FriquiFund

Plenary 2022-Q4

AGENDA:

6:45 - 7:15 Welcome, Updates and Planning

7:15 - 8:00 Robotics for girls (Scientia): NGO view and Q&A w/ teacher

8:00 - 8:30 Open discussion (bring your own topics and questions)

Mission and Quick Update

Mission

Our Mission: We support young underprivileged geeks in developing their careers. Geeks (Friqui in Spanish) here is understood in a very narrow sense as: "people interested in pursuing careers in STEM". FriquiFund members are all professionals related to the STEM world, willing to donate time and money to out mission.

Our Approch: We support NGOs which support young underprivileged geeks: with cash donations, networking (internships, scholarships, teachers, jobs), mentoring and any other way we may think of.

Ongoing Efforts:

- Currently we are collaborating with four NGOs: AEIRaval, IRES, MigraCode and Scientia. Check them out in our Efforts page.
- We are running an experimental Mentorship program (with 10 students)
- We hold plenary meetings four times per year.

friquifund.org

NGOs we are collaborating with:

AEIRaval: Associació Educativa Integral del Raval: Treballem amb els col·lectius més vulnerables, amb més dificultats per a la inclusió social en una societat que presenta desigualtats d'oportunitats i on, sovint, la vulnerabilitat s'hereta de generació en generació.

Click @ IRES: Som una fundació compromesa amb les famílies en situació de vulnerabilitat, que ofereix acompanyament en l'àmbit social, psicològic i educatiu.

MigraCode: Code academy for refugees and migrants.

Scientia: Desarrollo de competencias digitales a gran escala, accesible para todos, con un impacto medible, y mucho más sostenible.

(view proposals in our internal web,
~5000€ each)

friquifund.org

Very Quick Update:

- **Donations:**
  - **Scientia Robotics**
  - **Hardware Donations**
  - 3 programs completed
- **New programs:**
  - **Masters Scholarships (launching!)**
  - **Internships launched**
  - Mentorship launched
  - Mock Interviews launched
- **New Web, New Social Media Channels**
  - **Friquifund.org**
  - **Twitter**, **Linkedin**
- **Plenaries**
  - **Q2, Q3 & Q4 : online & in person!!**

Scientia Collaboration

Scientia: robotics for girls (*) in high-complexity schools

- **Hypothesis:** girls lose interest in tech while in school and it is mostly social, both stereotypes and blending-in. Gap is so big, affirmative action is due

- **Robotics (Codey Rocky):** fun way to engage with computational thinking

- **Scientia:** NGO specialized robotics for children, formerly Lego League Spain

- **FF proposal:** pilot two high-complexity schools with an only-girls program. Once in place, robots can be used with boys too

- **Approach:** test and learn. Today, first direct feedback. Highly scalable

- **Qualitative results:** good (written) feedback from schools

- **Quantitative results:** high enrollment (100+ students) and engagement, w/ boys included

(*) And then boys too, if a girls' group is created

Scientia: Codey Rocky cute robots and weekly challenges

IR transmitter
IR receiver
Gear Knob
Integrated 6-axis Gyroscope
LED Display
RGB Status Indicator
Speaker
Light Sensor
Voice Sensor
3 Buttons

Learning Code is Easy
Programming is as simple as building blocks.

Scientia: Codey Rocky 3-min demo

School feedback

Escola Marinada, Montornès del Vallès

JA TENIM ELS CODEY ROCKY EN MARXA!!!

Tot just començar el mes d'octubre, ens trobem amb un element nou que ens acompanyarà tot el curs gràcies a la Fundació FriquiFund.
Us presentem en Codey Rocky

Les nenes de l'escola Marinada estan entusiasmades i amb ganes d'aprendre més:

E.A. 3r *No m'esperava fer un STEAM tan xulo aquest curs.*
H.A. 3r *Ja marxem a classe? Quan tornem a veure el Codey Rocky?*
M.T. 4t *Jo li he dit a la meva mare que vull un. Ens fa pensar molt eh!*

CONTINUEM! Us anirem informant

"I did not expect a STEM course this cool this year!"

"Is it over already? When do we get to see Codey Rocky next?"

"I already told mom that I wanted one of those robots. It makes us think hard!"

School feedback

Escola Auró,
Terrassa

We can do things with PC's too!

*Estem molt contents de poder dur a terme aquest projecte a la nostra escola. Considerem que donar l'oportunitat a les nenes per tenir un espai únic per aprendre a programar, **les empodera i les fa sentir més segures d'elles mateixes**. Valorem el projecte molt positivament, ja que **trenca estereotips i vetlla per la igualtat d'oportunitats** en l'accés a les noves tecnologies.*

*Com elles diuen: **"Nosotras también podemos hacer cosas con los ordenadores".***

Meet **Berta Martín**, the manager of Girls Gems program

7 qüestions

6.5 minutes

School's view: Tonyi Piñero, from Escola Marinada

Live Q&A with Tonyi Piñero, responsible for STEAM program

Scientia: quick takeaways

- **It works!:** Codey Rockies rock! Children engaged and makes them think hard

- **Slower pace required:** Will take more than one year to complete (and is fine)

- **Smaller groups required:** Classes with ~8 students (6 groups in Marinada)

- **Compulsory enrollment:** part of STEAM program (maybe not everywhere?)

- **Separation seems to work:** avoids 'boysplaning', but could test alternatives

- **Good scalability:** one teacher has managed to run everything end-to-end

- **High potential:** 2 schools out of 200+ in all Catalonia (most in greater BCN)

- **Good RoI:** ~50€ per student and year (~2€ per student and session)

- **Next steps:** attend session in Montornès, visit Amazon warehouse, extend to other schools (8 on waiting list, maybe mid-year start?)

Updates

Migracode: <u>first</u> delivery of PCs and screens

- Shared resources for students on-site

- Scalable to sponsored students

- Know-how in place now

Migracode: first promotion of our co-sponsored class

Meet the 2022 class, with Gloria Kwofie, who we met last time

Gloria Kwofie (She/Her) ·

Mentoring Initiative update

Mentoring pilot active for 3 months with 6 mentees

We have detected 2 main mentoring topics

1. Internships ➡️ We have created a separate "internship initiative"

2. Academic support ➡️ We are thinking how to best solve this

This initiative makes sense and we want to scale it!

1. Apply for a Mentorship" form in friquifund.org to be added soon
2. Connect with NGOs

Left: FriquiFund Form

FriquiFund: ayúdame a encontrar prácticas!

hugo@hugo-zaragoza.net Switch account

* Required

Email *

Your email

Información Personal del Estudiante

Nombre *

Your answer

Grado de Estudios *
- ○ FP Ciclos Formativos de Grado Medio
- ○ FP Ciclos Formativos de Grado Superior
- ○ Bachillerato
- ○ Facultad
- ○ Other:

Tema de Estudio *
- ○ MicroInformática (manteniment, instalacio, xarxes, recambi, ofimatica, programacio web)
- ○ Other:

Temas de interés del estudiante: *

Your answer

Información del Centro de Estudios

Nombre del Centro

Your answer

Profesor/a, Tutor/a, o Docente encargado/a de las prácticas (Nombre, Apellido, Email)

Your answer

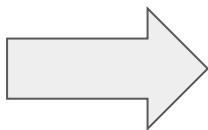**Características de las Practicas que de Buscan**

Número total de horas de práctica que se necesitan (en horas, días, meses, etc.)

Your answer

Describir el tipo de semanales/ diarias (jornada completa, 4 horas por la mañana, dos días por semana, etc.)

Your answer

Fecha ideal y fecha límite de inicio de prácticas

Your answer

Tipo de Alta / Convenio / Seguro

Your answer

Remuneración Mínima

Right: Spreadsheet

id	1
Staus	FOUND
Estudiant	Jahanzeb Raja
CV	
Curs	Facultad
Especialitat	Enginyeria Informàtica (grau 4 anys)
Interesos de l'estudiant	Ingenieria de software, desarrollo de software, programación, diseño de aplicaciones, ciberseguridad, gráficos por ordenador
Curriculum	
Duració	Mínimo 125 horas, máximo 800 horas. Más detalles: https://www.upf.edu/web/econ/vull-fer-practiques
Horari	Idealmente: 4 horas por las tardes de lunes a viernes.
Data d'inici	Tengo flexibilidad. Cuanto más temprano empiece y más tarde acabe, mejor.
Contracte / Conveni	Convenio de prácticas
Remuneració	La facultat especifica 6€/h
Escola	Universitat Pompeu Fabra
Profesor Tutor	Ninguno en este momento
Asociació	

FriquiFund: ayúdame a encontrar

Bona tarda Hugo,
Tinc una bona notícia, m'han enviat un correu del Basetis, per a informar-me que he sigut seleccionat per a fer les pràctiques i començo el 19 d'Octubre,
T'agraeixo tota l'ajuda que m'has brindat,
T'aniré informant de com em va tot.

id	1
FOUND	

Tema de Estudio *
○ MicroInformática (manteniment, instalacio, xarxes, recambi, ofimatica, programacio web)
○ Other:

Temas de interés del estudiante: *
Your answer

Información del Centro de Estudios

Nombre del Centro
Your answer

Profesor/a, Tutor/a, o Docente encargado/a de las prácticas (Nombre, Apellido, Email)
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Características de las Practicas que de Buscan

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Your answer

Describir el tipo de semanales/ diarias (jornada completa, 4 horas por la mañana, dos días por semana, etc.)
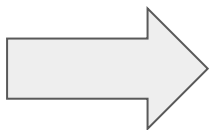Your answer

Fecha ideal y fecha límite de inicio de prácticas
Your answer

Tipo de Alta / Convenio / Seguro
Your answer

Remuneración Mínima

Tema pràctiques ➤ Inbox ☆

Jahanzeb Raja 18:51
to me ⌄

Bona tarda David,

Volia comentar-te que ahir em van contactar una de les empreses amb la qual vaig tenir una entrevista. M'han dit de començar a fer pràctiques amb ells!!! És aquella empresa que donava serveis de pagament (Worldline). M'han dit que començaria el dia 11.
Moltíssimes gràcies per tot David, sense tu és bastant probable que no hagués trobat aquestes pràctiques!!!

Atentament,
Jahanzeb

Escola	Universitat Pompeu Fabra
Profesor Tutor	Ninguno en este momento
Asociació	

New web to support comm's and recruiting efforts

FriquiFund

EFFORTS   MEMBERS   BLOG   JOINUS

Improvements pending: more detail on FF action and KPIs

Scale process for new members sign-up

Will incorporate 'friends of FF' in the near future, for external collaborators and future FFers

30k €
en ajudes a ONG

20
alumnes
mentoritzats

5
pràctiques
aconseguides

Meet our new members:

Ernest Artiaga
CTO at ALBORA
Barcelona

Carlos Garcia Marquez
Sr. Software Engineer at Onna
Vilafranca del Penedes

Marc Gratacós
Managing Partner at TradeHeader
Badalona

Winslow Robertson
PhD Candidate at IESE Business School
Barcelona

Léonce ANO
PhD Candidate in AI and decision-making
Barcelona

Juan Antonio Vega
People Analytics
Barcelona

Sergi Gomez
Co-Founder at Saivo
Barcelona

Stay up to date:

BLOG

Oct 2022 Robotics for girls successfully launched at Escola Auró in Terrassa *by Pau Agulló*

Oct 2022 Robotics for girls successfully launched at Escola Marinada in Montornés del Vallès *by Pau Agulló*

May 2022 Friquifund extends its support to Projecte Click, by Fundació IRES, in supporting young vulnerable geeks in Sant Marti *by Pau Agulló*

May 2022 Friquifund sponsors Scientia in bringing robotics-for-girls program in schools with vulnerable students *by Pau Agulló*

May 2022 Friquifund first collaboration with AEIRaval, supporting young vulnerable geeks *by Pau Agulló*

May 2022 Friquifund supports Migracode in training refugees and migrants in web development *by Pau Agulló*

Social media to facilitate comm's and recruiting efforts

Highlights:

- 165 followers in month 1

- ~90% BCN/CAT

- ~20% women (gap!)

But…

- ~50% are not members

- High potential for followers to become members

- Campaign to be launched and shared and liked

Potential for propagation via FF members

Pau Agulló • You
Entrepreneur
3w • 🌐

I am proud to belong to the Friquifund ('geek-fund'), an NGO that supports young vulnerable geeks in BCN (geek: anyone interested in STEM fields). We sponsor their studies and derived needs, as well as mentor them when entering the labor market.

One of our social investments aims at reducing gender gap by promoting robotics for girls in two high-complexity schools. It is a joy to hear first-hand that participants are thrilled with the challenge.

If you are an 'old geek' with a bond to BCN, please consider joining us. It is good karma, along with the DS/AI/tech community in BCN. We are on a mission!

For more info, reach out to me or check our site:
https://friquifund.org/

#gendergap #socialinclusion #roboticsforkids #roboticsforgirls

ff Friquifund
3w • 🌐

We are thrilled to announce that our robotics-for-girls program has been launched successfully at Escola Auró (Terrassa). Participants have taken the challenge head on and are claiming that they, too, 'can do things with PCs'. Go girls! #robotics

No data. Probably people I know (9.3k connections)

Discovery ❓

6,050
Impressions

~80% non-members. ~90% people I know

Engagements ❓

Reactions   105 →

Comments   6 →

Reposts   0 →

Top demographics of people reached ❓

Job titles ▾

Not easily respostable, but it could be (others in LT followed suit)

Data Scientist · 193

Professor · 99

Co-Founder · 93

Managing Director · 82

Software Engineer · 67

Representative sample of my network across dimensions
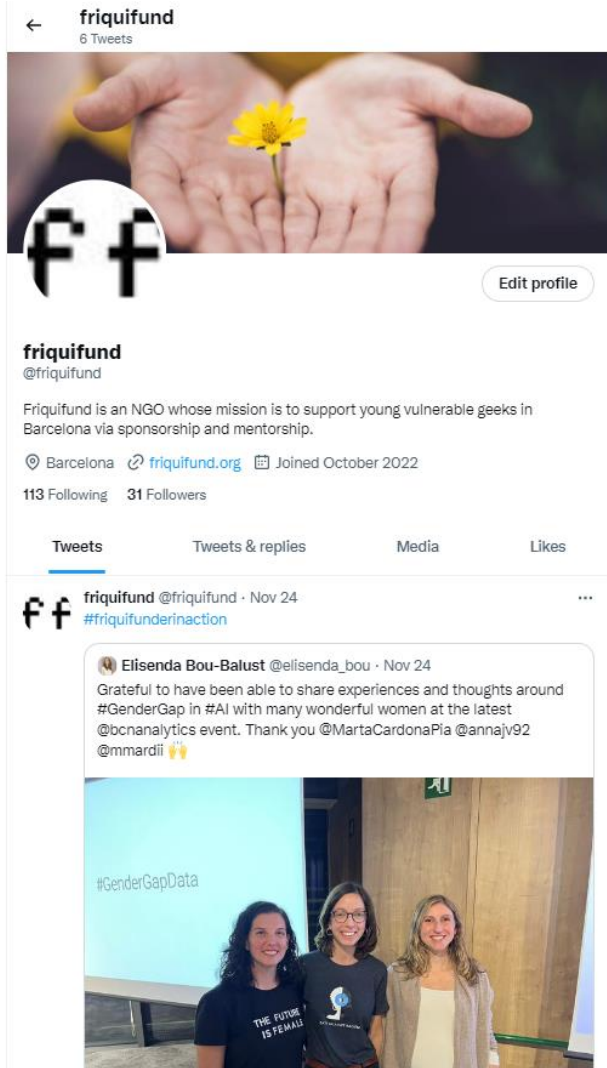
Social media to facilitate comm's and recruiting efforts

Lowlights:

- Only 31 followers :-(

So…

- Please follow us, especially FF celebrities
- Campaign to be launched and shared and liked

Presentations at events and meetings. Materials ready!

MIND THE GENDER GAP

CaixaBank

Friquifund
- **What we share with BCNAnalytics:** BCN, data & tech, social angle
- **Our mission:** support young vulnerable geeks (<STEM) early in their careers
- **Who we are:** data+AI+tech crowd, 130+ members w/ avg (<terrible) gender gap
- **What we do:** sponsorship and mentoring of young geeks
- **How we do it:** via specialized NGOs on the ground (4 programs now)
- **On gender gap:** robotics for 8-12yo girls in high-complexity schools

Friquifund, the social revolution of geeks

November 23rd, 2022

FriquiFund

Audience: Gender gap meetup

- ~120 people in BCN (20 remote)

- Big thanks to **Manuel Bruscas**!

Audience: Data&Analytics crowd at CXB

- 94 people in BCN and MAD

- Big thanks to **Mauricio Arnau**!

New Proposals

New member acquisition campaign for this winter

- **Context:** we plan the yearly budget in Jan-Feb. X-mas time is good for bonuses and new year resolutions :-) → big recruiting efforts at FF

- **Past success:** Last year we grew in Q1 from ~25 to ~90 (now 124)

- **Past limitations:** personal invitation only, from a limited number of members

- **New strategy:** share, like, etc. our winter new member campaign in Linkedin and Twitter. Requires less effort and can achieve more capillarity. Process is more 'automated' as traffic goes to our web

- **Old strategy stays:** invitation, presentations, like/shares of blog posts, etc.

- **Deeper funnel and wider reach:** add more non-member roles that can help and become members in the future (newsletter, follow on SM, externals)

Professional orientation: one-to-many light-touch mentoring
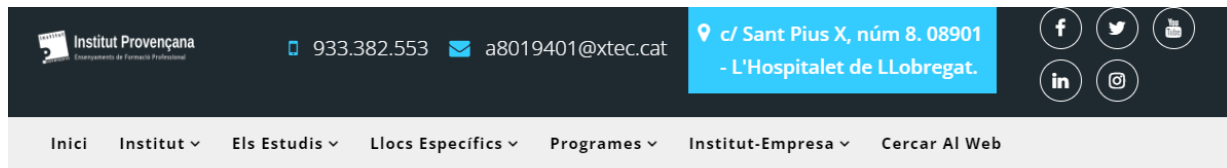
Concept:

- Create one deck w/ tech education, type of jobs, type of companies, skills required, etc. in BCN

- To be extended to STEM

Pilot:

- Next April in Institut Provençana

Scale:

- All tech high-schools do it and can be selected in underprivileged areas

- 1 hour session, 1 person

FF scholarships: proposal in progress

- **Concept:** grant one full scholarship to one student (for now) co-selected by FF

- **Economics:** education institution covers the full cost of the extra student

- **Benefits for edu:** social responsibility that can be communicated

- **Operations:** offer courses that are not booked out and ability to co-select student, to ensure adequacy

- **Benefits for FF:** extra education in our target population, for free. Can scale to more courses and more schools

- **Next steps:** make proposal

- **Challenges:** find good candidates

FF scholarships: two institutions awaiting

NUCLIO DIGITAL SCHOOL

Master in Data Science
This Master in Data Science will grant you the necessary skills to enter or specialize in the field of Big Data and Analytics, from the acquisition and integration of data, to the productivisation of mathematical models based on Artificial Intelligence and Machine Learning techniques.

Modality: Streaming
Duration: 17 weeks

Master in Digital Product Management
Learn the skills and techniques that every Product Manager needs to devise, create and manage a successful Digital Product.

Modality: Streaming
Duration: 20 weeks

Master in UX/UI Design
In just 16 weeks, you will learn how to manage the fundamentals of "User-Centered Design" learning how to do good research, establish digital product strategies, design the user experience and the interface and validate the design with real users.

Modality: Streaming
Duration: 16 weeks

Master in Digital Business Innovation
This program aims to technify experienced business leaders with a 360 vision of dominant processes and applications within the tech sector.

Modality: Streaming
Duration: 24 weeks (170 hrs) + 1 week on Campus

Master in Digital Marketing
In just 20 weeks, you will dive into a comprehensive curriculum with an intensive practical methodology necessary to become skilled in digital marketing and step into the industry.

Modality: Streaming
Duration: 20 weeks

Master in Blockchain co-created with Binance
Get a 360º view of the technology that is revolutionizing the planet.

Modality: Streaming
Duration: 20 weeks

AIFI
ARTIFICIAL INTELLIGENCE FINANCE INSTITUTE

ARTIFICIAL INTELLIGENCE IN FINANCE BOOTCAMP AUGUST 2022

This bootcamp covers the theory, implementation and use of Artificial Intelligence models in finance. Participants will learn the mathematical and statistical aspects of the modern quantitative analysis modeling. We will see machine learning models theory and practical implementations. We will provide AI python code and extensive materials.

Course Logistics

Artificial Intelligence in Finance Certificate

Online program: February 13th – February 24th 2023
40 Hours: Lectures + Practice + Speakers
Evaluation: Exam + Project. Certificate
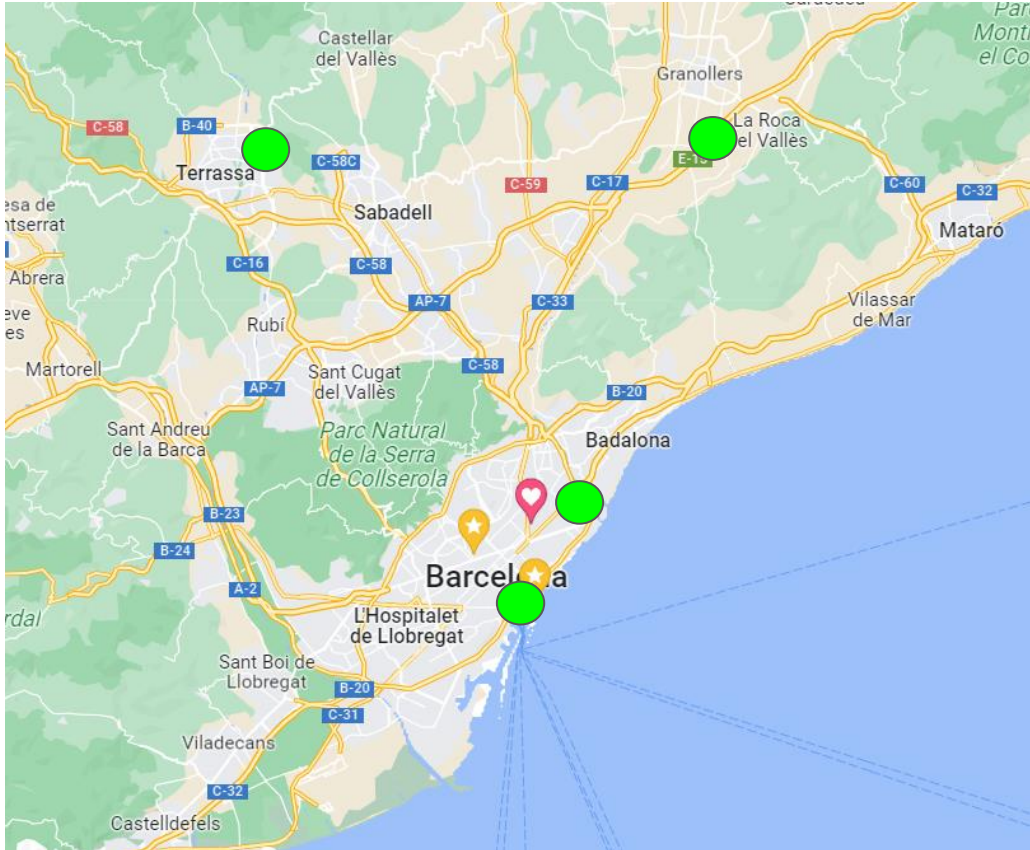**Course Fee**: $3.495 (30% until 16th December 2022
25% until 13th January 2023
15% until 15% until 3rd February 2023)

Ideal Candidates

· Quantitative Analysts

· Computer Scientists

· Risk Managers

· Traders

· Portfolio Managers

· Investment Managers

· Data scientists

NGO exploration never stops. Incomplete footprint

Proposals: two new rules for our Rulebook

<u>Online Vote</u>   *Status: [PROPOSAL]*

In this document an "online vote" refers to the following (unless otherwise stated): A link to an online voting form is **<u>sent by email</u>** to all the members. The online voting form remains open for **<u>10 days after the email is sent</u>**, then it is closed and no further votes can be taken.

<u>Director and Leadership Team</u>   *Status: [PROPOSAL]*

The leadership team (LT) consists of any number of members, one of which is designated as the director.

At any moment the LT team can decide (by unanimous vote within the LT) to add a member to the LT or to remove a member from the LT (except the director). At any moment any member of the LT (except the director) can choose to step down from the leadership team.

Once a year, before the 1st of November, the active LT will propose a LT (with a named director) for the following year and ask for alternative proposals of LTs. If the LT cannot agree (by simple majority) on a new LT proposal, the previous LT has to be proposed without changes. 20-30 days after the proposal an **online vote** will be held for leadership teams. The team obtaining the simple majority will be chosen as the new LT. In case of a tie, the vote will be repeated every week until a majority is obtained. The winning team has to be announced before the end of the year and will begin on the 1st of January of the following year.

Leadership Team Proposal for 2023

We propose to continue in 2023 with the same team:

- Hugo (director): general pushing, financials, outreach

- Pau leads recruiting, active in collaborations

- David leads mentoring

- Oleguer active in collaborations, operations

- Xavier active in recruiting

- Nat active in operations

- (Every one: strategy, discussions, decisions)

And continue adding new members as they become active…
(we already asked 2 new members, pending…)

Getting Involved

How can you be involved

1. You signed up, you paid your fee, so

   YOU ALREADY DID A LOT!!!

2. You want to be more involved and get more out of it?

   ○ Recruit two or more friends to the cause!

   ○ Email with your ideas or questions
   ○ Help with…

   - Friquifund Scholarships needs a leader (supported by Pau and LT)
   - Professional Orientation needs a leader (supported by Hugo, Pau and LT)
   - NGO exploration needs support: ideally, one NGO → one FF person

Special Thanks for…

- **Patrick Aloy** (collabs.): IRB donated 3 computers to Migracode

- **Albert Sagarra, Andreu Mayo** (web): New web with Blog and SignUp

- **Manuel Bruscas:** allowed mini-presentation at Gender Gap event

- **Mauricio Arnau:** proposed a presentation to the DS/D&A tribe at CXB

- All of our mentors.

(if we forgot you, please speak up! ;)

Thank you!

EXTRAS

Membership and Financials

	2019	2020	2021	2022	2023
Total Members	8	15	27	124	*200*
New Members	8	7	12	97	
Increase rate	-	188%	180%	359%	
(Total Female Members)	2	4	6	18	
%Female Members	25%	27%	22%	15%	
Year Budget	**4,000**	**4,700**	**5,198**	**27,060**	**~50K**
Previous Balance	0	500	1,498	2,405	
Collected	4,000	4,200	3,700	24,915	
Donated	**-3,500**	**-3,000**	**-3,000**	**-19,500**	**~50K**
Expenses	0	-202	-101	-420	
Tot. Spent	-3,500	-3,202	-3,101	-19,920	
EOY Balance	500	1,498	2,405	7,140	
% Spent (of available)	88%	68%	60%	74%	
% Donated (of spent)	100%	94%	97%	98%	
% Overhead	0.0%	6.3%	3.3%	2.1%	
Donated (cumulative)	**-3,500**	**-6,500**	**-9,500**	**-29,000**	

Typical Calendar

		2022												2023											
Month:		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Phase:				*Plenary*			*Plenary*					*Plenary*	*Plenary?*		*Plenary*			*Plenary*			*Plenary*				*Plenary*
Phase:		NGO Proposals	Decision Process		Donations Out										NGO Proposals			Decision Process		Donations Out					
Donations In (from members)																										
Donations most needed by NGOs																										