



KICK-OFF MEETING

A network led by **CREB UPC**
to catalyse tech transfer in the HealthTech Sector

This project was co-financed by the European Union through the European Regional Development Fund (ERDF).

MARCH 03, 2023



AGENDA

1

RESULTS 2020-2022

- a. Key Indicators
- b. Activities Summary
- c. Calls launched
- d. Technological Observatory
- e. Co-creation events
- f. Portafolio - Startups & Projects
- g. Promotion & Dissemination
- h. Partners, Consultants and Mentors
- i. Evaluation of calls & Services

2

NEXT STEPS 2023-2025

- a. Vision & mission
- b. New members
- c. Calls to be launched
- d. Roadmap
- e. Future opportunities
- f. Team members

3

QUESTIONS & ANSWERS

Key Indicators



47

Research groups

17

Institutions ()



1.3M€

Budget

6

People hired



145

Technologies identified

30

Projects accelerated



490.000€

Grants for projects

7


Spin-off incorporated



73

Hours of training

31



Video capsules ()



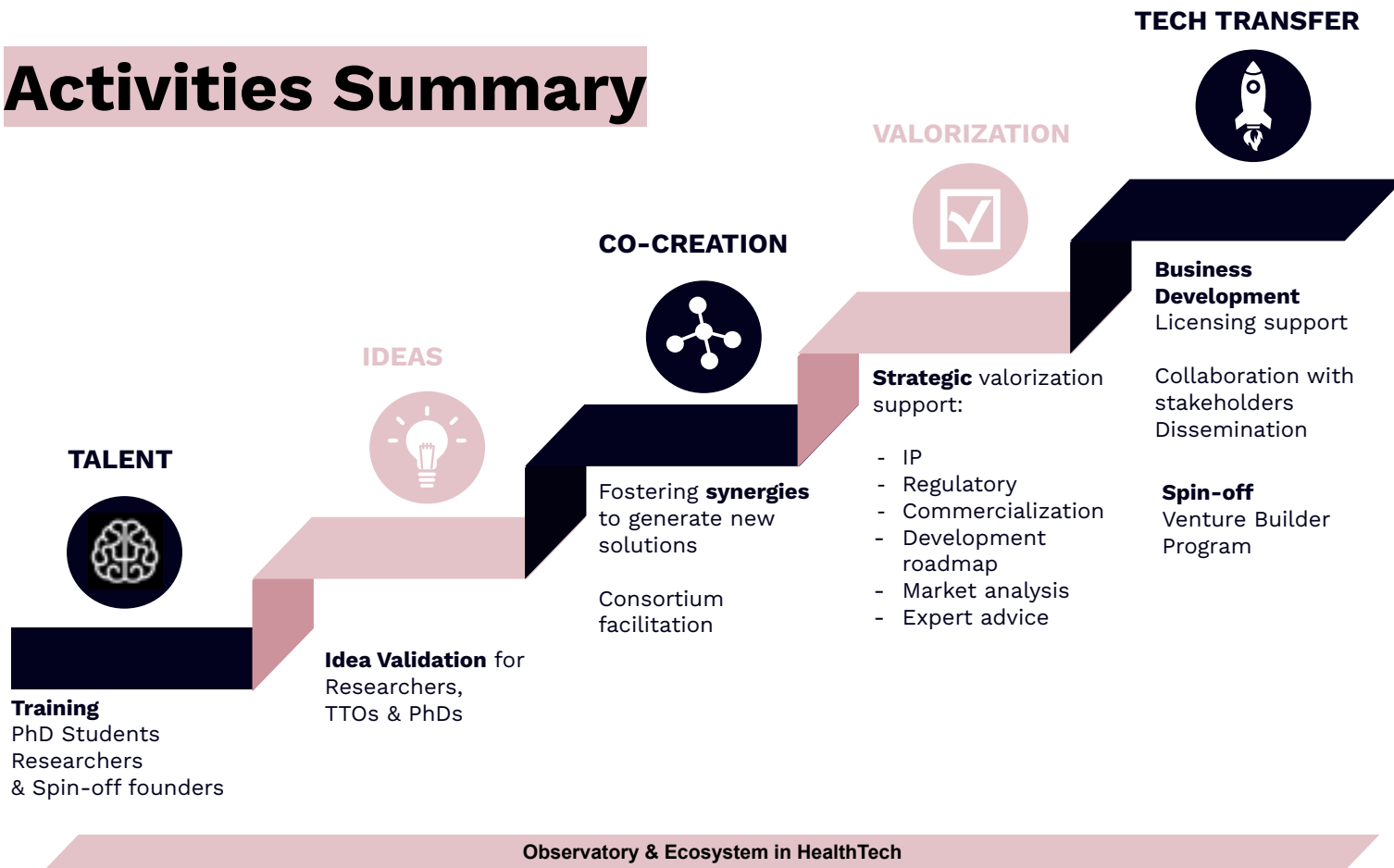
3 (+ 14)

Co-creation events
(+Observatory activities)

1k + 260

Followers ( + )

Activities Summary



Activities Summary

TECH TRANSFER



VALORIZATION



CO-CREATION



IDEAS



TALENT



Entrepreneurship Academy

Training
PhD Students
Researchers
& Spin-off founders

Idea Validation for
Researchers,
TTOs & PhDs

Innovation Challenges
Open innovation
Industry and hospital needs

Fostering **synergies**
to generate new
solutions

Consortium
facilitation

Xartec Salut Talks

HealthTech2030

Strategic valorization
support:

- IP
- Regulatory
- Commercialization
- Development roadmap
- Market analysis
- Expert advice

IP Call

Valorization Call

Business Development
Licensing support

Collaboration with
stakeholders
Dissemination

Spin-off
Venture Builder
Program

Events Call

Venture Builder Call

Open Call for projects

Observatory & Ecosystem in HealthTech

Calls Launched

30 PROJECTS ACCELERATED

Identifying disruptive technologies and bringing them a step closer to the market.

VENTURE BUILDER

Accelerating the creation and growth of new Spin-off companies.

- **260.000€**
- **12 projects** supported
- **Results**
 - 7 Spin-off incorporated
 - 10 Business plans
 - 12 Mentors (20h/p.)
 - 5 Legal assessments
 - 12 Incubation trainings

PATENTS CALL

Assuring early protection of inventions, by defining **IP strategy**.

- **90.000€**
- **10 projects** supported
- **Results**
 - 10 One-to-one trainings with an IP attorney
 - 5 FTOs
 - 3 Patentability studies

VALORIZATION CALL

Increasing technology value with specialized **valorization studies**.

- **80.000€**
- **11 projects** selected
- **Results**
 - 4 Regulatory roadmaps
 - 2 market access plans
 - 1 contact with companies
 - 3 market analysis
 - 1 tech transfer route

EVENTS CALL

Promoting the portfolio & providing funding for **congress** attendance.

- **60.000€**
- **20 congresses**, XTS team
- **17 travels** for researchers
- Expenses covered: event inscription, travel and accommodation

Formative Sessions



GENERAL TRAINING

12 Months program to train **researchers** and **TTOs** in **valorization & tech transfer**.

260 total participants
25 sessions
>37 total hours
63% Women assistance

INCUBATION TRAINING

4 Months program to train **Startup founders** in Business.

17 total participants
12 sessions

ENTREPRENEURSHIP ACADEMY

1 Month program to foster the entrepreneurial spirit and technology transfer in the health sector for **master & doctoral students**.

27 total participants
4 sessions **>8** total hours
8.5/10 Recommendations

Co-creation Events



Building Bridges for HealthTech Innovation.

June 16, 2021



III Sant Joan de Déu Research Institute Scientific Conference.

Oct, 2021



Co-creation day. Xarxes R+D+I.

Sep 30, 2022.



Xartec Salut Talks: Virtual Reality.

April 22, 2022



Health innovation session of UB Master's degree in Clinical Research

led by I.Cano and J.Roca.
December, 2021.



Cafè de la Recerca: "Xarxes de R+D+i".

June 15, 2021



Bitsxlamarató. amb CREB i la Fundació Activa'TT.

December 16, 2022

Co-creation Events

HEALTHTECH2030

Summit. November 10, 2022

Fostering synergies among universities, hospitals, technology centers, investors and industry.

335 attendees

19 speakers

5 international speakers



Co-creation Events

Innovation Challenge: Hacking the future of HealthTech.

November 4-6, 2022

55 hackers

22 mentors

3 challenges

12 sponsors

3 days

Organized by



Co-financed by



Challenge Sponsors



Award Sponsors



Powered by



Networking Sponsors



Observatory

Fostering the exchange of knowledge and debate among members of the ecosystem.

5 REPORTS

4 ORGANIZED ROUNDTABLES

22

TOTAL PANELISTS

<900

TOTAL ATTENDEES



A Glimpse to the Catalan Ecosystem



A Glimpse to the International Ecosystem



HealthTech2030 Disruptive Innovation (2022)



Brain Drain (2022)



Catalonia's contribution to disruptive innovation



Comparison of HealthTech ecosystems



Brain Drain on the Spanish Framework



HealthTech Ecosystems (2022)



Building Bridges (2021)

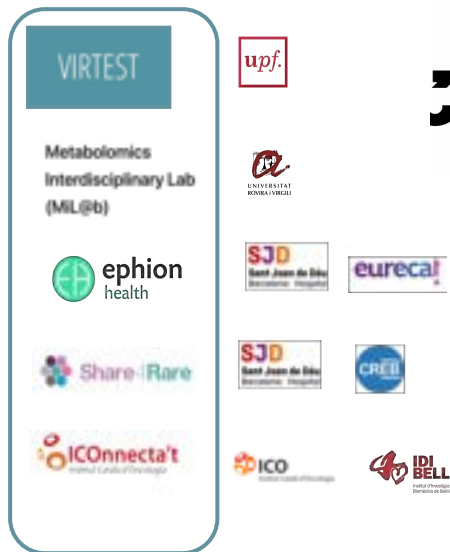
Portfolio

Venture Builder Program - De-risking spin off creation process ("faster & healthier")

2021



2022



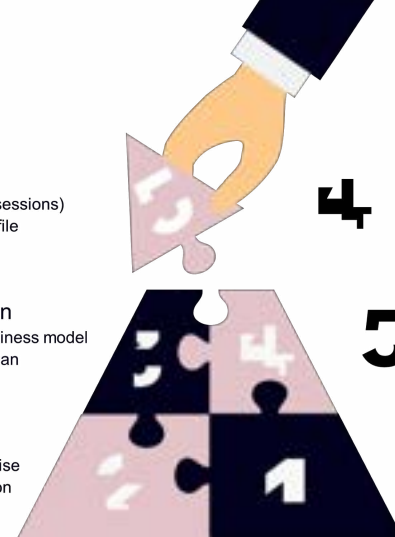
1 Team
Training (12 sessions)
Business profile

4 Mentor
Profile selection
plus 20h

2 Business Plan
Market need, business model
& development plan

5 Fundraising
Individual sessions
with investors

3 IP & Legal
IP protection & legal advice
for company incorporation



12 Projects
14 institutions

17k€ per project

Press & Media

RELEVANT PRESS

The New Barcelona Post



Europa Press



Fulls d'Enginyeria



Ara



TV3



BTV



Cope/Efe



Metadata



VIDEOS

25 Promotional Videos



MONTHLY NEWSLETTERS

20 Newsletters



Promotion & Dissemination

24 Xartec Salut Team Total Events

2021 • Mobile World Congress MWC 2021 • BioSpain Pamplona • XIV Seminario de Asesores de Proyectos de I+D+I HEuropa • Giant Health • Bioerupe (Spring & Autumn) • ITEMAS • Biofit • The MedTech Forum 2021 • Forum d'Innovació Healthcare • Open Innovation Forum **2022** • Mobile World Congress MWC 2022 • Transfiere Málaga • Digital Health Conference • BioEurope • V Foro de Talento en Ingeniería Biomédica • The MedTech Forum 2022 • Giant • Jornadas SIGNO • ISPIM • SouthSummit Madrid • HR Innovation • BioEurope Spring • HealthTech Forward • BioJapan • Tecnio Girona • TecnoCampus • BHH Summit • HLTH • Connect ISPIM • Biofit • Innovation Day Lillehammer.



19 Xartec Salut Researchers (Events Call)

2022. RehabWeek2022 • 2022 IEEE ICASP Singapore • 10th Visual & Physiological Optics Meeting • 32nd Annual Conference of the European Society of Biomaterials • 9th Central European Symposium on Plasma Chemistry • 25th International Conference on Medical Image Computing and Computer Assisted Intervention MICCAI 2022 • MRS Workshop 2022 • ISMRM Iberian Chapter Annual Meeting 2022 • BioRob2022 • IEEE Engineering in Medicine and Biology Society • 3rd Immuno-Oncology World Congress • Congreso Anual de la Sociedad Española de Ingeniería Biomédica CASEIB 2022 • XVI Jornadas Anuales CIBER - BBN • Multibody Dynamics Workshop 2022 • 1st Tauli Health Artificial Intelligence Symposium • Reunión NIMBLE • 1º Workshop Slamoc Sui Sensori Inerziali per l'analisi clinica della mobilità • XI Reunión del Capítulo Español de La Sociedad Europea de Biomecánica - ESB 2022.



Partners & Consultants



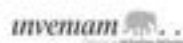
Gustavo Fuster
Hoffmann Eitle



Vicente Barberà
Viromii



Elena Canetti
Inveniam



Alberto Ouro
IBM



Aline Noizet
Digital Health Connector



Bernabé Zea
ZMB Patents & Trademarks



Francisco Bala
Impulse to Grow



Joan Solís & Oscar Rey
Arvor



Josep Lluís Falcó
Genesis Biomed



Lidia Casas
Patent Riders



Oriol Penon
Asphalion



Adela Farré
Biobiz



Victor Ledesma
EY



Isabel Lopez
EpisKey Medical



Venture Builder Mentors



Marta Princep
Managing Partner
BHV Partners



Rosendo Garganta
Founder & CEO
Devicare



Xavier Farrés
Business Development Director
Miebach Consulting



Maria Arbulu
Consultant
BHV Partners



Joaquim Trias
Founder & CEO
Attivare Therapeutics



Alfons Nonell
CEO & Co-founder
DevsHealth



Gençal Pagan
Founder & CEO
Zeniment



Rubén Lupiáñez
Founder & CEO
Vemedia Hispania



Gemma Estrada
Digital Health and Technology
Director, Ferrer



Fermín Galtisolo
Consultant & Partner
BHV Partners

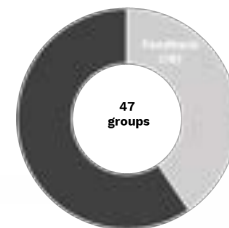


Tony Anagor
Coach and Leadership
Keep the Bounce

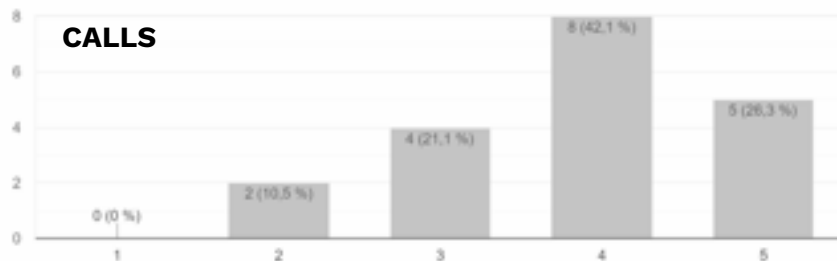


Patricia Fernández
Marketing & Business
Development Consultant

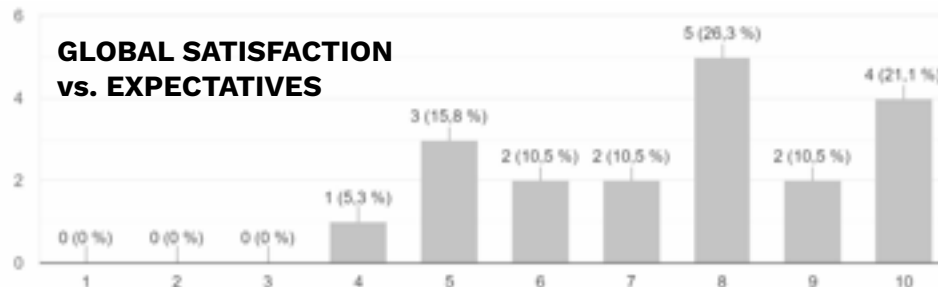
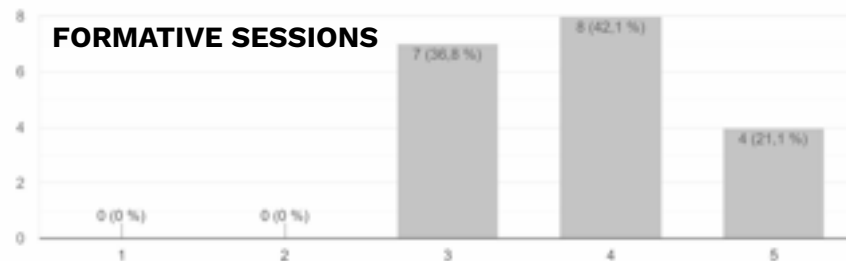
Evaluation of Calls and Services



My level of satisfaction
19 respuestas



My level of satisfaction
19 respuestas

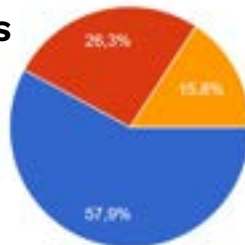


Evaluation of Calls and Services

To what extent were you aware of the offer of calls that were opened by Xartec Salut?

19 respuestas

CALLS



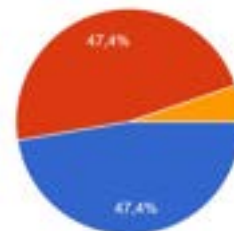
- I knew all the offer of calls that were opened (Venture Builder, IP, Valorization, Open Call)
- I knew most of the calls that were opened
- I found out few calls
- I was not aware of the offer of calls

Need to improve internal communication from XTS team

FORMATIVE SESSIONS

I was aware of the full proposal for training sessions (Incubation Training, General Training, Entrepreneurship Academy) offered by Xartec Salut:

19 respuestas



- Yes
- Not fully
- Not at all

The entirety of my group is aware of the offer of calls and programs of Xartec Salut:

19 respuestas



- Yes
- No
- I don't know

Need to relay information from XTS PI to their research team

About the new network

MISSION

To accelerate the **technology transfer** in the **HealthTech** field, by supporting DISRUPTIVE TECHNOLOGIES that can generate and **impact** to society. We foster **entrepreneurship** and the creation of SPIN-OFF companies, as a tool for bringing research results to the market and **talent** attraction

VISION

To become the **reference network** for R&D&I in the field of HEALTH TECHNOLOGIES in Catalonia.

VALUES

Commitment to support INNOVATION that generates social and economic impact.

Responsibility to avoid brain drain and generate career opportunities for TALENT.

Collaboration to promote the exchange of knowledge and SYNERGIES between research groups institutions, hospitals and companies.

Members 2023-2025

81 (+34)

Research groups



23

Institutions

2

Affiliated Institutions

1M€

Budget



3+1

People hired



Affiliated Institutions:



Members 2023-2025

NEW MEMBERS:

University

- Universitat de Lleida

Research Centers

- Institut de Recerca Vall d'Hebron
- Barcelona Supercomputing Center
- Institut d'Investigació i Innovació I3PT Parc Taulí
- Institut d'Investigació Sanitària Pere Virgili
- IDIAP Jordi GOL

Hospitals

- Hospital de la Santa Creu i Sant Pau
- Institut de Bioenginyeria de Catalunya (IBEC)
















































































Affiliated Institutions

- Col·legi de Metges de Barcelona
- Bioinformatics Barcelona



Affiliated Institutions:

Members 2023-2025

	EBN Labs, Bioinformatics and Biomedical Signals Lab				EBN Labs, Bioinformatics and Biomedical Signals Lab
	BIOART, BIOlogical Analysis for Rehabilitation and Therapy				BIOART, BIOlogical Analysis for Rehabilitation and Therapy
	ANCORA, Anàlisi i Control del Rítmic-Cardíac				ANCORA, Anàlisi i Control del Rítmic-Cardíac
	BICOMIT, Biomimètic and Engineering Lab				BICOMIT, Biomimètic and Engineering Lab
	IES, Instrumentació i Electrònica i Biomèdica				IES, Instrumentació i Electrònica i Biomèdica
	BBI, Biomaterials, Biomimètics i Enginyeria de Teixits				BBI, Biomaterials, Biomimètics i Enginyeria de Teixits
	ICMRE, Ionizing radiation, health and environment				ICMRE, Ionizing radiation, health and environment
	RES, Robotics Intelligent i Systems				RES, Robotics Intelligent i Systems
	GREO, GREO, Grup de Recerca en Enginyeria Òptica				GREO, GREO, Grup de Recerca en Enginyeria Òptica
	IMEM-BBI, Innovation in Materials and Molecular Engineering - Biomaterials for Regenerative Therapies				IMEM-BBI, Innovation in Materials and Molecular Engineering - Biomaterials for Regenerative Therapies
	CEITP-IAET, Centre d'Estudis Tecnològics per a l'Atenció a la Dependència i la Vida Autònoma - Sensors				CEITP-IAET, Centre d'Estudis Tecnològics per a l'Atenció a la Dependència i la Vida Autònoma - Sensors
	InteT-SensIntegrat i Tecnologies per a la Salut				InteT-SensIntegrat i Tecnologies per a la Salut
	VIMVIG, Visualització, Realitat Virtual i Interacció Gràfica				VIMVIG, Visualització, Realitat Virtual i Interacció Gràfica
	Lab.M, Mathematical and Computational Modeling				Lab.M, Mathematical and Computational Modeling
	ISDAI, Intelligent Data Science and Artificial Intelligence				ISDAI, Intelligent Data Science and Artificial Intelligence
	BIOCOM-SC, Computational Biology and Complex Systems Group				BIOCOM-SC, Computational Biology and Complex Systems Group
	GRIBO, Grup de recerca en Bioinformàtica i Bioinformàtica				GRIBO, Grup de recerca en Bioinformàtica i Bioinformàtica
	LAM, Laboratori d'Aplicacions Multimèdia				LAM, Laboratori d'Aplicacions Multimèdia
	BCN Med Tech				BCN Med Tech
	Systems Bioengineering				Systems Bioengineering
	Neurodevelopmental Dynamics				Neurodevelopmental Dynamics
	MRAPS, Laboratori d'Integració i de Metabòlics				MRAPS, Laboratori d'Integració i de Metabòlics
	ALGOL, Recerca en Dolor				ALGOL, Recerca en Dolor
	Grup de Quimiometria, Quimiometria i Nanosensors				Grup de Quimiometria, Quimiometria i Nanosensors
	CURENIS, Informàtica Avançada				CURENIS, Informàtica Avançada
	CLOUDLAB, Cloud and Distributed Systems Lab				CLOUDLAB, Cloud and Distributed Systems Lab
	Neuroinformatics				Neuroinformatics
	TEKA, Intelligent Technologies for Advanced Knowledge Acquisition				TEKA, Intelligent Technologies for Advanced Knowledge Acquisition
	ISL&M/NUTRISAM, Grup de recerca Nutrició, Alimentació, Creixement i Salut Mental				ISL&M/NUTRISAM, Grup de recerca Nutrició, Alimentació, Creixement i Salut Mental
	NUTRISAM, Nutrició i Salut Mental				NUTRISAM, Nutrició i Salut Mental
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
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Calls to be launched

Identifying disruptive technologies and bringing them a step closer to the market.

PATENTS CALL

Assuring early protection of inventions, by defining **IP strategy**.

- **NEXT Call:** April 2023
- **Second Call:** 2024

VALORIZATION CALL

Increasing technology value with specialized **valorization studies**.

- **NEXT Call:** July 2023
- **Second Call:** 2024

VENTURE BUILDER

Accelerating the creation and growth of new **Spin-off** companies.

- **NEXT Call:** October 2023
- **Second Call:** 2024

Roadmap

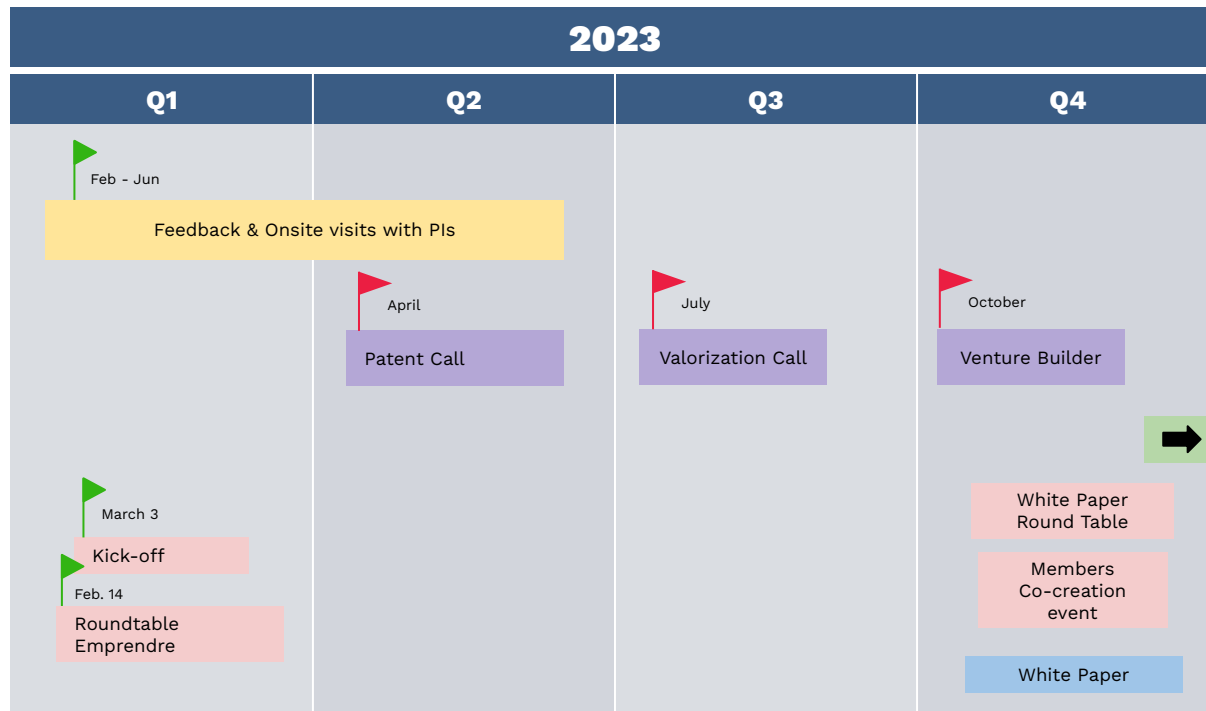
IPs Catch up

Calls

Training

Events

Observatory

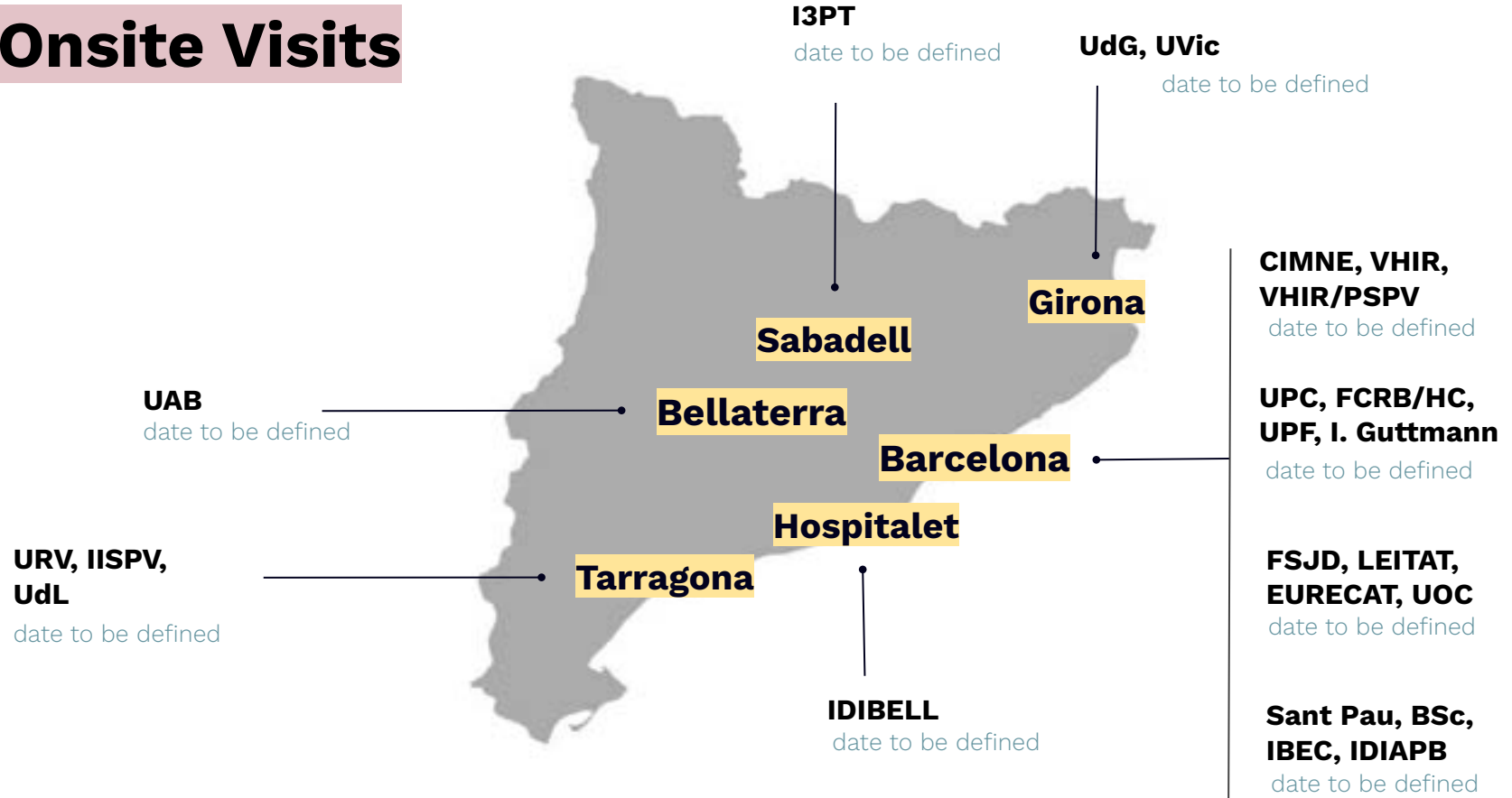


*Activities constantly being updated

Future Actions

1. Boost the collaboration with **investors** and **corporates**.
2. Network **Expansion** & Internationalization.
3. Promote **synergies** between research groups: networking events.
4. Capture **talent** by fostering **entrepreneurial spirit** of PhD/Postdocs.
5. Consolidate Xartec Salut as the reference ecosystem in **Catalan HealthTech**.

Onsite Visits



Xartec Salut Team



Alexandre Perera Lluna

Head of Xartec Salut
Head of CREB UPC



Manel González Piñero

Head of Innovation
CREB UPC



Antonio Galicia Balboa

Promotion and
Management Support



Cristina Páez Avilés

Events and Communication



Cédric Labay

Valorization and
Internationalization

Contact point

xartec.salut.creb@upc.edu

Q&A

Frequently asked questions

Hiring staff is eligible within Xartec Salut's calls?

No, hiring staff is not eligible.

What was the success ratio in the previous calls?

In the previous calls there was an average success rate of 92%.

Can all members of the research group apply to calls?

Yes, every member of the research group could apply to Xartec Salut calls.

Tech transfer could be promoted in other ways than through the creation of a spin-off?

Yes

Can an already created spin-off receive support from Xartec Salut's calls?

An already created spin-off can not receive the support from any call. Only actions from the research group can be supported.

There will be call for events?

It will be announced further on.



Thank you!

xartec.salut.creb@upc.edu



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH
Biomedical Engineering Research Centre


xartecsalut