



# WELCOME! An introduction to Horizon Europe - Energy

## Housekeeping

- To avoid background noise all participants will be muted.
- After testing your speakers, please do remember to connect your audio by using the “Join Audio” icon at the bottom left of the screen or dial in via phone using the number provided in the joining instructions.
- If you have any technical problems, please use the chat to seek advice from the host (Jess Dobbyne).
- Questions and Answers - Please use the Q&A function.
- Please use the chat function to introduce yourself, please note due to GDPR we cannot share the chat. Capture what you need.

**PLEASE NOTE – THE WEBINAR IS BEING RECORDED**



**InnovateUK**  
**KTN**



## AGENDA

- 1) Welcome & Housekeeping: **Viola Hay** | Innovate UK KTN
- 2) Introduction: **Conall McGinley** | Innovate UK
- 3) Introduction to Destinations 3 & 4 (mention upcoming Work Programme). Guarantee and recently launched IFS system: **Conall McGinley** | Innovate UK
- 4) Overview of Built4People: **Alain Zarli**, ECTP – Secretary General
- 5) Call to action – The support available to potential applicants (NCPs, KTN, Innovate UK Edge):  
**Conall McGinley** Innovate UK & **Viola Hay** | Innovate UK KTN
- 6) Q&A
- 7) Close



# The Innovate UK Group

Innovate UK, KTN & EDGE





## About Us

The Innovate UK group is an ecosystem of expertise, funding, and powerful connections driving value through innovation.

By empowering businesses to grow, supporting the best ideas and helping innovators access opportunities, the group is building a better, more resilient future for the UK economy and society.

Innovate UK, KTN and EDGE - accelerating your innovation journey.







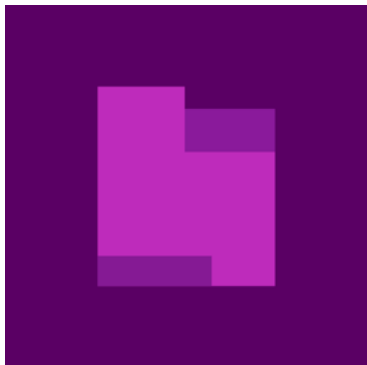
## Our Purpose

To inspire, involve and invest in innovation to develop and realise the potential of new ideas.



InnovateUK  
KTN

# Innovate UK Group



## Innovate UK

Innovate UK is the UK's innovation agency: a non-departmental public body operating at arm's length from the Government as part of UKRI.



## Innovate UK KTN

Innovate UK KTN exists to connect innovators with new partners and new opportunities beyond their existing thinking - accelerating ambitious ideas into real-world solutions.

230+ staff



## Innovate UK EDGE

Innovate UK EDGE empowers innovation-driven businesses to grow at pace and achieve their industry- and society-transforming ambitions.



# Innovate UK KTN - Our Network



**46,229**  
Unique  
Organisations



**72%**  
Small

**15%**  
Medium

**13%**  
Large



**234,478**  
innovators



Every university in  
the UK

## Innovate UK KTN Outputs

**66%**

introduced by  
KTN go on to  
**collaborate**

**42%**

reach  
outcomes  
**faster**  
(1-2 years)

**60%**

increased  
**investment** in  
R&D direct  
result from  
KTN  
engagement

**£100m**

per year  
increased  
**investment** in  
R&D



**Innovate UK**  
KTN



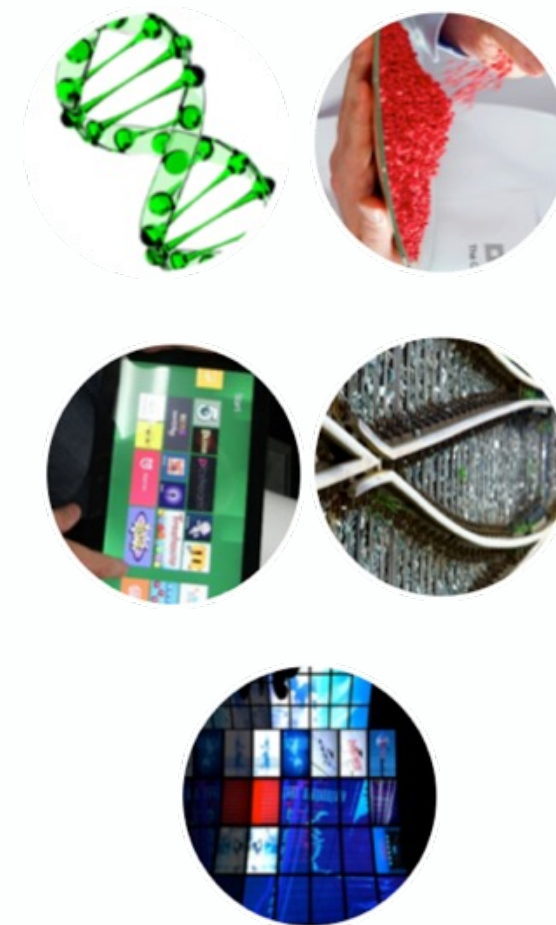
# Support for European Programmes

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We support UK organisations in engaging with Europe, specifically Horizon Europe, and influencing future funding priorities by:

- Organising consortium building activities / events in selected topics
- Offering travel support to attend EU brokerage events
- Providing sector specific advice
- Providing advice on market opportunities and project impact
- Offering proposal reviews
- Engaging with European Partnerships and European Technology Platforms (e.g. Photonics21, SusChem)
- Advice on the implications of being part of a European collaborative project – we do it!

***We work closely with the National Contact Points, Innovate UK Edge and the FCDO / Science Innovation Network.***



# Support for European Programmes

## KTN track record in EU Projects:

- FP7, H2020, ERDF, Life+, Horizon Europe

## Contact me:



**Viola Hay**  
*European Programmes Manager*  
[Viola.hay@ktn-uk.org](mailto:Viola.hay@ktn-uk.org)

**Areas:** Infrastructure (Mobility / Energy), Digital, Space, Security



Horizon Europe: Design OH AMR (CSA project) – started May 2022







UK Research  
and Innovation

# An Introduction to Horizon Europe - Energy

Conall McGinley

*Horizon Europe UK National Contact Point for Energy*

[conall.mcginley@iuk.ukri.org](mailto:conall.mcginley@iuk.ukri.org)



HORIZON EUROPE

THE NEXT EU RESEARCH & INNOVATION  
PROGRAMME (2021 – 2027)

# What does a National Contact Point do?

Team of sector specific advisors to support UK entities to successfully participate in EU Framework Programmes and to shape the direction of EU research agenda.



**Assisting, advising and training** – to improve the quality of Horizon Europe proposals with UK content to increase success rate



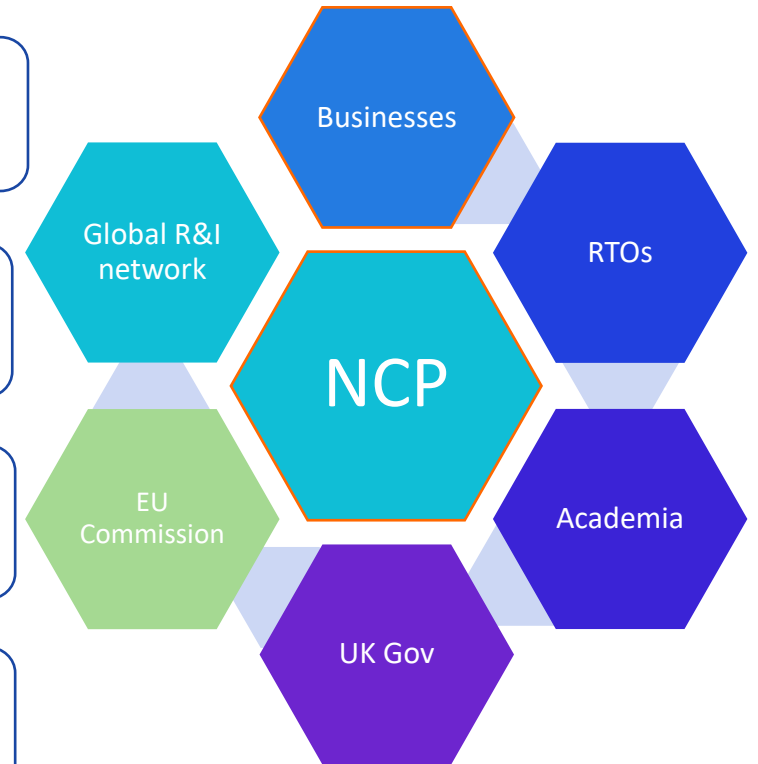
**Informing, awareness raising** – on all aspects of Horizon Europe rules, processes and participation



**Thought Leadership** – working with UK Government, sector stakeholders and Commission to shape future direction of R&I



**Signposting and cooperation** – direct to relevant support and work with each other to support consortium development





# What is Horizon Europe?



# Latest on Association to Horizon Europe

- UK organisations **are** eligible to coordinate proposals
- UK organisations **are** classed as one of the minimum three different legal entities from three different eligible countries as long as at least one consortium member is also from a Member State for proposal eligibility
- UK organisations **are** fully eligible to apply for funding from the EU



*Your cat seems to have thought  
outside the box Mr Schrödinger*

# However, if the UK's association to Horizon Europe has not completed by the time the consortium reaches Grant Agreement signature phase:

- UK organisations **cannot** coordinate projects
- UK organisations **are not** classed as one of the minimum three different legal entities from three different eligible countries as long as at least one consortium member is also from a Member State for project eligibility
- UK organisations are **not** eligible to receive funding from the EU



# What this means in practice:

- UK organisations should continue to apply for Horizon Europe as potential beneficiaries as stated in the General Annexes (i.e. NOT as associated partners)
- **If** the UK's association to Horizon Europe has not completed by the time the consortium reaches Grant Agreement signature phase, **then** the UK organisation changes status within the consortium to that of associated partner
- The UK government then funds the UK participant:
  - UK R&D Roadmap (page 43) “It is our ambition to fully associate to both programmes [Horizon Europe and Euratom R&D] During any gap, we would provide funding to UK partners who are successful in bidding to programmes open to **third country participation**”

# Benefits of Horizon Europe to your organisation

- Solve global grand challenges through collaborative R&I
- Collaborate with world leading organisations to learn from the best
- Access cutting edge technologies, infrastructure, talent & markets
- Contribute to the dialogue on standards, regulations and research policies
- Ensure that UK technology development aligns with global market place
- Collaborative partners frequently become buyers
- **Creating UK jobs, growth and stronger supply chains**



# Case Study - HySeas III

HySeas III will develop the world's first, sea-going, hydrogen fuelled, vehicle and passenger ferry using hydrogen produced from local renewable energy sources in and around the Scottish Isles. Coordinated by ***the University of St Andrews***, the team includes:

- Vessel design and development: ***Caledonian Maritime Assets Limited (UK)***
- Fuel cell power systems: Ballard Power Systems Europe A/S (Denmark)
- Vessel Systems Integrator: Kongsberg Maritime AS (Norway)
- Fuelling Infrastructure: McPhy Energy SA (France)
- Vessel and ports owner/operator: ***Orkney Island Council (UK)***
- Lifecycle and socio-economic analysis: DLR (Germany)





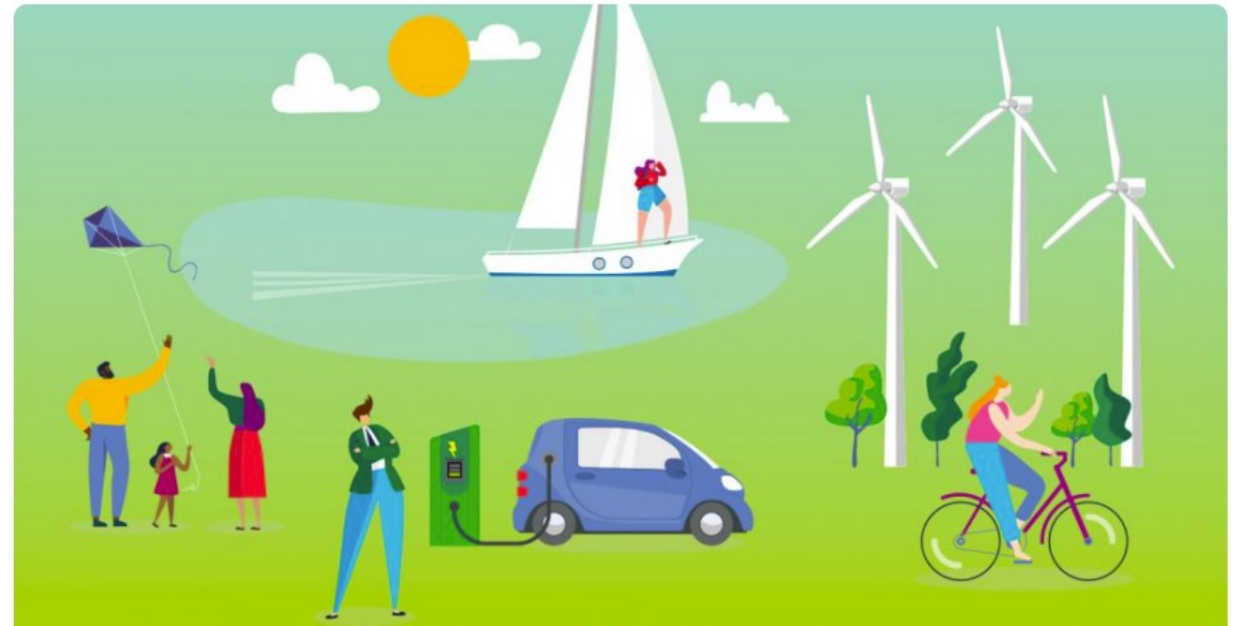
## Case Study – FORWARD2030

- Orbital Marine Power (Orbital) will lead consortium to deliver €26.7m project to set up to accelerate commercial deployment of floating tidal energy
- System will combine predictable floating tidal energy, wind generation, grid export, battery storage and green hydrogen production
- The project will see the installation of the next iteration of the Orbital turbine, integrated with a hydrogen production facility and battery storage at the European Marine Energy Centre (EMEC) in Orkney



# Cluster 5: Climate, Energy and Mobility

- Addresses issues relevant to the twin green and digital transitions and the post-COVID 19 recovery
- Focussing on the transformation of our economy, industry and society with a view to achieving climate neutrality in Europe by 2050



# Cluster 5: Calls for Proposals

Destinations 1&2

## Climate and cross-cutting

1. Climate Sciences and responses
2. A competitive and sustainable European battery value chain
2. Emerging breakthrough technologies and climate solutions
2. Citizens and stakeholder engagement
2. Communities and cities

€501m – 2021/22

**NCP Climate:**

[Nicolas.Wallet@iuk.ukri.org](mailto:Nicolas.Wallet@iuk.ukri.org)

Destinations 3&4

## Energy

3. Global leadership in renewable energy
3. Energy systems, grids and storage
3. Carbon capture, utilisation and storage (CCUS)
3. Cross-cutting issues
4. Highly energy-efficient and climate neutral EU building stock
4. Industrial facilities in the energy transition

€1.4bn – 2021/22

**NCP Energy:**

[Conall.McGinley@iuk.ukri.org](mailto:Conall.McGinley@iuk.ukri.org)

Destinations 5&6

## Mobility

5. Zero Emission Road Transport (2ZERO)
5. Aviation
5. Enabling low-carbon, clean, smart, and competitive waterborne transport (ZEWT)
5. Impact of transport on environment and human health
6. Connected, cooperative and automated mobility (CCAM)
6. Multimodal and sustainable transport systems for passengers and goods
6. Safety and resilience – per mode and across all transport modes

€870m – 2021/22

**NCP Mobility:**

[Louise.Mothersole@iuk.ukri.org](mailto:Louise.Mothersole@iuk.ukri.org)



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# Destination 3: Sustainable, secure and competitive energy supply

More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions

- Global leadership in renewable energy
- Energy systems, grids and storage
- Carbon capture, utilisation and storage (CCUS)
- Cross-cutting issues

17 live calls

# Destination 4: Efficient, sustainable and inclusive energy use

Efficient and sustainable use of energy, accessible for all is ensured through a clean energy system and a just transition

- Highly energy-efficient and climate neutral EU building stock
- Industrial facilities in energy transition

10 live calls

# Clean Hydrogen Partnership

- The Clean Hydrogen Partnership is a unique public private partnership supporting research and innovation (R&I) activities in hydrogen technologies in Europe.
- EU will provide €1 billion euro for the period 2021-2027, complemented by at least an equivalent amount of private investment (from private members of the partnership), raising the total budget to above €2 billion euro
- 14 live calls





# Built4People Partnership

- Brings together whole value chain to accelerate people-centric innovation in the built environment that drives the transition towards a sustainable society and economy
- The three General Objectives are:
  - Scientific (generate holistic innovation towards sustainability)
  - Economic (revitalise the sector through decarbonisation and sustainability transition)
  - Societal (induce lasting behavioural change towards sustainable living).
- 5 live calls

# Batteries Partnership

- BATT4EU is a Co-programmed Partnership established under Horizon Europe.
- Public-private Partnership between European Commission and BEPA
- Vision to establish Europe as the best innovation ecosystems in the world to boost a competitive, sustainable and circular European battery value chain and to drive the transformation towards a carbon-neutral society
- 9 upcoming calls



# Upcoming Calls

## **Demand response in energy-efficient residential buildings**

**Deadline:** 06-Sep-22

**Expected grant value:** E4-6m

### **Scope:**

Proposals should

- Investigate innovative demand response solutions for the residential sector, including new control modes and asset optimisation techniques involving as many devices as possible.
- Ensure that the proposed solutions comply with the principle of privacy by design and with best practices on data protection.
- Ensure that the proposed solutions allow to minimise the effort required to elicit user preferences, also investigating innovative approaches for user segmentation and engagement.



# Upcoming Calls

**More sustainable buildings with reduced embodied energy / carbon, high life-cycle performance and reduced life-cycle costs (Built4People)**

**Deadline:** 24-Jan-23

**Expected grant value:** Max E6-9.5m

**Scope:**

The proposal should:

- Demonstrate innovative design, construction and renovation methods, design and technology solutions that minimise the overall life-cycle environmental impact, reducing energy consumption and carbon footprint of the built environment across the life cycle,
- Applying circularity principles throughout the design and construction process, flexible use and lifecycle extension by design, design for deconstruction, disassembly and reassembly, integration of waste, reused, recycled, upcycled and bio-based materials and components,





# Upcoming Calls

## Demonstrating offshore production of green hydrogen

**Deadline:** 20-Sep-22

**Expected grant value:** E4-6m

### Scope:

Proposals should address the following:

- Deployment of a system that is designed to be remotely controlled, monitored and autonomously operated to minimise operational costs, while also allowing ready access for essential maintenance purposes;
- Evaluation of the operational, inspection and maintenance requirements of offshore electrolysis systems;
- Operation of the offshore electrolyser and hydrogen export/storage/use for two complete seasonal cycles (24 months).



# Upcoming Calls

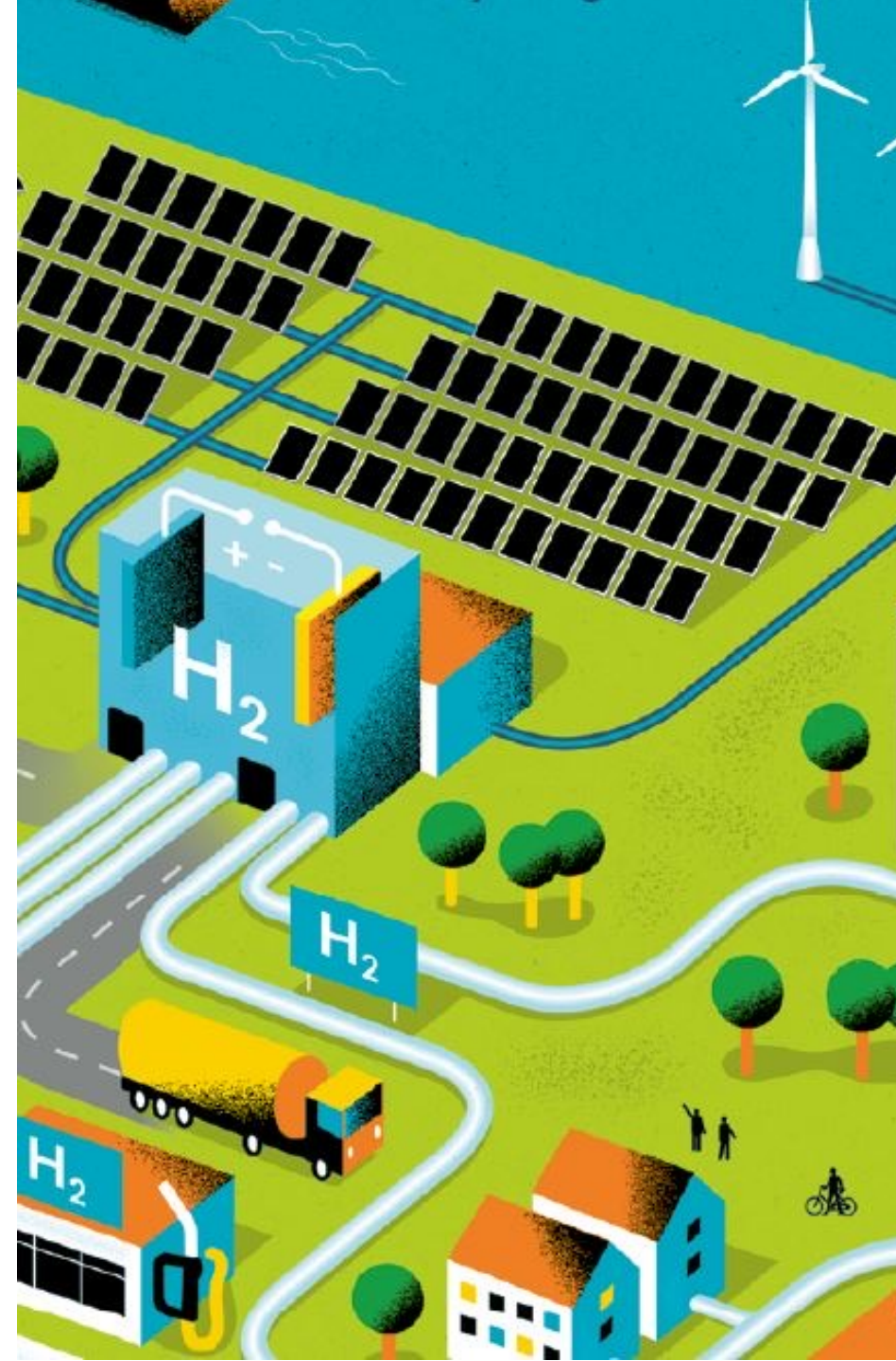
## Hydrogen Valleys (large-scale)

**Deadline:** 20-Sep-22

**Expected grant value:** Max E25m

### Scope:

- To develop, deploy and demonstrate a large-scale hydrogen valley with interlinkages to other places of hydrogen production and/or consumptions outside its boundaries.
- To increase the impact, it is encouraged to accommodate these requirements across two separate interconnected valleys located in different intra-EU regions





# Upcoming Calls

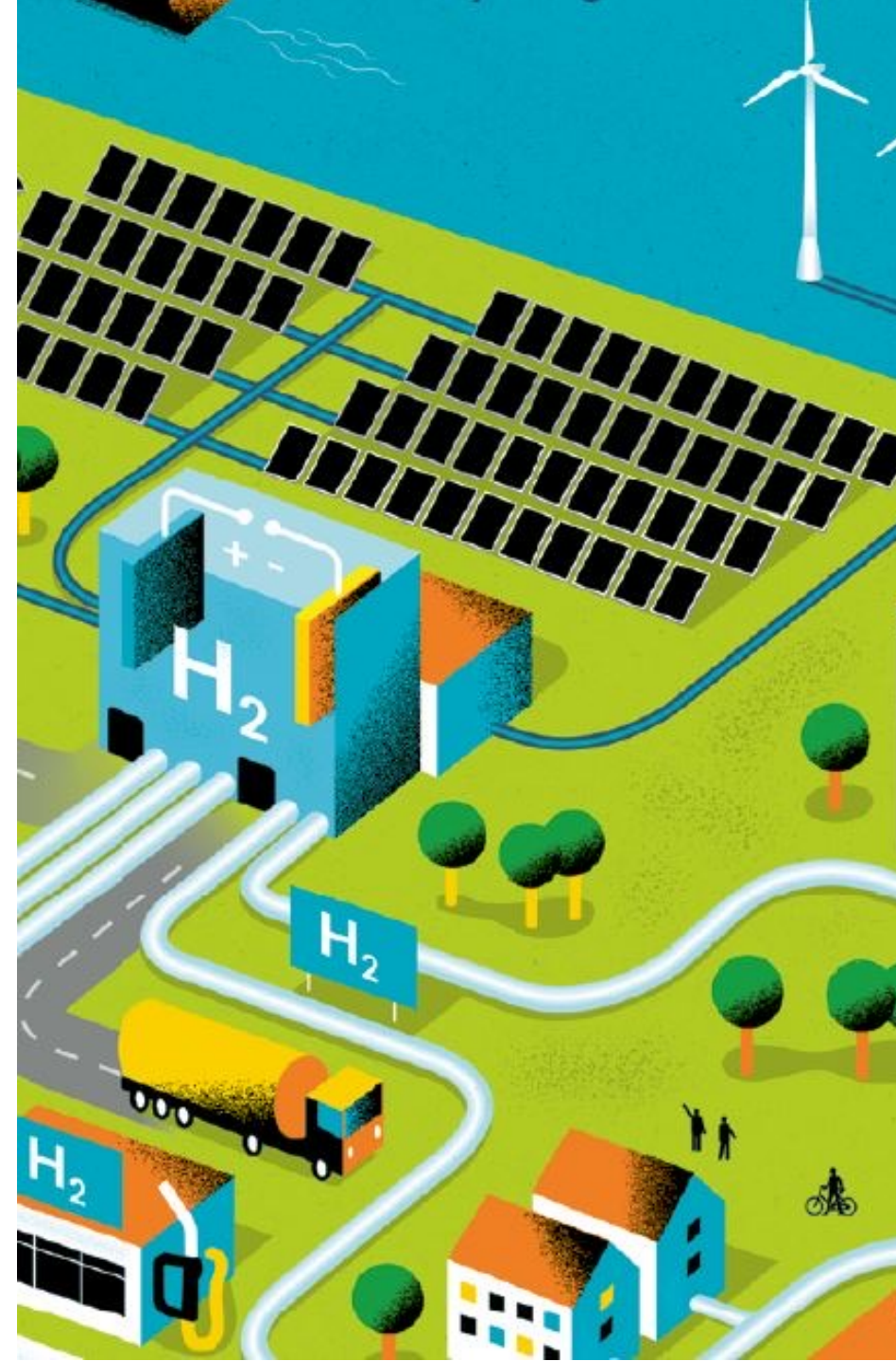
**Ammonia to Green Hydrogen: efficient system for ammonia cracking for application to long distance transportations**

**Deadline:** 20-Sep-22

**Expected grant value:** Max E3m

## Scope:

- Development of catalyst and reactor for ammonia dehydrogenation at lower temperature compared to state of the art, capable of:
  - ensuring the highest possible ammonia conversion (>98%) reducing downstream cleaning/recycling steps;
  - improving the overall thermal efficiency of ammonia dehydrogenation;
  - A demonstration system, running for at least 500 hours and producing at least 10 kg H<sub>2</sub>/day at atmospheric pressure;
- Demonstration of hydrogen fuel quality (according to ISO 14687:2019)



# Forthcoming – DRAFT – Work Programme 2023-2024

- Not yet formally available
- Leaked Work Programmes can be seen at Science|Business [here](#)
- Useful to give an indication of direction of travel and to begin conversations with potential consortium partners
- Very likely to change, possibly substantially (new topics appearing, existing ones vanishing, etc)





# Potential calls

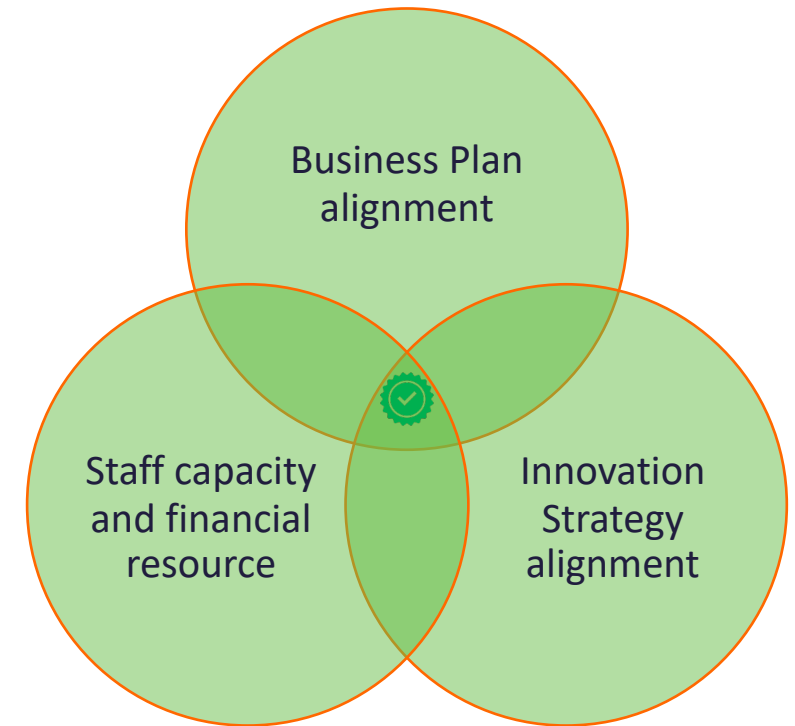
Call Type	Number of calls
Battery Technology	15
Renewable energy supply	47
Energy systems, grid and storage	21
Carbon Capture, Utilisation and Storage	3
Sustainable buildings	17



Clean  
Hydrogen  
programme  
launched next  
year

# What can I do next?

- The UK innovation landscape is complex and Horizon Europe is one option of many national and regional schemes
- Important to ensure that a collaborative funding bid fits with the long-term operational plan
- The bid should align with the broader R&D strategy timeline of the organisation



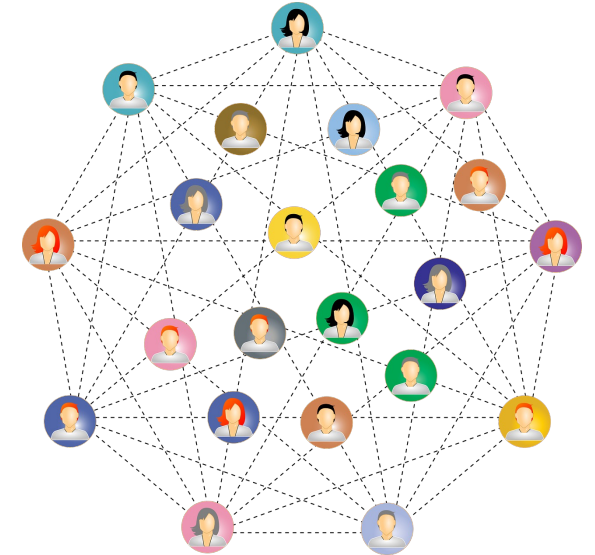
# Identification of Calls

- Initially build an understanding of business's proposed innovation strategy and map against active calls
- Analyse selected call text in detail to identify any “showstoppers” early
- Where relevant, seek further clarification on aspects of Scope and Expected Impact
- Identify activities outlined within the Scope that the business can deliver



# Partnership Development

- Develop a “concept note”
- Build an understanding of recent successes for similar calls and identify key stakeholders in the landscape
- Work with the business to understand their existing network across Europe and in associated and third countries
- Attend relevant brokerage events and Info Days
- Use the NCP network and existing research platforms (eg Enterprise Europe Network, ERRIN) to identify potential partners and advertise on the Funding Portal





# Support services – regional support

## Northern Ireland

- **NICP (Northern Ireland Contact Point) Network**: provides regional advice and support to potential NI Horizon Europe applicants by way of assistance with identifying areas of relevance within the competitive calls, help with application completion, identifying collaborative partners for applications, organising events & workshops, and engaging with National Contact Points

## Scotland

- **Annamarie Reid** is the **regional contact point** for Horizon Europe in Scotland based in Scotland Europa (Scottish Enterprise). Can provide expertise, advice and help coordinate access to a range of tailored support depending on needs

## Wales

- **Horizon Europe Unit**: dedicated team supporting Welsh organisations to access Horizon Europe opportunities. Based within the Welsh European Funding Office (WEFO), Welsh Government.
- **Horizon Europe Unit - SCoRE Cymru Scheme**: provides financial support, travel and expertise (bid writing) for Welsh organisations looking to access European research and innovation programmes like Horizon Europe. Further information is available by **emailing the Horizon Europe Unit**



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Thank you



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# Questions?



Built4People  
(B4P)  
Partnership  
(Co-Programmed)



# ***Introduction to the Built4People (B4P) Co-Programmed Partnership***

***Alain ZARLI***

*ECTP Secretary General  
B4P Management Team*

*July 2022*





# Built4People (B4P) Partnership (Co-Programmed)

*A policy cross-cutting initiative, addressing buildings climate-neutrality but also broadly speaking sustainability, reducing resource intensity and increasing recyclability, taking into consideration other policies relevant to buildings, including the need to preserve our European Cultural Heritage.*

## Scope:

- Decarbonisation, sustainability and better living (Europe & beyond)
- Gather partners across the built env. value chain for a *cleaner, safer, affordable, smarter, decarbonised & sustainable Built Env.*

## Aim:

- Produce & deliver on the market holistic innovation
  - long-lasting transformations & behavioural change
  - deliver long-term goals set by the EGD

## Approach:

- People-centric holistic innovation
- High quality architecture → low carbon, highly energy & resource efficient built env.
- Drive the societal and economic transition towards sustainability.

## Coordination:

- EC: DG ENER Lead contact → co-creation process among 12 EC services responsible for the policies focusing on the BE: ENER.B2, B3, B5; RTD.D1; GROW.C1; ENV.B2; MOVE.B3; CLIMA.C1; CNECT.H5; EAC.D1, D2; EMPL.C3.
- Partners others than the EU:

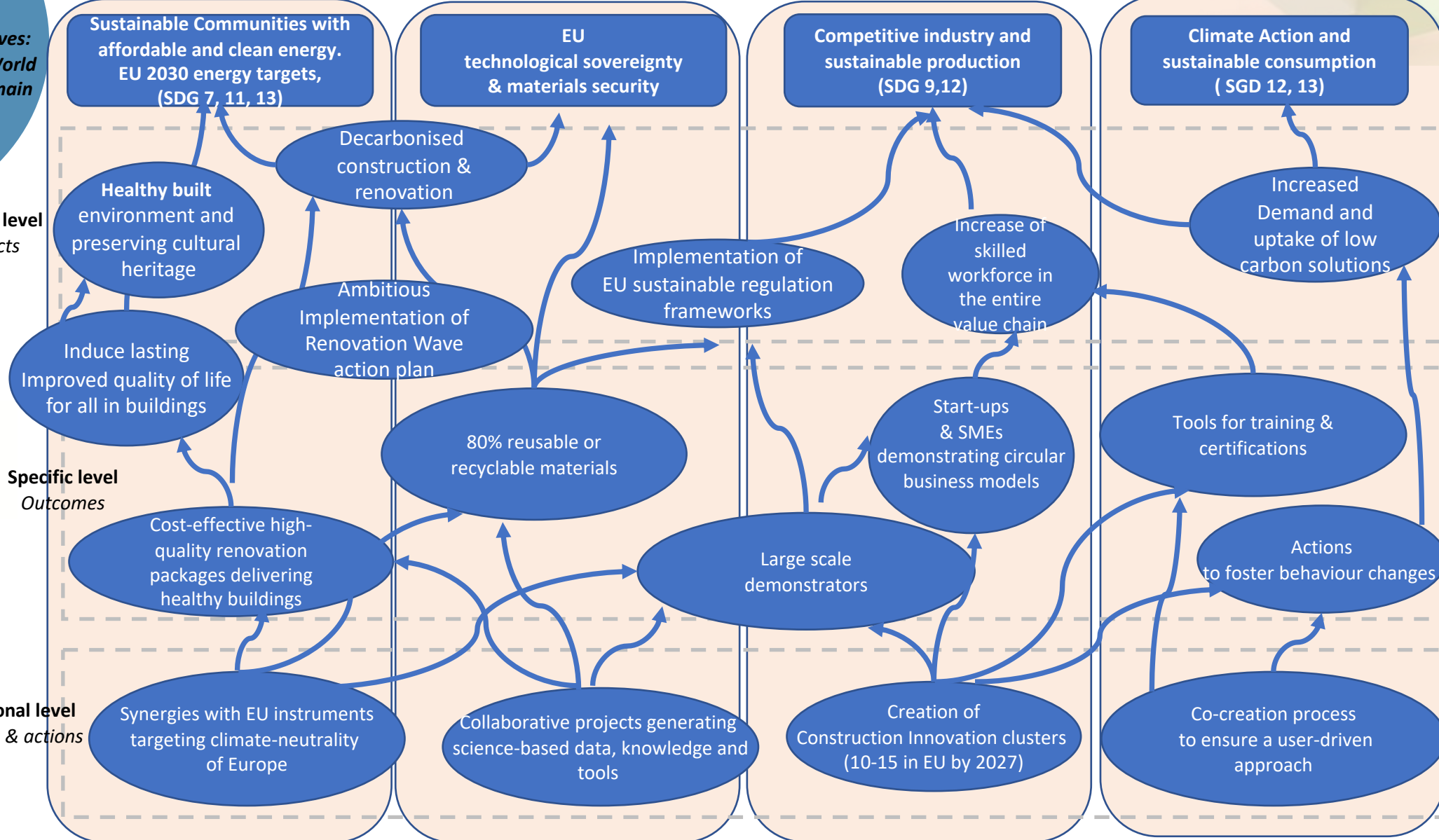


# Built4People PSIP (Partner-specific Impact Pathway)

*Link to macro-level objectives:  
SDGs, Green Deal, OECD, World  
Bank, WEF, EU specific domain*

## Built4People Partnership vision

**General level  
Impacts**



# Built4People - Summary of objectives in MoU



## 3 general objectives

GO1

**Generate holistic innovation in the built environment towards sustainability by 2027/28**

GO2

**Revitalise the sector through decarbonisation and sustainability transition by 2030**

GO3

**Induce lasting behavioral change towards sustainable living by 2030**

## 10 specific objectives

SO1

Develop holistic solutions that break “technological silos” in built environment, lower carbon and resource intensity and mainstreaming LCA-based approach

SO2

Develop solutions that enable/increase interactions of building with networks or increase sectors integration

SO3

Demonstrate profitability and job creation potential of new sustainable and circular business models

SO4

Demonstrate sector decarbonisation pathways across all the players in the value chain

SO5

Demonstrate industrialization potential and economies of scale, as well as applicability to a large share of the EU buildings stock/infrastructure

SO6

Develop strategies, methods and tools to adapt skills, culture and way of working to the opportunities arising from the new solutions

SO7

Engage the whole value chain as well as policy makers and civil society in the design, development and implementation of the new solutions

SO8

Orientate and demonstrate innovation to achieving outcomes for users in terms of functionality, comfort, convenience, accessibility, health etc

SO9

Demonstrate safeguarding and promotion of architectural elements that represent cultural / historical value and heritage

SO10

Develop strategies, solutions and tools to reduce time to market of the new technologies

## 10 operational objectives

OO1

Cost-effective multi-functional and/or prefabricated holistic renovation packages

OO2

Set of smart-grid ready and smart-network ready buildings acting as active utility nodes

OO3

Tools and applications to facilitate a life cycle-based approach

OO4

New design models for buildings, infrastructure, public spaces and efficient and resilient cultural heritage

OO5

New protocols and approaches to zero-carbo construction and retrofitting and circular and bio-based economy

OO6

New services from home and in the community, incl. solutions for healthier indoor and outdoor environment

OO7

New solutions and tools for public and private (green) as well as new business/financing/risk mgt models

OO8

Solutions for smart and responsive buildings exploiting an improved knowledge of user experience (BaaS)

OO9

EU-wide open databases and digital Data Management Platforms on the performance of the built environment

OO10

Innovation clusters /ecosystems integrated with the construction value chain and other sectors

# Built4People Overall governance



## B4P Stakeholders Forum

**A balanced representation of experts and stakeholders from across Europe to advise on priorities and suggest adjustments and re-orientations where necessary**

- ≈200 persons (or more) meeting
- At least once per year
- Besides B4P representatives, a focus on involving of interested stakeholders

## Other EU-level initiatives

**Aim to cooperate and achieve synergies in overlapping domains**

- Representatives from other co-programmed or co-funded Partnerships & Missions, or from relevant research and innovation initiatives

## B4P Partnership Board

**Main forum for dialogue and steering to reach the objectives set out in the MoU**

- ~60 representatives, 3-4 annual meetings, co-chaired by EC and non-EC partners
- Representatives of partners: EC (all involved DGs), ECTP and WGBC
- Observers can join upon invitation

## State Representatives Group

**Advise and support the achievement of the B4P objectives and ensure complementarity with national policies, priorities and programmes and provide information or make proposals to the Partnership Board**

- Representatives from Member states and associated countries (including from SET-Plan and IWG-5)

## Ad hoc request for input and support on:

- *SRIA*
- *Draft call topics Work Programme*
- *Additional Activities Plan*
- *KPIs (informal subworking group)*
- *Innovation clusters (informal subworking group)*
- *Stakeholders Forum*

## B4P team

**Coordination and operational management and preparation of meeting and support in deliverables and B4P Partnership's activities**

- Representatives from ECTP and WGBC
- Currently: Alain Zarli, Stephen Richardson, Laura Pallares and Clemens Flink

(Invitation as observers)

(operational alignment between management teams where relevant)



# Built4People Partnership Board

- PB members:
  - EC representatives
  - **ECTP** representatives
    - Innovation / industry, Academic research (& RTOs), Technologies
  - **WGBC** representatives
    - Environmental sustainability, Social sustainability, Financial / Investment, Impact reporting & MLE

2022

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# Built4People States Representatives Group (SRG)



- 19 confirmed States

- Austria
- Belgium
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Hungary
- Ireland
- Italy
- Malta
- Netherlands
- Poland
- Portugal
- Slovenia
- Spain
- Sweden
- Turkey

- SRs invited as observers in the B4P PB (2022):
  - **Annett KUHN** (*Germany*) – Chair of the SET-Plan IWG (5) on energy efficiency in buildings
  - **Annabelle RONDAUD** (*France*)
    - FR holds the rotating presidency of the Council
    - Overall interesting to consider linking (to some extent) one observer to the MS holding the presidency of the Council
  - 19 confirmed countries (@15/07/2022)
    - *New countries can join at any time*
  - First SRG online meeting: April 20, 2:30-4:30pm (CET)

# Built4People Stakeholders Forum



## • Objective:

- Advise and review on the priorities to be addressed, in line with the SRIA and the Horizon Europe strategic planning
- Provide with suggestions & recommendations for adjustments or re-orientations to the PB, where and when necessary

## • Members:

- should reflect a balanced representation of experts and stakeholders from across Europe within the scope of the priorities of the European Partnership
  - including e.g. from academia, industry, SMEs, end-users, non-governmental and civil society organisations, stakeholder associations and regulatory bodies
- The Stakeholders Forum will elect a chairperson from among its own members, who will be invited as an observer to the PB meetings

→ *objective is to create a strong community around B4P!*

- ECTP & WGBC affiliated entities, MS/AC via SRG...
- DG ENER, ECTP, WGBC media channels (News,...)
- Participants through European associations (not affiliated): CECE, EUREC, UIPI,...
- ...

## • 1<sup>st</sup> B4P Stakeholder Forum meeting

- Online – Wed 1<sup>st</sup> June 2022
- Attendance: 350 registrations & more than 170 joining live
- Feedback from delegates quite positive

# Built4People - Summary of KPIs in MoU



## KPI's on general objectives

GO1

**Generate holistic innovation in the built environment towards sustainability**

1. R&I investment in the sustainable built environment area catalysed by the partnership
2. # innovative products/services/processes linked to sustainability that are catalysed by the partnership and number of jobs created
3. Contribution to the successful deployment of relevant EU instruments and frameworks
4. # training programmes developed for the sustainable built environment

GO2

**Revitalise the sector through decarbonisation and sustainability transition**

5. Energy savings (MWh)
6. GHG emission reduction (tCO2e) / Pollution reduction
7. Share of reused/recycled materials used in construction (%)
8. Share of buildings designed and constructed based on a life cycle approach.
9. # buildings with on-site RES production
10. # of workers trained on working methods and tools in the fields covering the B4P objectives

GO3

**Induce lasting behavioural change towards sustainable living**

11. Share of the EU population living and working in green neighbourhoods
12. # of private and public building owners with sustainable behaviour in their building stock

## KPI's on specific objectives

SO1

SO2

SO3

SO4

SO5

SO6

SO7

SO8

SO9

SO10

13. # demonstrated innovative solutions and packages for sustainable construction and renovation

14. # demonstrated innovative solutions for the sustainability of the built environment value chain

15. # innovative services developed and demonstrated

16. # living labs established and involved in the partnership's projects

17. Total floor area and # buildings (residential or non-residential) directly involved in the partnership's projects demonstration activities

18. # and type of heritage buildings involved in/enhanced by the partnership's projects, in line with the safeguarding of the historical environment and architectural values of the building stock

19. # building occupants and users involved in the partnership's projects demonstration activities

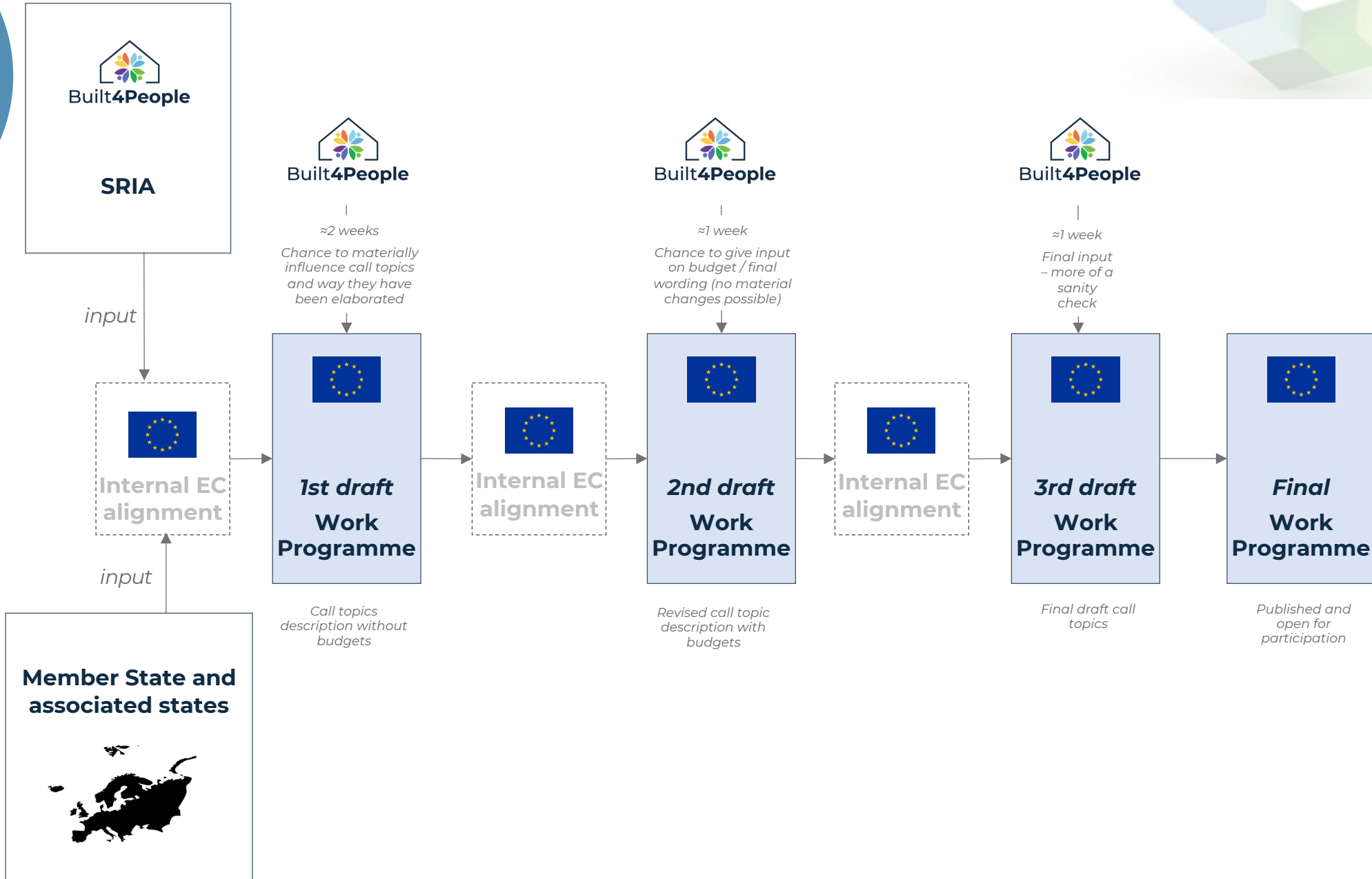
20. # people trained across the whole value chain in the deployment of innovative sustainable technologies, systems and methods

# Built4People Additional Synergies



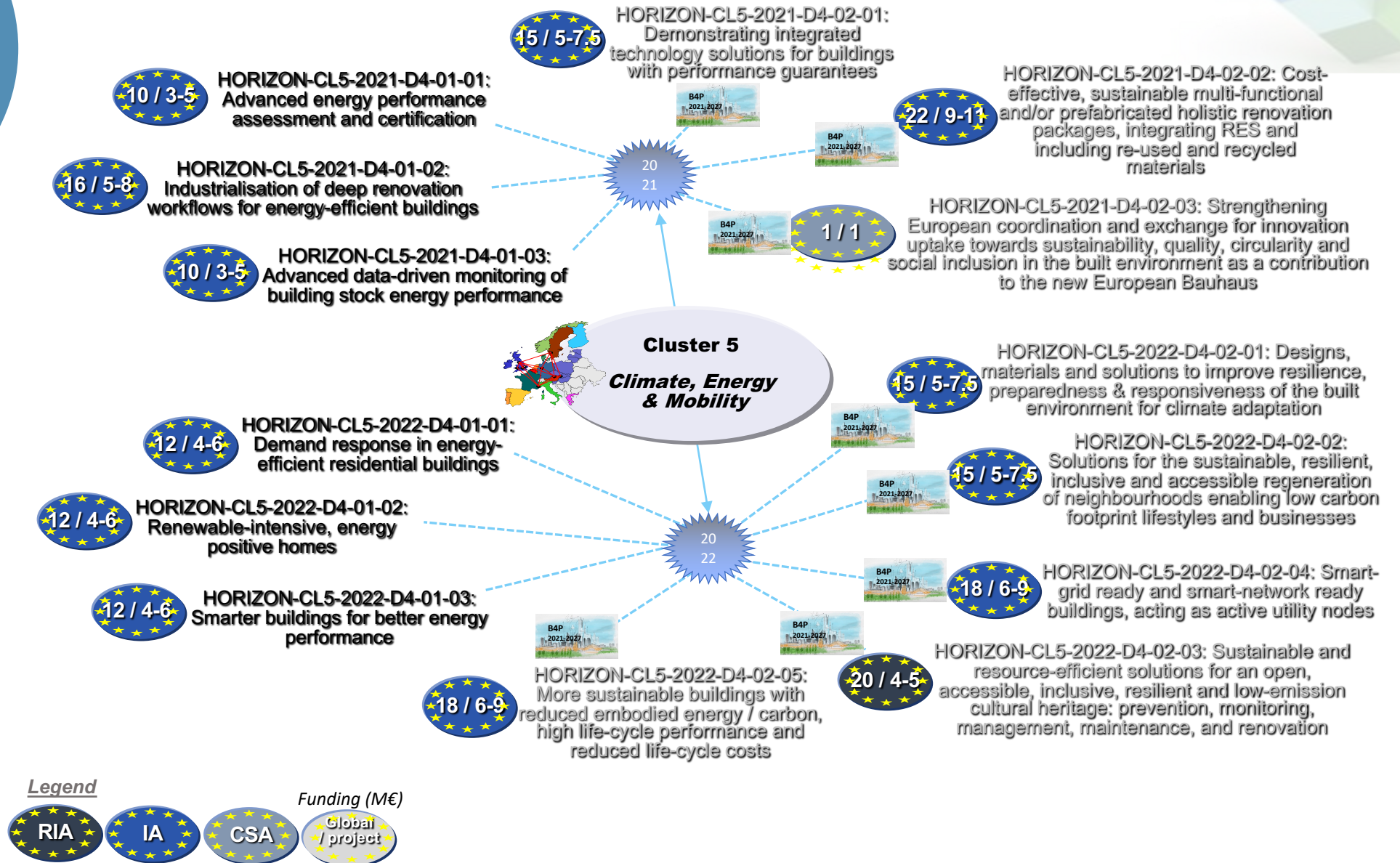
- Synergies – *identified targets for 2022*:
  - With Partnerships:
    - Cluster 5: CET, DUT (co-Funded)
      - 1<sup>st</sup> contact done with CET & DUT
      - Agreement on exchanging respective SRIAs & start identifying links/overlaps & common potential topics
      - 1<sup>st</sup> online discussion meeting & Fall time
    - Cluster 4: P4P, MiE (co-Programmed)
      - 1<sup>st</sup> contact with P4P (2 online meetings)
      - Exchange of respective SRIAs
      - Collaboration could include:
        - A joint paper (as an initial step) to be developed in 2022
        - A potential joint call in WP 2025-27 (depending on the joint paper outcomes)
        - Mutual participation to P4P or ECTP events
  - 100 climate-neutral and smart cities by 2030
  - SET-Plan IWG5
    - Ongoing through continuous collaboration
    - Involvement of IWG5 Chair in the B4P PB as observer
  - EIP SCC / Sustainable built environment action cluster
    - Cluster lead: Paul Cartuyvels (Bouygues Europe / ECTP)
    - Action(s) to be further discussed

# Built4People - Horizon Europe WP preparation





# Built4People - Horizon Europe WP2021-2022



# Built4People Innovation Cluster

(under elaboration)

1/3

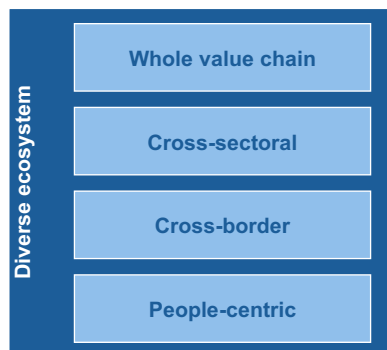


- Shaping and maturing Innovation clusters in European countries
  - ...for a widespread change of practices in the construction and renovation of the built environment as defined in the B4P objectives
- An innovation cluster:
  - is to be a local or regional ecosystem bringing together actors of the built environment ecosystem
  - where pools of capital, expertise and talent foster the development of new innovations, their demonstration and market uptake
  - can form based on an existing national/regional cluster organisation or a grouping of various existing such organizations (a 'meta-cluster')
  - has both a geographic focus and a focus on one or more SRIA topics
- Potentially signing a charter:
  - the charter clarifies and aligns expectations
  - It is signed when a cluster becomes a member of the network of B4P Innovation Clusters

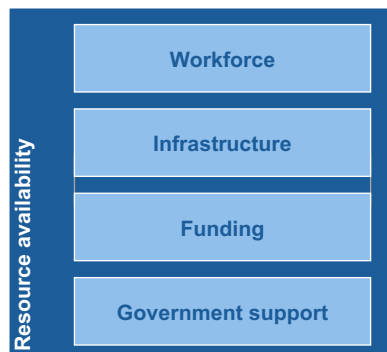
# Built4People Innovation Cluster (under elaboration) 2/3



## Impact drivers



## Meaningful collaboration



## Definition of high impact contribution

- All value chain players are represented: academic & industrial innovators, architects, contractors, planners, local authorities, developers, investors, end user associations. Ample focus on SMEs.
- There are anchors for and meaningful exchanges with other sectors, e.g. additive manufacturing, ICT, nature-based solutions, and others related to the new Bauhaus
- There are ongoing relationships, rich exchanges, and partnerships with clusters in other regions / Member States to stimulate innovation and scaling
- Residents and construction workers participate in priority setting, innovation development and other decision-making and brainstorming.
- Goal-guided & well facilitated exchanges that engage key stakeholders, build trust, connections, collaborations, and stimulate flow of ideas, knowledge, and opportunities. E.g. personalized messages, thematic groups / brainstorm, on-site visits, hackathons, joint projects, online platforms, co-working, social mingling, job hopping (no spamming to hit communication KPIs)
- Well-trained workforce including in SMEs. Creation of new jobs. Cluster is a magnet for innovation talent and business leadership. Cluster provides training & knowledge sharing.
- Easy access to test-beds, demo-spaces, pilot buildings, living labs, training facilities, commercial buildings, transport infrastructure, tech infra. Generalise learnings beyond unique test cases.
- Sustainable funding model for the innovation cluster ensuring longevity
- Innovation ideas get help and find it easy to get funding from venture capital, philanthropic foundations, government, banks
- Cluster works with local and national authorities for simplified access to their buildings/infra, flexible adaptation of building standards, zoning regulations; export support; tax cuts and grants
- There is a widely agreed theme/core competency and a roadmap for development for the cluster, developed with high participation from stakeholders (not just vested interests).
- A young and dynamic, risk-seeking mindset, through involvement of start-ups and younger generation professionals, residents and workers
- A focus on going beyond research and help innovations scale by supporting market/business development to respond to market demand (focus on pull, not push)

# Built4People Innovation Cluster (under elaboration)

3/3



- Identification of structural collaboration opportunities cross-sector, cross-border etc
- Brokering and setup support for meta-clusters

Meta-cluster creation

- Coaching and sharing of best-practices to become more people-centric (workforce, residents, etc) and to shape meaningful collaboration in the cluster

People-centric collaboration

Scaling support

- Support for promising EU innovation projects to take away market uptake hurdles and create opportunities for EU-wide rollout
- Competence building across clusters to support actors in scaling innovations

Infrastructure access

- Easy access to and synergies with Open Innovation Testbeds on Materials ([METABUILDING LABS](#), [MeZeroE](#), and [iClimabuilt](#)) and [METABUILDING](#).
- Organized access to pilot/demo buildings, tech infra etc. throughout the EU to learn what is possible

Business mod. & fin. helpdesk

- Toolbox, courses and support on most promising business models and co-financing / fundraising options from public (national and EU) and private (e.g. vc, foundations, crowdfunding) sources
- Matchmaking sessions & services
- Above-listed services both for clusters and for their members

Knowledge sharing

- Sharing knowledge from New European Bauhaus (NEB)
- Similar for the Renovation Wave
- Sharing knowledge from EU-funded projects

Policy & regulation exchange

- Identification and recommendations for supportive policy and regulations for innovation
- Sharing upcoming EU policy & regulations with clusters
- Connecting local / regional authorities cross-borders

EU visibility + network

- Enhanced visibility and networking among all B4P ICs, their members, EU funded projects, EU / national /local policy makers, clusters in related fields, and media.



# Built4People Contact details



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