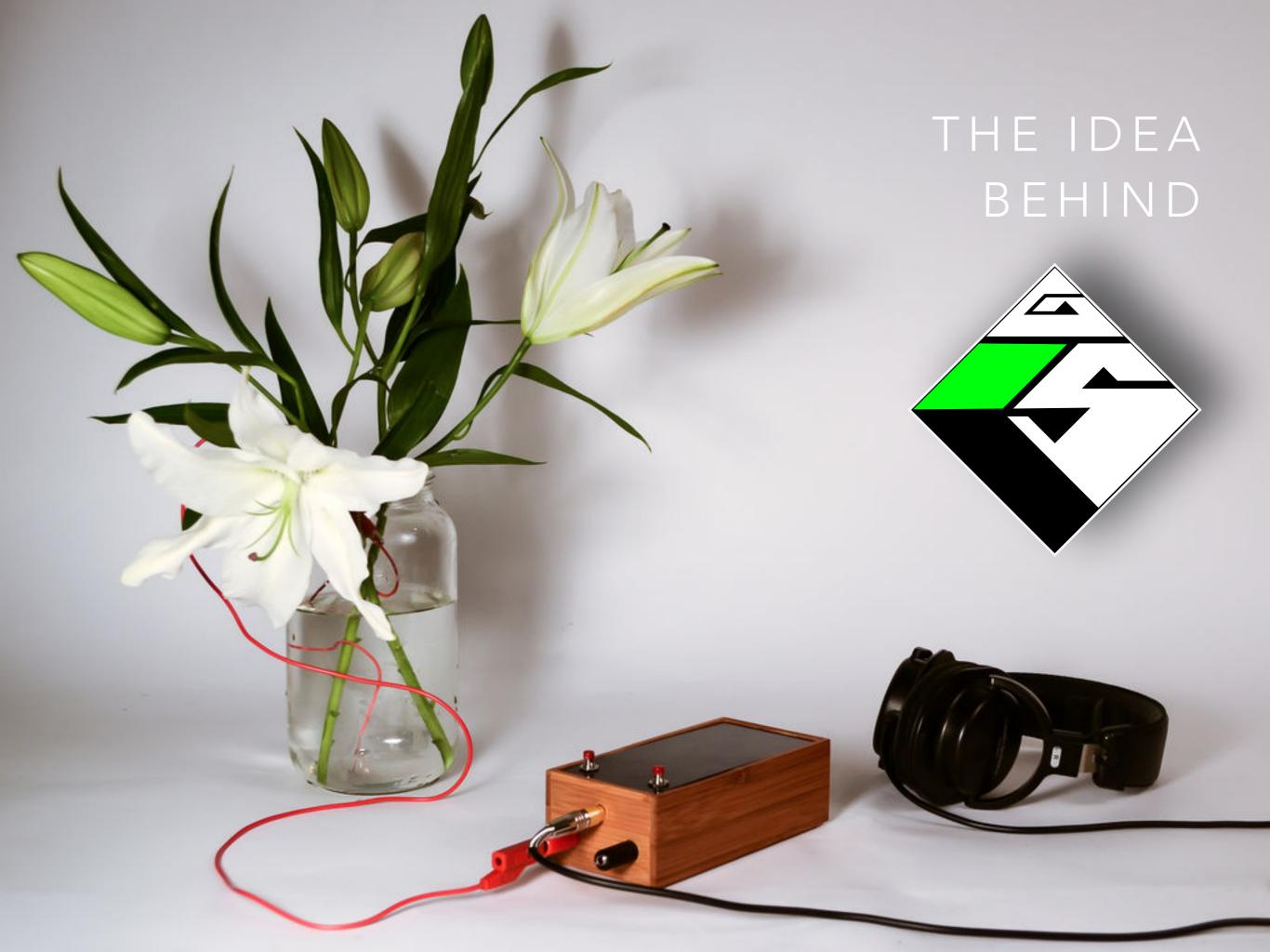
PC-GO

EXPERIMENTAL PROJECT OF

AUTOGENERATED MUSIC BY VEGETAL LIVING SYSTEMS







OF COURSE, WE ARE NOT THE FIRST ONES...

SO FAR MANY HAVE TEMPTED



MUSICA FRATTALE E AUTOGENERATIVA

MUSIC OF THE PLANTS - HOW IT WORKS

http://www.marcostefanelli.com

MEET THE SONIC ARTIST MAKING
MUSIC WITH PLANTS: SOUND BUILDERS

https://goo.gl/WDjKvT

ELECTRICAL EXPERIMENTS WITH PLANTS THAT COUNT AND COMMUNICATE | GREG GAGE

https://goo.gl/UXPbQH

https://goo.gl/2regc7





WE ARE PROUD TO PRESENT YOU....



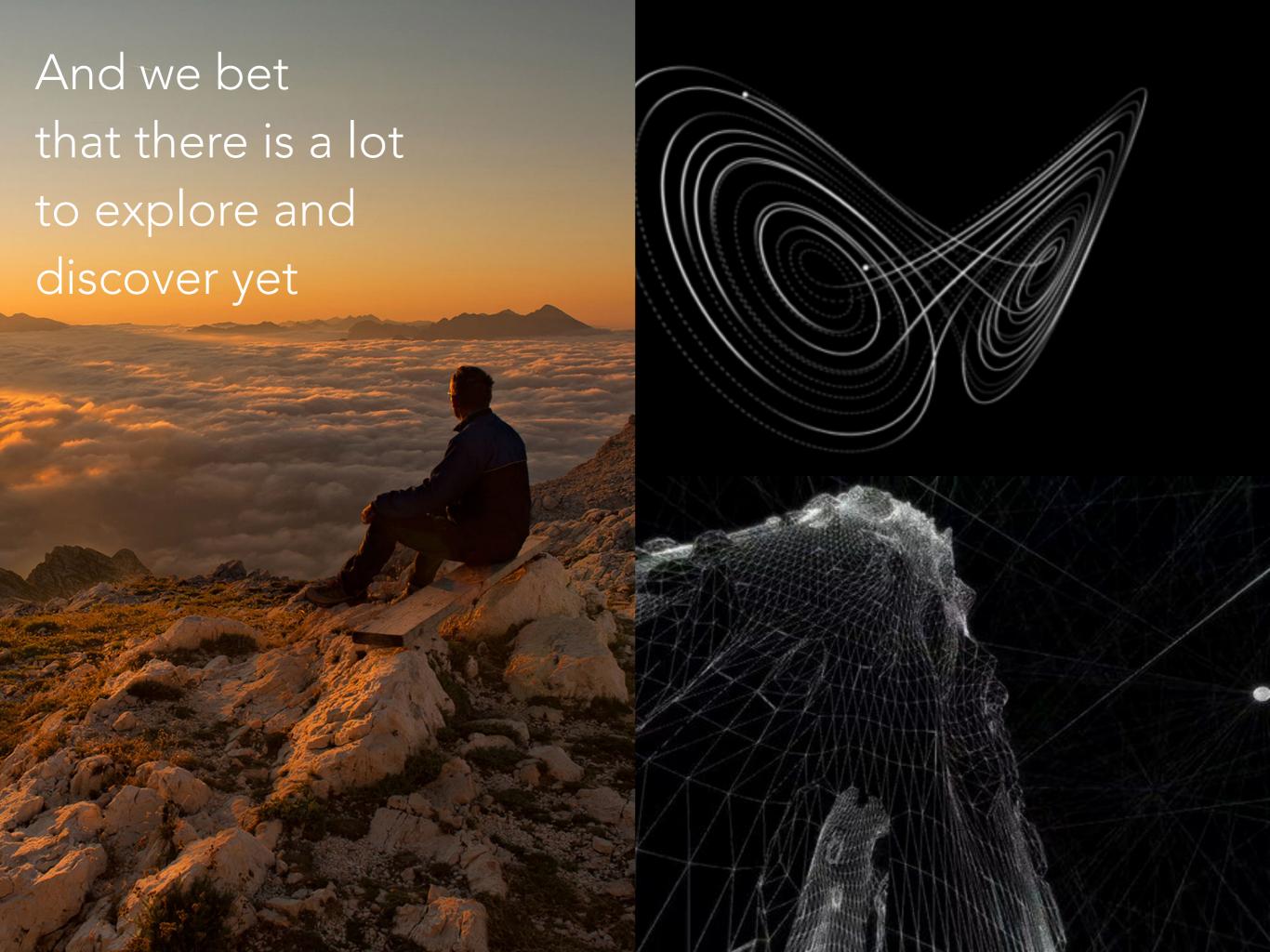
THE GREENSOUND SYSTEM 1.0

FEATURES

ANALOG CONTROL OF 5
PROPERTIES FOR THE GENERATED
MIDI SEQUENCES:

- SENSITIVITY
- PITCH
- MIDI VELOCITY
- NOTE DELAY
- NOTE SUSTAIN





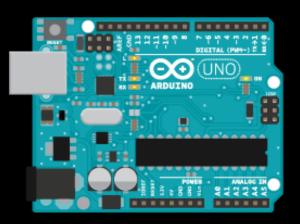
THE AIM OF THE PROJECT

USING THE LATEST HARDWARE AND SOFTWARE INSTRUMENTS...

- MAX/MSP
- PRO TOOLS
- Arduino
- Processing
- Ableton Live









WE WANT TO:

GENERATE CLASSIFY RE-ELABORATE

<u>AUTOGENERATED MUSIC</u> FROM DIFFERENT KIND OF VEGETAL "LIVING SYSTEMS"

WHAT WE SEEK FOR:

- A RELEVANT AND REPRESENTATIVE REFERENCE SAMPLE TAXONOMICALLY ORDERED FOR COMPARISONS
- THE AVAILABILITY TO LEAVE THE PLANTS FOR A PERIOD OF MINIMUM TWO MONTHS FOR DATA ACQUIRING AND MONITORING
- PASSIONATE AND SKILFUL PERSONS WHO WANT TO JOIN THE ADVENTURE AND CONTRIBUTE TO THE RESEARCH IN ANY WAY

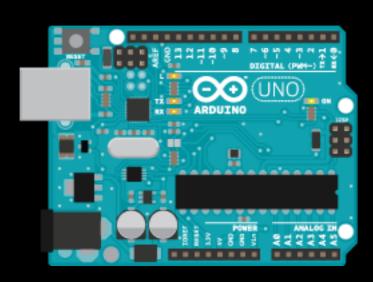
WHAT WE OFFER:

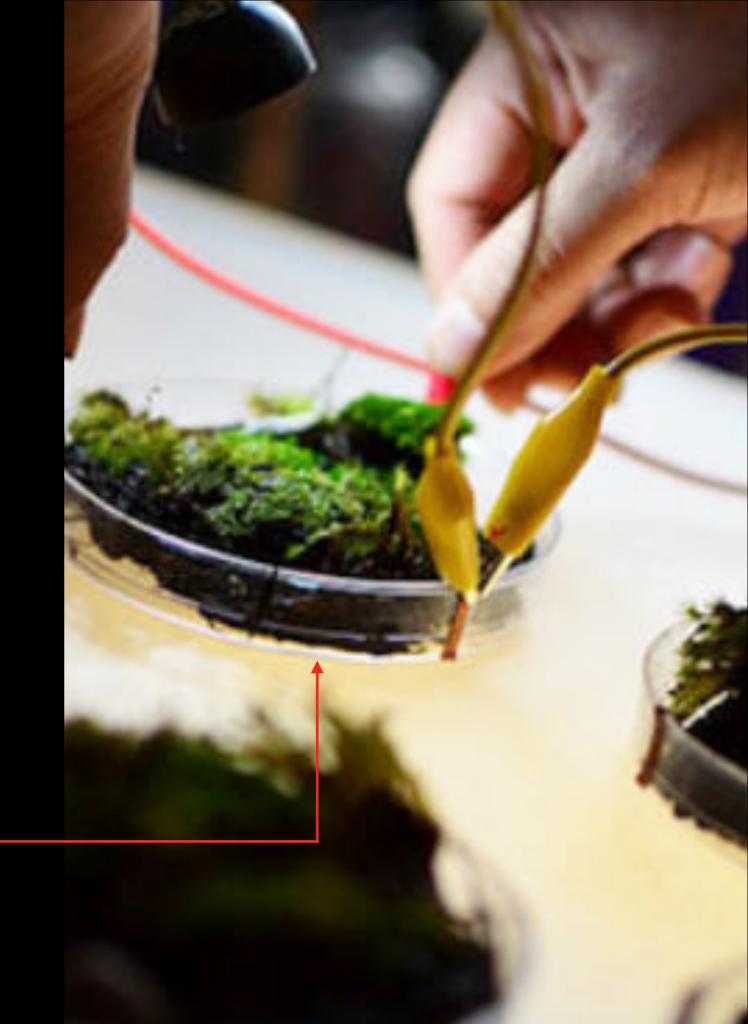
- MAXIMUM RESONANCE (INTERNATIONAL LEVEL)
 AND CROSS-CROSS-DISCIPLINE APPLICATIONS
- STANDS AND VISIBILITY FOR THE MAKER FAIRE 2019
- THE POSSIBILITY TO EXTEND THE PROCESS IN OTHER ACADEMIC FIELDS (COMPUTER SCIENCE, DESIGN, MODERN ARTS, MARKETING ETC.)



PROJECT SCHEME:

WE CONNECTED THE PLANTS TO THE ANALOG INPUT OF A SIMPLE ARDUINO (THE ENTIRE PROJECT IS OPENSOURCE AND FREE TO DOWNLOAD ONLINE - WE JUST ASK TO MENTION OUR WORK, PLEASE)

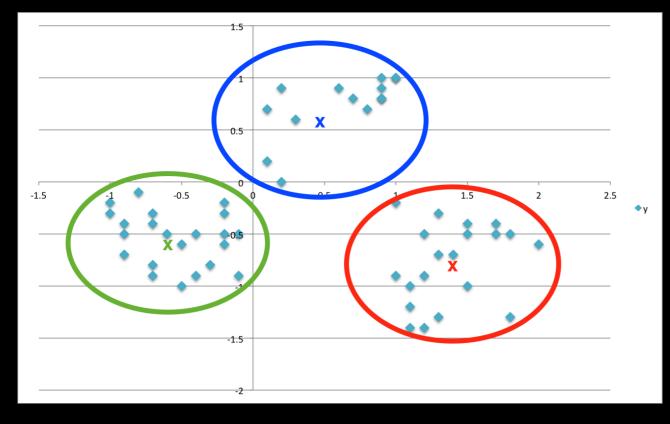


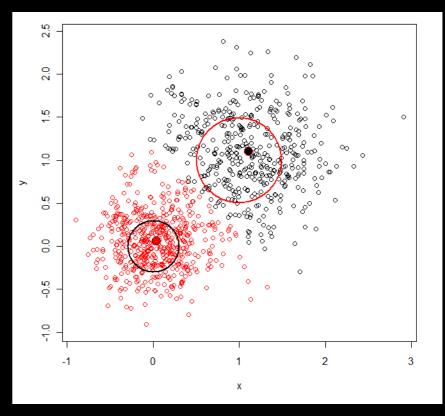


SO NOW WHAT?

RECEIVED DATA FROM PLANT MUST BE CATALOGATE AND FREELY DISTRIBUTE ONLINE TO WHOM WHO WANT TO USE IT FOR ITS EXPERIMENTATIONS (RESEARCH CENTRES ETC)

EVERY PLANT HAS HIS UNIQUE PATTERN AND MANY TECHNIQUES ON DATASET COULD BE USED TO INFER PROPERTIES AND CIRCUMSTANCES RELATED TO PLANT STATUS AND LIFE (CLUSTERING ALGORITHMS, MATCHING, CORRELATIONS, MACHINE LEARNING ETC.)





- 1- Stefano Mancuso Brilliant Green: The Surprising History and Science of Plant Intelligence
- 2 Update on the Effects of Sound Wave on Plants Md.Emran Khan Chowdhury, Hyoun-Sub Lim and Hanhong Bae
- 3- Update on the Effects of Sound Wave on Plants Md. Emran Khan Chowdhury, Hyoun-Sub Lim and Hanhong Bae
- 4- Plants respond to leaf vibrations caused by insect herbivore chewing H. M. Appel & R. B. Cocroft –
 Oecologia, August 2014, Volume 175, Issue 4, pp 1257–1266
- 5- Peter Tompkins & Christopher Bird "The secret life of plants"
- 6- Silvia Buffagni "The music of the plants"
- 7- Paco Calvo The Philosophy of Plant Neurobiology: A Manifesto
- 8- Ian T. Baldwin & Jack C. Schultz "Rapid changes in tree leaf chemistry induced by damage: evidence for communication between plants"
- 9- Stefano Mancuso Brilliant Green: The Surprising History and Science of Plant Intelligence