcare products

IHI call 4 – topic 5

# Important disclaimer

Please be aware that the call topics are still under consultation with the States' Representatives Group and the Science and Innovation Panel (IHI advisory bodies).

All information regarding future IHI call topics is indicative and subject to change until call launch.

You will find the final authorised version of the topic text on the Funding and Tenders Portal at call launch.

# Before we start...

- We are recording this session and it will be published on the IHI website and B2Match platform.
- We will also publish the presentation slides.

# Today's session

- **Will cover:**
  - Introduction to IHI programme
  - IHI Call 4 Topic 5 presented by lead industry pre-identified consortium
  - Information on proposal submission & evaluation
  - Tips for writing a successful proposal
- **Will not cover** rules and procedures
  - The webinar on rules and procedures will be made available on the IHI website.

# Innovative Health Initiative

EU's new **partnership in health** between:

- the **European Union** represented by the European Commission &
- **Healthcare industry associations:**
  - **COCIR** (medical imaging, radiotherapy, health ICT and electromedical industries)
  - **EFPIA**, including **Vaccines Europe** (pharmaceutical and vaccine industries)
  - **EuropaBio** (biotechnology industry)
  - **MedTech Europe** (medical technology industry)

# IHI's general objectives

- Turn health research and innovation into **real benefits for patients and society**
- Deliver safe, effective health innovations that **cover the entire spectrum of care** – from prevention to diagnosis and treatment – particularly in areas where there is an unmet public health need
- Make Europe's health industries globally **competitive**.

# Strategic Research & Innovation Agenda

## Focus

- **Cross-sectoral approaches** to facilitate creation of new products and services to **prevent, intercept, diagnose, treat and manage diseases** and foster recovery more efficiently.

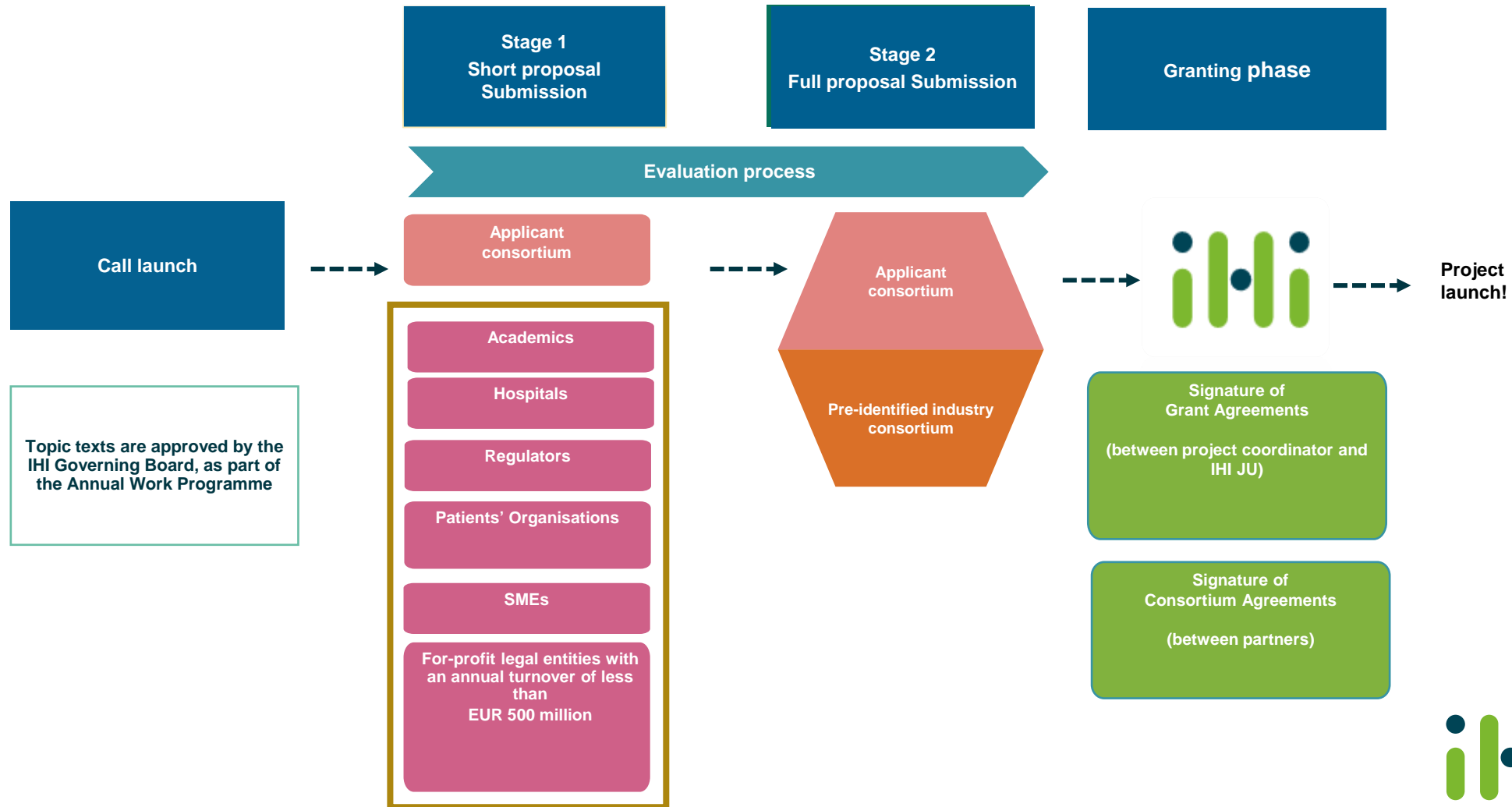
## Goal

- Lay foundations for development of **safer and more effective health care products or solutions** that respond to **unmet public health needs** and that can be implemented into healthcare systems.


Research supported by IHI should remain at precompetitive level

<https://www.ihl.europa.eu/about-ihl/research-and-innovation-agenda>

# Two –stage calls – How does it work?







- Safe & Sustainable by Design (SSbD) packaging and single use device solutions for healthcare products

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# The challenge

- To **strengthen and make more competitive** the European healthcare industry by positioning it at the forefront of the development of medical technologies, products, and services of the future, those that **generate less waste, require less waste treatment, have reduced carbon footprints, increased circularity** and other approaches that **reduce the environmental impact of healthcare.**
- To **align with the Paris Agreement on climate change & the European Green Deal objectives** for healthcare systems (carbon footprint to be reduced by 55% by 2030, NetZero by 2050)

# Need for public-private, cross-sector collaboration

- To fully develop and foster the adoption of recyclable packaging and device recycling solutions to drive a circular economy for healthcare products, it is essential that different industry sectors & public partners come together and exchange knowledge and best practices to find optimal solutions.

- Public partners to consider:

**Healthcare providers**, as key stakeholders as end users of healthcare products

**Circular economy specialists**, notably for life cycle assessment (LCA),

**European not-for-profit associations** for: packaging, single use plastics and waste recycling

**Standardisation bodies**

...

Note: Such institutions and all partners of the project are committed to working with European policy makers to support evidence-based policy making.

# Scope of the topic

- **Accelerate** the implementation of **alternative eco-packaging and single-use device materials through collaborative work by including policy makers, regulators, and standards bodies.**
- To identify, characterize, and test new replacement materials according to specifications and in compliance with existing standards.

# Expected outcomes

- Paradigm shifts in standard materials to **shape products of the future**
- Development of new and effective technologies, products and innovations that **generate minimal waste from packaging and enable the recycling** of used devices by **applying the principles of the Safe & Sustainable by Design (SSbD) framework**
- **Alignment with the European Packaging and Packaging Waste and Ecodesign of Sustainable Products Directive Proposals.**
- Innovations, **easily accessible to healthcare providers**
- Environmentally friendly packaging and device materials **designed from sustainable raw components and manufacturing processes with minimal carbon footprint.**
- Selective **sorting procedures, implementable by healthcare providers.**
- The creation of **short circuits for recycling** packaging and device waste from healthcare providers locations.

Note:

Healthcare systems more widely adopt a lifecycle assessment approach, enabling healthcare to become a more sustainable industry with closer and more circular recycling loops for packaging as well as single use devices, including those which may have been contaminated (i.e. infectious waste)

# Expected impact

- to promote the development of new health products by integrating the principles of the **Safe & Sustainable by Design** (SSbD) framework, from the earliest design stages, and notably **for packaging and single use device design** including the end-of-life of a product

## Note:

Propose new solutions that are holistic in nature, and which do not create additional adverse ESG (Environment, Social & Governance) issues, environmental or otherwise.

New solutions should facilitate circularity even if the end points are not a closed loop back into the healthcare sector and instead are used for other applications.

# Expected contributions of the applicants

- Beyond Grant administration & Project management:
  - **European landscape assessment of waste management** of medical packaging and single use device inc. materials (chemicals, polymers), sorting & recycling perspectives
  - **Healthcare Providers** (HCPs): a) current **assessment of waste management practices / audits**, b) **running pilot studies** from use cases of industry partners
  - To work in partnership with healthtech industry partners on **the acceptability, applicability and implementation of regulations** on safe and sustainable packaging and single use devices
  - To provide data and insight on **trends of eco-design and waste management of healthtech products**, but also of products from other industries when possibly benefiting the healthtech industries.
  - To assist the **physical, chemical characterization** and to evaluate the **biocompatibility** of alternative sustainable solutions
  - To run **Life Cycle Assessment (LCA)** and evaluate **environmental impact** of (more) sustainable solutions vs current situation
  - To consider the question of **certification or green claims** of the materials used for the packaging and device solutions and also of the packaging and device solutions themselves

# Expected (in-kind) contributions of the industry consortium

- Beyond Grant administration & Project management:
  - **Packaging & single-use pharmaceutical and medical device use cases**
    - i) **design and develop** safe & sustainable packaging & single use device solutions and to **apply the Safe & Sustainable by Design (SSbD) framework. If successful, solutions to be industrialized**
    - ii) New and innovative sustainable solutions shall be still acceptable and adoptable by end-users (e.g. patients, nurses / caregivers, HCPs, etc.), or even better compared to existing solutions
    - iii) To compare the performance of the sustainable packaging & device solutions with existing solutions. It is essential that the sustainable packaging and device solutions **do not compromise the safety and the performance of the medical products.**
  - **Recycling**
    - i) From waste management audits of HCPs & European assessment of waste management of medical packaging & single use devices, the industry and the public consortia will work together to **make recommendations to improve the sorting and recycling of packaging and single-use devices.**



# Budget


## Indicative Budget: up to EUR 16 600 000

- Maximum financial contribution from IHI is up to EUR 8 300 000
- Indicative in-kind and financial contribution from industry partners is up to EUR 8 300 0000

NB: the above amounts are indicative and subject to change, pending approval by the IHI Governing Board.

# Duration

- Indicative duration: **48 months.**
- Note: At stage 2, the consortium selected at stage 1 and the predefined industry consortium may jointly agree on a different duration when submitting the full proposal.



# Proposal Submission & Evaluation

# Proposal Template - Parts A, B & Annexes

- **Part A** of the proposal is **administrative data** that is entered in webforms through the Funding & Tenders Portal.
- **Part B** of the proposal is the **narrative part** that includes three sections:
  - Excellence
  - Impact
  - Quality and efficiency of the implementation
- **Read instructions** in proposal template **very carefully**
- **Annex:**
  - Participant type

# Evaluation Criteria (1/2)

- **Excellence**

- Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state of the art.
- Soundness of the proposed methodology

- **Impact**

- Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions due to the project.

# Evaluation Criteria (2/2)

- **Quality and efficiency of the implementation**
  - Quality and effectiveness of the outline of the work plan
  - Capacity of each participant, and extent to which the consortium as a whole brings together the necessary expertise.



- Tips for applicants

# Tips for applicants

- Read all the call-relevant material, especially the **topic text**
  - [www.ihl.europa.eu/apply-funding/open-calls](http://www.ihl.europa.eu/apply-funding/open-calls)
- Form your consortium **early**
  - Always think “public-private partnership”
- Ensure that **all information requested in the call text and proposal template** is provided to allow the evaluation experts to easily assess your proposal against the evaluation criteria
- Consider & plan for the potential **regulatory impact** of results



# Finding project partners

**You'll need to build or join a consortium!**

- Network with **your contacts & IHI Call Days participants:**
  - <https://ihi-call-days.ihi.b2match.io/>
  - Use EU Funding & Tenders portal **partner search tool:**
    - <https://europa.eu/!QU87Nx>
- Get in touch with your **IHI national contact point:**
  - <https://europa.eu/!D7jyMy>
- Network on social media:
  - [www.twitter.com/IHIEurope](http://www.twitter.com/IHIEurope)
  - [be.linkedin.com/company/innovative-health-initiative](http://be.linkedin.com/company/innovative-health-initiative)

[www.ihi.europa.eu/apply-funding/find-partners](http://www.ihi.europa.eu/apply-funding/find-partners)



# How to book your meetings via the B2Match platform

Book your meetings in **4** easy steps

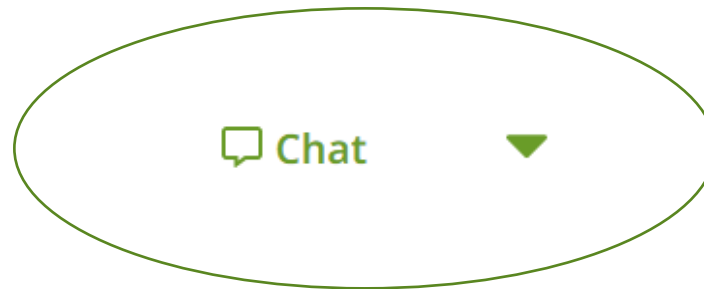
1. Make yourself available
2. Look for partner on the participants or organisation tab
3. Select date, time, attendees (up to eight per meeting), add message
4. Send the meeting request and wait for the reply

Step by Step guide on how to book meetings: <https://europa.eu/!FkjV9n>



# Questions time

If you want to ask a question please use the chat function on the right corner of your screen



# #IHICallDays

## Call 4



## Online event

19 June

16:00-17:30 IHI rules & procedures

20 June

10:00-11:00 Expanding translational knowledge in minipigs

20 June

14:00-15:00 Patient-centric blood sample collection

21 June

10:00-11:00 Inclusive clinical studies

21 June

15:30-16:30 Improving trials for rare diseases

22 June

14:00-15:00 Safe & sustainable by design packaging & devices

22 June

16:00-17:00 Sustainable circular development and manufacture

[Register now](#)



# #IHICallDays

## Call 5



26 June

15:00-16:30 IHI rules & procedures

27 June

10:00-12:10 Non-animal approaches for health technologies

27 June

14:00-16:10 Theranostics solutions

28 June

14:00-16:10 Stroke management

29 June

10:00-12:10 Synthetic data generation

29 June

14:00-15:30 The financial part of the proposal

**Online event**

**Register now**





Thank you for your attention

[ihi.europa.eu](http://ihi.europa.eu)

