JOGL micro-grants
Round 2 Analysis (28th April 2020)

Submissions

Categories of submitted Projects

- Data Analysis/Modelling project
- PPE
- Medical Hardware Design/Adaptation
- Education
- Other Software
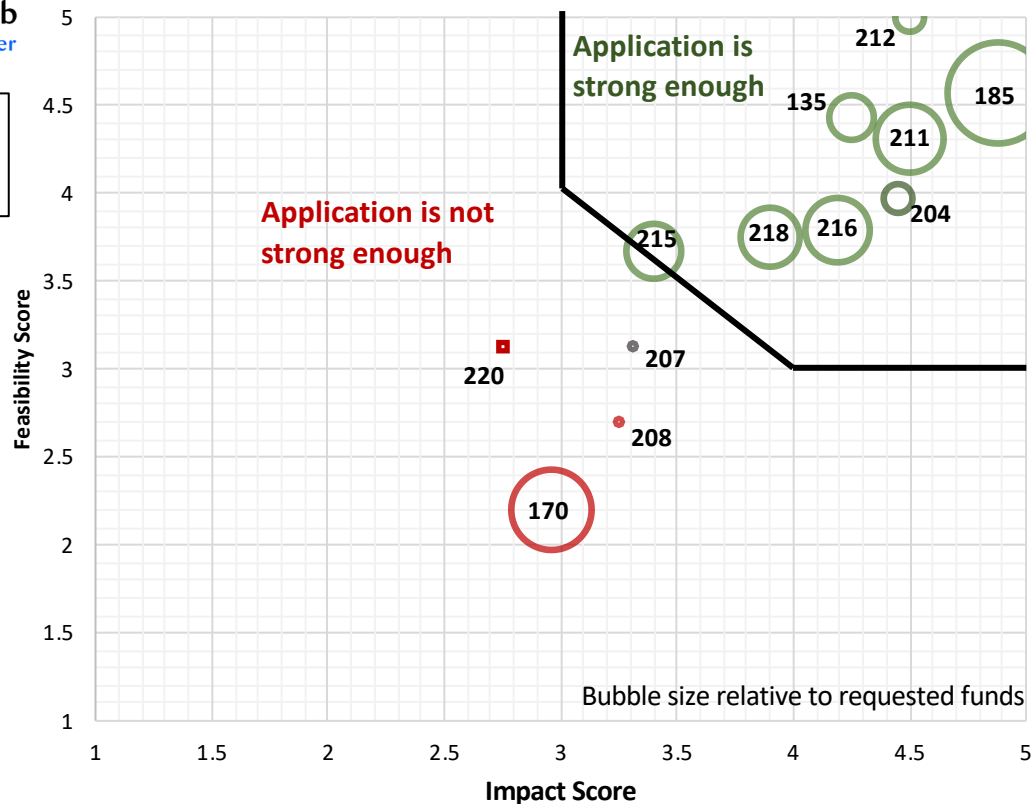- Diagnostic technology
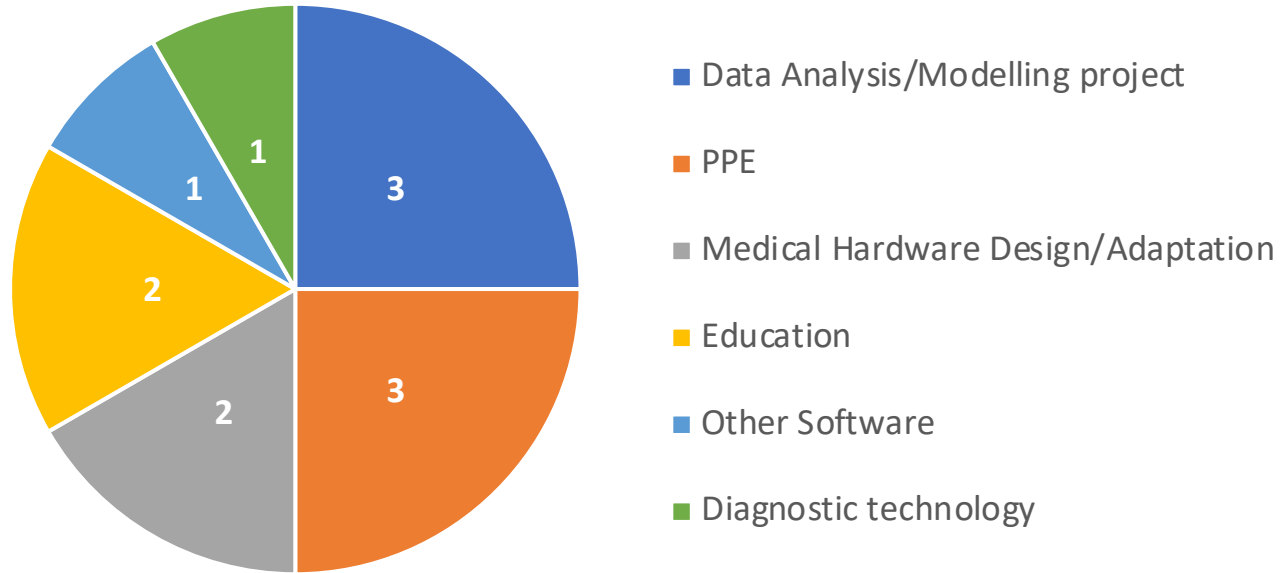
12 Projects were analysed by 47 reviews of 13 reviewers

Review Score Summary and Budget requests

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Requested Funding (Euros)	Peer Reviews
Basic Respirator	212	5	4.5	4.75	500	2
Low-Cost Syringe Pump	185	4.57	4.88	4.725	4,600	2
Quantified Flu	135	4.31	4.5	4.405	2200	5
DIYBio for RT-LAMP	211	4.43	4.25	4.34	1040	2
4Ply NWPP Mask	204	3.97	4.45	4.21	500	5
Global Free Webinars	216	3.79	4.19	3.99	2000	4
Encapsulating Mammoth Biosciences Test	218	3.75	3.9	3.825	1708	2
Supporting Students STEM	215	3.67	3.4	3.53	1500	5
PROFAPLA	207	3.13	3.31	3.22	0	7
Encode Health	208	2.7	3.25	2.975	0	2
Social Distancing Warps Perception	220	3.12	2.75	2.935	0	2
Risk Calculator vs COVID	170	2.2	2.96	2.58	3000	5

OPEN COVID19 initiative
WE CAN ALL CONTRIBUTE

Just One Giant Lab
learning & solving together

OpenCOVID19 – JOGL micro-grants Round 2 (28th April 2020)

Project Title	Project Number	Review Score
Basic Respirator	212	4.75
Low-Cost Syringe Pump	185	4.725
Quantified Flu	135	4.405
DIYBio for RT-LAMP	211	4.34
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Risk Calculator vs COVID	170	2.58

Application is strong enough

Application is not strong enough

Feasibility Score

Impact Score

Bubble size relative to requested funds

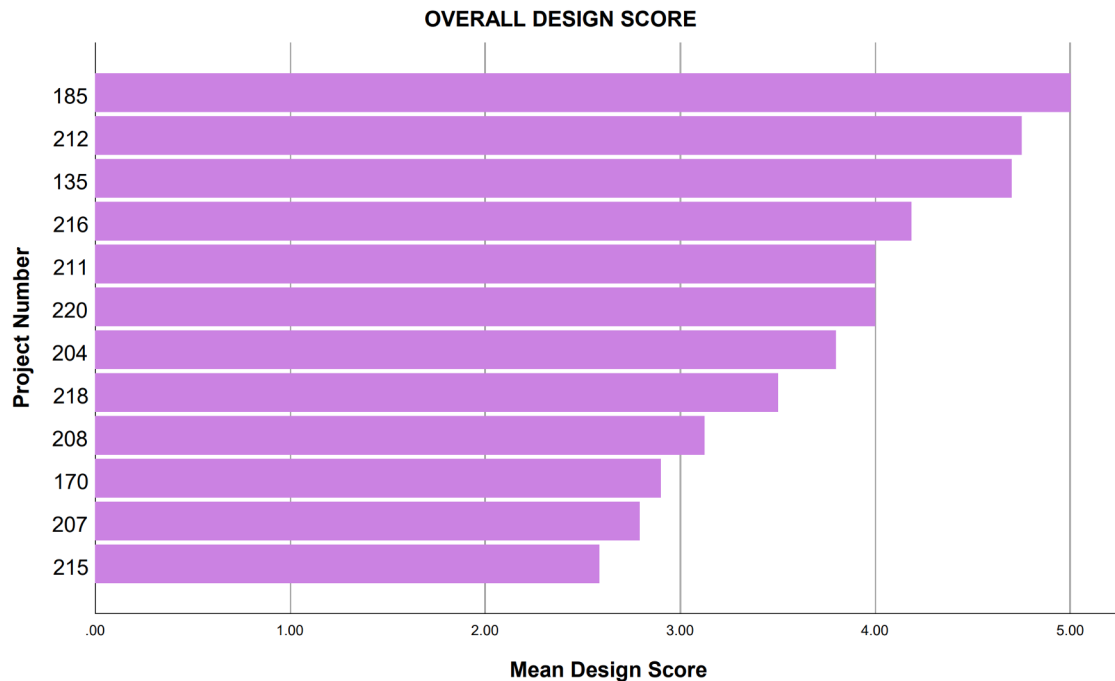## Congratulations to the High feasibility/Impact Projects in Green! JOGL will fund your project

Due to the high caliber of projects proposed this round, it was necessary to **exclude projects with an average proposal review score of below 3.5 from funding.** Projects that didn't achieve a high score this round are invited to apply again! And keep working! **Greyed out project budgets were not R&D focussed enough**.

Design

OVERALL DESIGN SCORE

Timeline

PROJECT TIMELINE- LIKELIHOOD OF COMPLETION WITHIN 3 MONTHS

Mean Project Timeline: How achievable is this project within 3 months?

Key
135- Quantified Flu
170- Risk Calculator vs COVID
185- Low-Cost Syringe Pump
204- 4Ply NWPP
 Mask
207- PROFAPLA
208- Encode Health
211- DIYBio for RT-LAMP
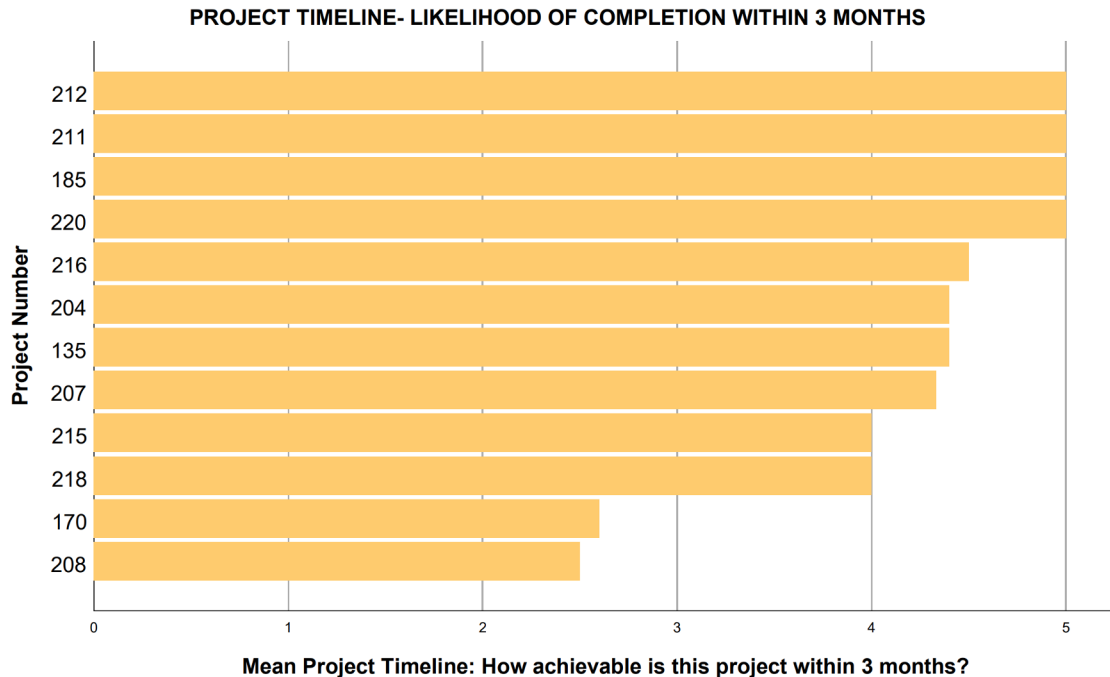212- Basic Respirator
215- Supporting Students STEM
216- Global Free Webinars
218- Encapsulating Mammoth Biosciences Test
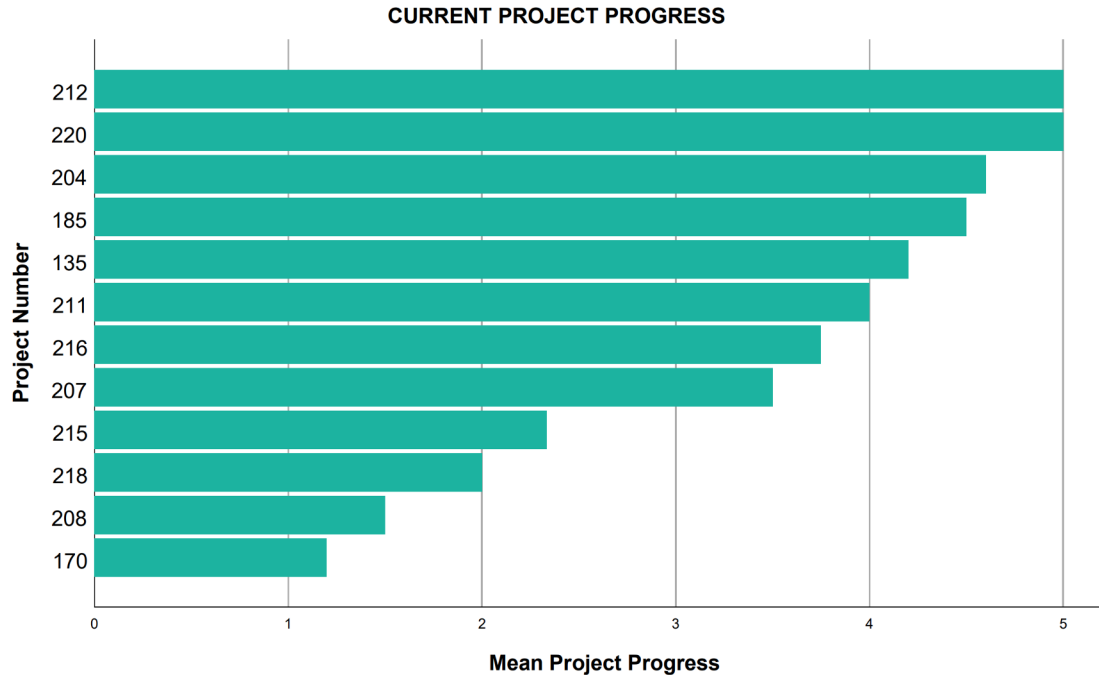220- Social Distancing Warps Perception

Progress

CURRENT PROJECT PROGRESS

Key
135- Quantified Flu
170- Risk Calculator vs COVID
185- Low-Cost Syringe Pump
204- 4Ply NWPP
 Mask
207- PROFAPLA
208- Encode Health
211- DIYBio for RT-LAMP
212- Basic Respirator
215- Supporting Students STEM
216- Global Free Webinars
218- Encapsulating Mammoth Biosciences Test
220- Social Distancing Warps Perception

Clarity

CLARITY OF TIMELINE AND PROJECT PROPOSAL

Originality

PROJECT ORIGINALITY

Key

135- Quantified Flu
170- Risk Calculator vs COVID
185- Low-Cost Syringe Pump
204- 4Ply NWPP
  Mask
207- PROFAPLA
208- Encode Health
211- DIYBio for RT-LAMP
212- Basic Respirator
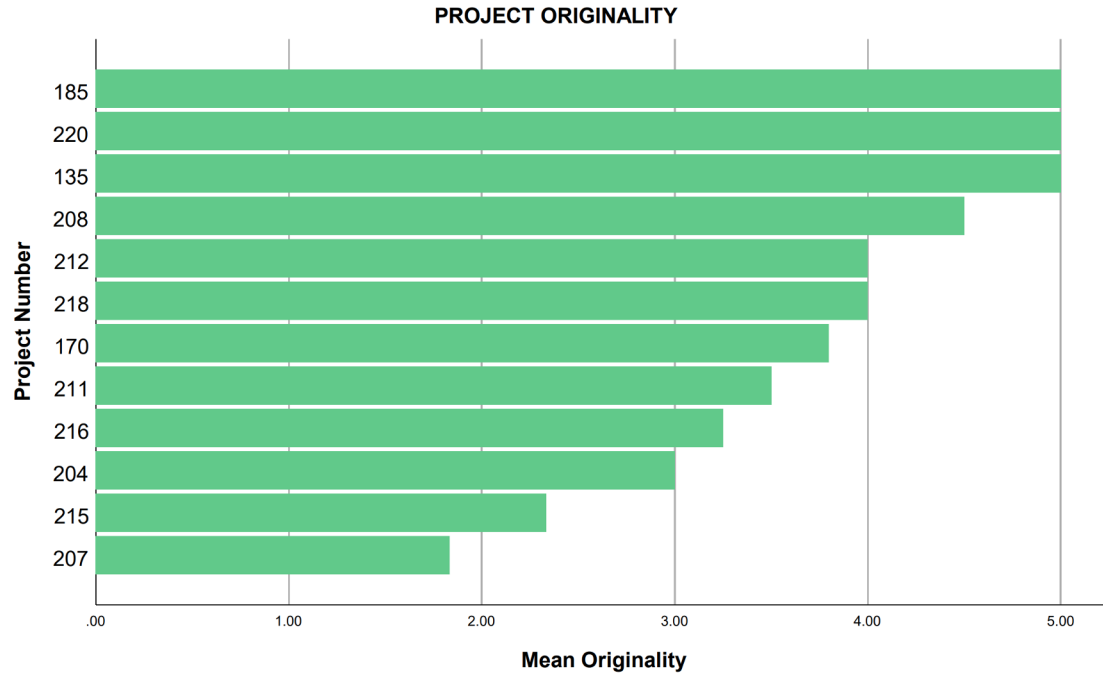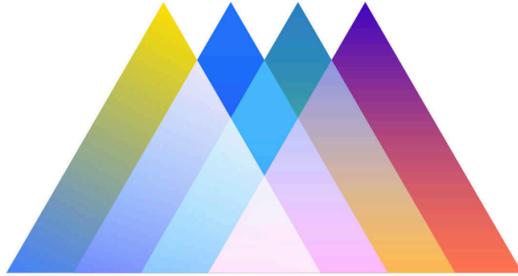215- Supporting Students STEM
216- Global Free Webinars
218- Encapsulating Mammoth Biosciences Test
220- Social Distancing Warps Perception

Risk Calculator VS COVID-19

#Savedoctors

An algorithm that calculates the probability of infection occurrence on medical personal based on their activities and rotates with others.

Created on: March 31, 2020

by Anteneh Gashaw

Participating to challenge: Covid19 Diagnostic and Detection, Covid19 Prevention, Data analysis and simulation

SDG's:

Skills:

big data

3 Followers   **3** Members

Follow project   Join project   👏 1

Share

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
Risk Calculator vs COVID	170	2.2	2.96	2.58	6.512	3000

Social Distancing Warps Perception and Biases Cognition

#BrainonSocialDistancing

A drastic decrease in the number of experienced events, due to social distancing, may bias our thoughts and warp our perception of time.

Created on: April 19, 2020

by Kathryn Graves

SDG's:

Skills:

Big datum   Surveying   Data analysis

Cognitive science

1 Follower   **1** Member

Follow project   Join project   Requested Funding

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	(Euros)
Social Distancing Warps Perception	220	3.12	2.75	2.935	8.58	0

Encode Healthcare Passport

We us mobile cameras for capturing identity information and COVID-19 test kit information into the Encode Healthcare Passport.

Created on: April 15, 2020

by Cos Fantis

Participating to challenge: Covid19 Diagnostic and Detection, Data analysis and simulation

SDG's:

Skills:

Web development   Big datum   Healthcare strategy

Iomt   Javascript   Datascience

Show More

2 Followers   **1** Member

Follow project   Join project   2

Share

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
Encode Health	208	2.7	3.25	2.975	8.775	0

Supporting out-of-school students with STEM education

#VoltSchool

Digital platform to support STEM learning for students in West Africa who are out of school due to the COVID-19 pandemic.

Created on: April 18, 2020

by Obasegun Ayodele

Participating to challenge: Covid19 Prevention

SDG's:

4 QUALITY EDUCATION

Skills:
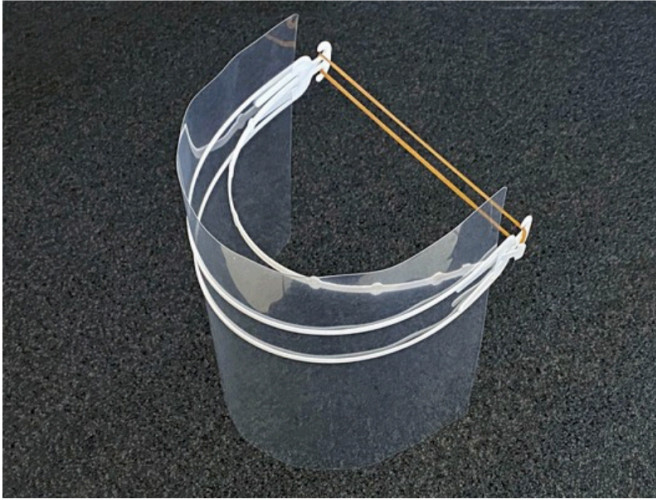
Web development   Graphic design   Fullstack

Software solution architecture   Social media marketing

Project management skill

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Requested Funding (Euros)
Supporting Students STEM	215	3.67	3.4	3.53	1500

PROFAPLA

#phoenixequipement

PROFAPLA is a support for a facial protection's flexible screen, quicker and cheaper to 3d print: only 13 minutes and 5 grams.

Created on: April 15, 2020

by Phoenix Equipement

Participating to challenge: Evaluation and Validation of Open Source Solutions, Covid19 Prevention

SDG's:

Skills:

3d concept   3dprinting

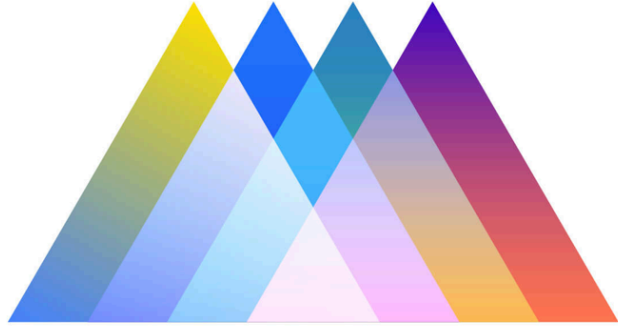**1** Follower   **2** Members

Follow project   Join project   👏 1

Share

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
PROFAPLA	207	3.13	3.31	3.22	10.3603	None supplied

Encapsulating the Mammoth Biosciences Test in E. coli

Our goal is to create an open source and financially accessible variant of the Mammoth Biosciences SARS-Cov-II testing protocol.

Created on: April 19, 2020

by Sophie Liu

Participating to challenge: Covid19 Diagnostic and Detection

SDG's:

3 GOOD HEALTH AND WELL-BEING

10 REDUCED INEQUALITIES

Skills:

Microbiology   Cloning   Sterile technqiue

6 Followers   **4** Members

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Requested Funding (Euros)
Encapsulating Mammoth Biosciences Test	218	3.75	3.9	3.825	1078

Global Free Webinars for Students

#studentwebinars

We'd like to help students all over the world understand what viruses are, why/how they make us sick and how we can fight them.

Created on: April 18, 2020

by Eugenia Covernton

SDG's:

Skills:

Education   Teaching   Webinar management

Science communication   Online education   Science
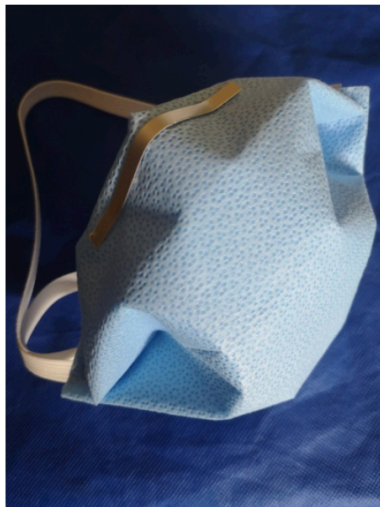
5 Followers   **6** Members

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Requested Funding (Euros)
Global Free Webinars	216	3.79	4.19	3.99	2000

4ply NWPP Face Mask made from a single sterilization wrap

#4plyNWPPmask

A very easy to make, no-sew 4ply NWPP face mask made from a single 15" by 15" sterilization wrap

Created on: April 14, 2020

by Angela Peebles

Participating to challenge: Covid19 Prevention

SDG's:

Show More

Skills:

testing strategy   Manufacturing start-up   Distribution

Material   Networking strategy

Productivity improvement

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Requested Funding (Euros)
4Ply NWPP Mask	204	3.97	4.45	4.21	500

Using DIYBio tools to improve RT-LAMP Protocols

#DIYBiovsCovid19

A project to test DIY hardware which could enhance quality, user-friendliness, reliability, and reproducibility of RT-LAMP protocols.

Created on: April 15, 2020

by Antonio Lamb

Participating to challenge: Evaluation and Validation of Open Source Solutions

SDG's:

Show More

Skills:

Biochemistry   Bioinformatic   Molecular biology

Hardware hacking   Carpentry

2 Followers   **2** Members

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
DIYBio for RT-LAMP	211	4.43	4.25	4.34	18.8275	1040

Quantified Flu

Heart rate changes before & after falling sick

Color points: Nightly 5 minute interval heart rate measurements | Black points: Average heart rate during sleep(s) | Red vertical line: date of falling sick

#QuantifiedFlu

Can physiological parameters tracked by our wearables predict when we're getting sick? We're building a citizen science project for this!
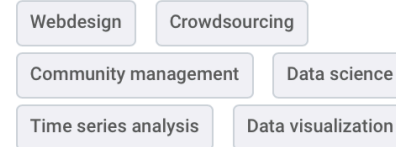
Created on: March 19, 2020

by Mad Ball, Bastian Greshake Tzovaras

Participating to challenge: Covid19 Diagnostic and Detection, Data analysis and simulation

SDG's:

Skills:

Webdesign   Crowdsourcing

Community management   Data science

Time series analysis   Data visualization

Show More

12 Followers   **13** Members

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
Quantified Flu	135	4.31	4.5	4.405	19.395	2200

Open-Source Low-Cost Syringe Pump adapted to hospital uses
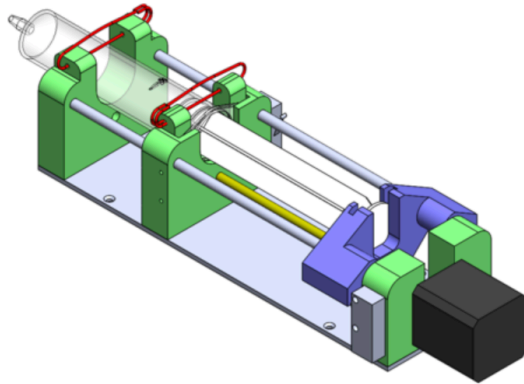
#OpenSyringePump

Hospitals are lacking Syringe pumps to treat patients. We are developing an open source design to be tested and validated by the APHP teams

Created on: April 04, 2020

by Chiu Chau, Chetan Kumar Velumurugan, Peter Kooren, arthur wolf, Jean-Charles Luisada, Thomas Landrain

Participating to challenge: Evaluation and Validation of Open Source Solutions, Covid19 - Treatments and Therapeutics

SDG's:

Skills:

| Arduino | 3d printing | Raspberry pi | Syringe |

15 Followers **21** Members

Follow project   Join project   ✋ 1

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
Low-Cost Syringe Pump	185	4.57	4.88	4.725	22.3016	4,600

Basic Respirator

#BasicRespirator

A low cost, disposable, flexible and custom-fit N95 respirator folded from Tyvek™ and designed for emergency use.

Created on: April 16, 2020

by Hunter Futo

Participating to challenge: Evaluation and Validation of Open Source Solutions, Covid19 Prevention

SDG's:

Show More

Skills:

Clinical validation   Medical worker   Medical expert

Medical device development   Air filtration   3dprinting

Show More

2 Followers   **1** Member

Project Title	Project Number	Feasibility Average	Impact Average	Review Score	Feasibility*Impact	Requested Funding (Euros)
Basic Respirator	212	5	4.5	4.75	22.5	500

Review Summary

- Round 2 of the OPENCovid Grant application had many high calibre projects!

- Another 7 projects have been funded around 15000 euros!

- The budgeting needs to be made more clear as an essential spend necessary for the projects basic needs, this is to reflect the small amount JOGL can give. We are contacting teams to ensure this is kept.

- Reviewing is more successful if the applicants are allocated projects or asked to review projects as part of the application process. This was tested partially this round, and honed next round.

- We need review feedback! Contact Chris LB Graham and Elliot Lawton for this feedback