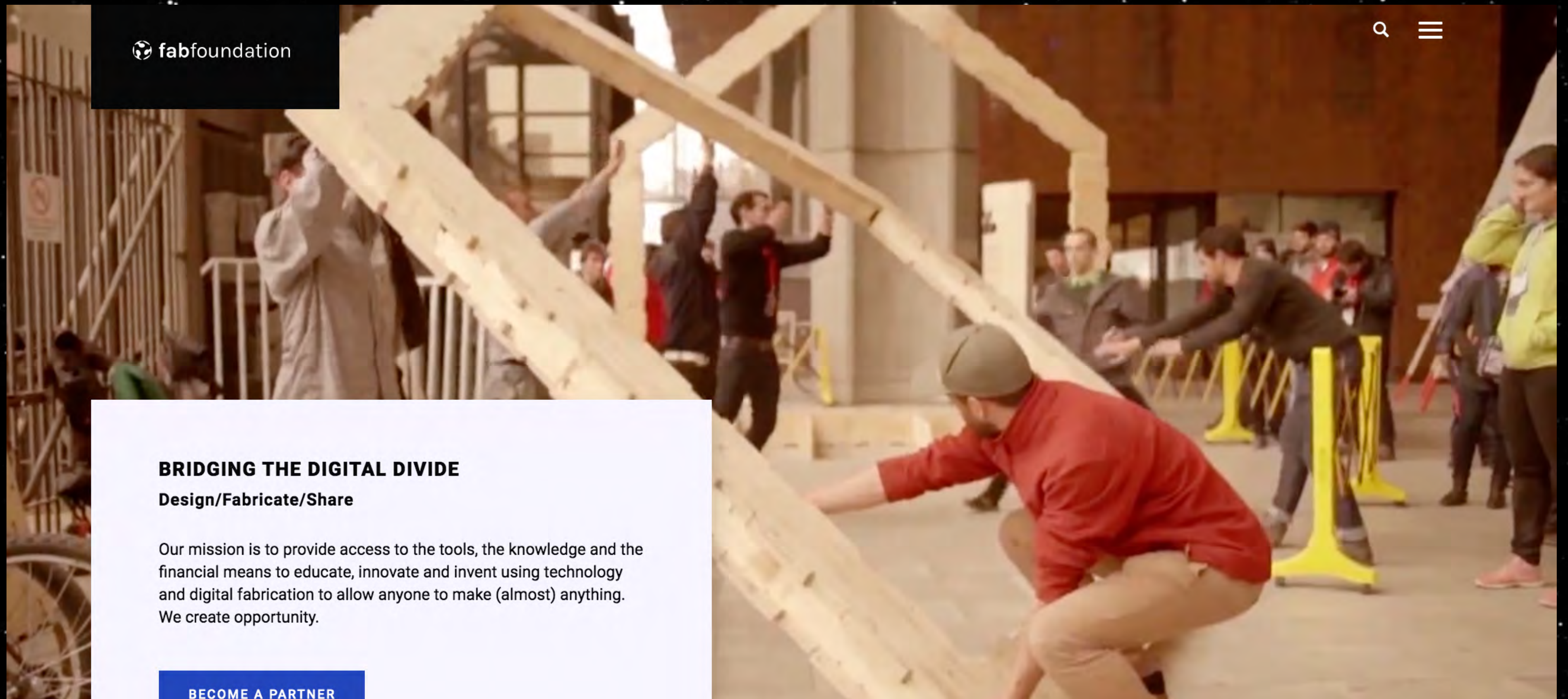
fabfoundation



BRIDGING THE DIGITAL DIVIDE

Design/Fabricate/Share

Our mission is to provide access to the tools, the knowledge and the financial means to educate, innovate and invent using technology and digital fabrication to allow anyone to make (almost) anything. We create opportunity.

[BECOME A PARTNER](#)



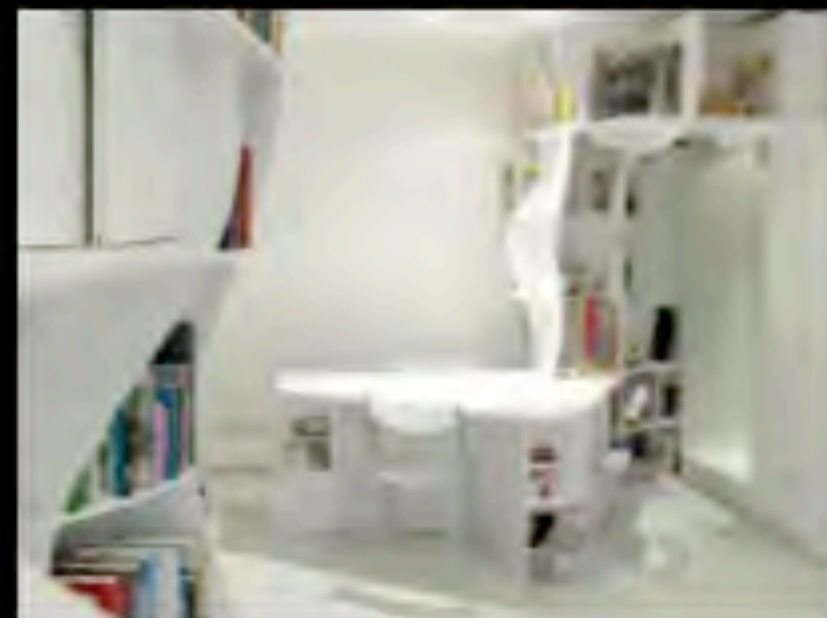
Fab Foundation Mission and Work:
.edu, .org, .com

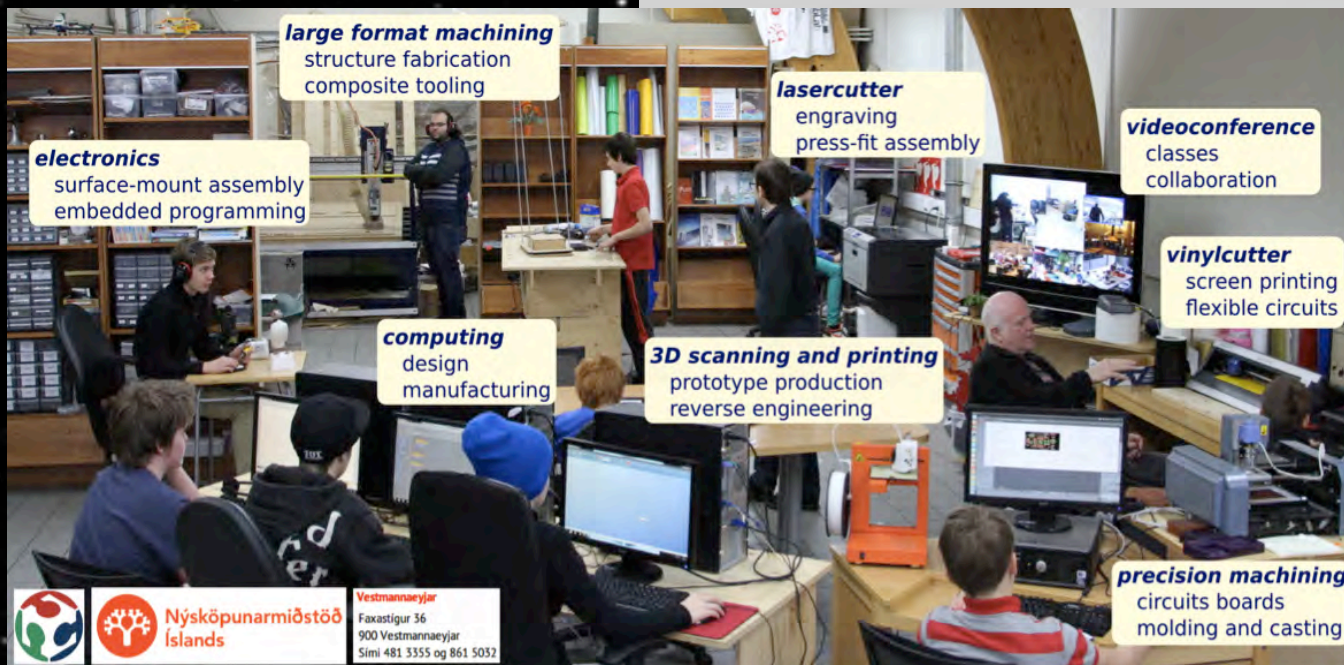
How to Make (almost) Anything

Date	Subject
9/10	Design Tools, Input Devices
9/24	Machining
10/1	3D Printing, NC machining
10/15	Laser, Water Jet, NC Knife Cutting
10/22	Materials and Finishes
10/29	Forming and Molding
11/5	Basic Electronics
11/12	ECAD
11/19	Sensor Technology
11/26	Programmable Logic
12/3	Microcontrollers
12/10	Wired & Wireless Communications



Neil Gershenfeld
Director
Center for
Bits & Atoms
MIT





~2000 Labs in 126+ Countries
<https://www.fablabs.io/labs/map>



principles and applications of digital fabrication

FAB ACADEMY
 What is Fab Academy Sites
 Fab Labs in the world
 Methodology
 Previous experiences

PROGRAMS
 Options
 Certificates
 Academic Calendar
 Faculty

APPLICATION
 Form
 Prices
 Scholarships
 Contact

EVENTS
 Projects
 Workshops
 Meetings

NEWS
 Press
 Subscribe
 Photogallery
 Videogallery

Fab Academy Learning Management System
 by Moodle

Fab Academy Launching. Open for application

Principles and applications of digital fabrication..

The Fab Lab Network is announcing the launching of the Fab Academy educational program, starting on **September 2009**.

The Fab Academy provides instruction and supervises investigation od mechanisms, applications, and implications of digital fabrication. It is a distributed campus, offering advanced technical education to people who can't access this kind of education due to price, age, qualifications, quality, or location. [More info](#)



HOW WE WORK

- Your partners are around the world
- Classes through videoconference
- Innovation and digital fabrication:
pen-cut, CAD/CAM, TCP/IP, scanning and moking...

FAB ACADEMY SITES

- Fab Lab Barcelona
- Fab Lab Amsterdam
- Fab Lab Norway
- Fab Lab Ohio
- Fab Lab India
- Fab Lab Iceland
- Fab Lab Kenya

VIDEOGALLERY


PHOTOGALLERY

NEWS

EVENTS AGENDA



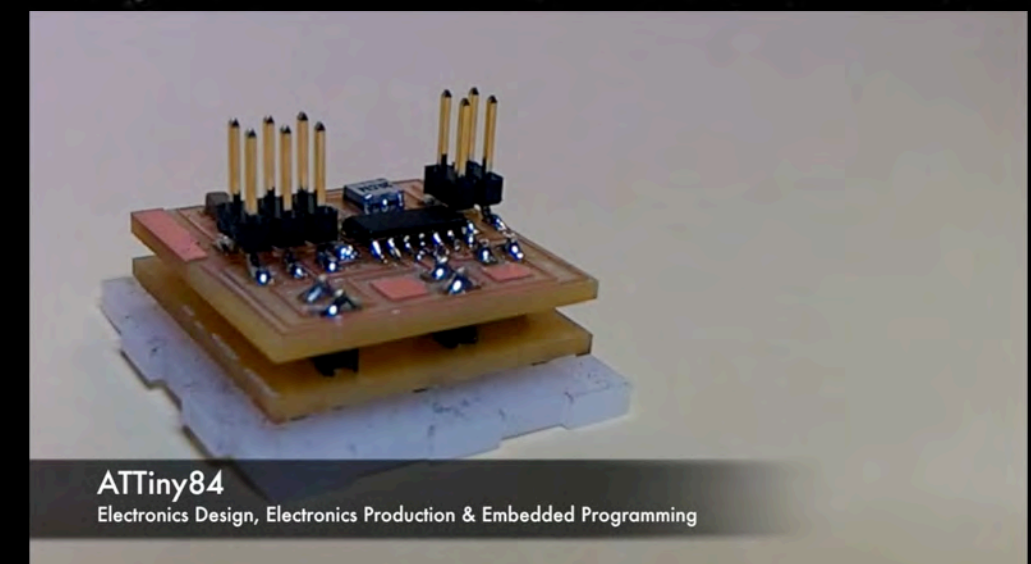
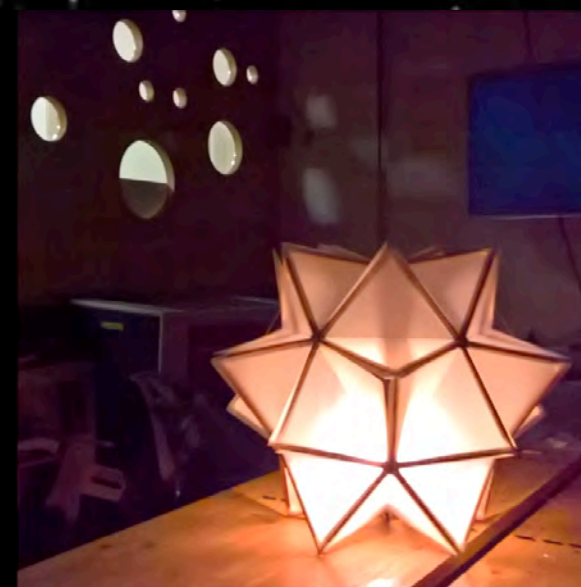
Fab Economy Job Board

The **Fab Lab Network** collects some of the greatest talents around the globe.
 Post your job offers here to recruit smart people that can make a difference for your projects.

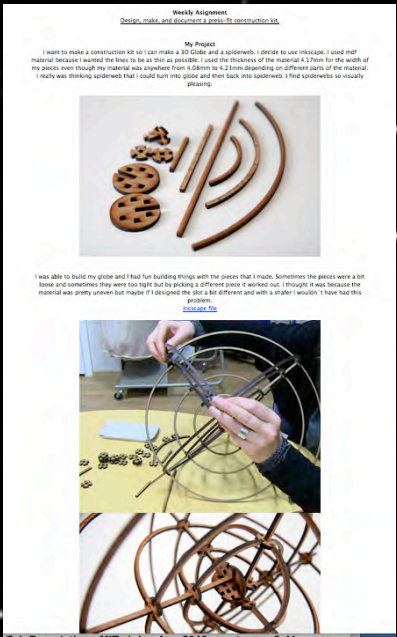
FULL TIME	Digital Fabrication Manager Open Works	Baltimore, Maryland, United States	Jun 6th 2016
FULL TIME	Marketing Communications Manager Fab Foundation	Boston, Massachusetts, United States	Jun 3rd 2016
FULL TIME	Electronic Engineer Riddle & Code		Jun 2nd 2016
FULL TIME	Academic program coordinator Fablab Saigon	Ho Chi Minh City, Ho Chi Minh, Vietnam	May 26th 2016
INTERNSHIP	Facilitateur FabLab zBis	Montaigu, Pays de la Loire, France	May 20th 2016
PART TIME	Social Media Evaluator - EN-US Appen		May 10th 2016
CONTRACT	Rescue Technology Lab Senior Hardware Engineer & Program Manager	Istanbul, Istanbul, Turkey	May 9th 2016

I'M LOOKING FOR:
 job kind, tags, area

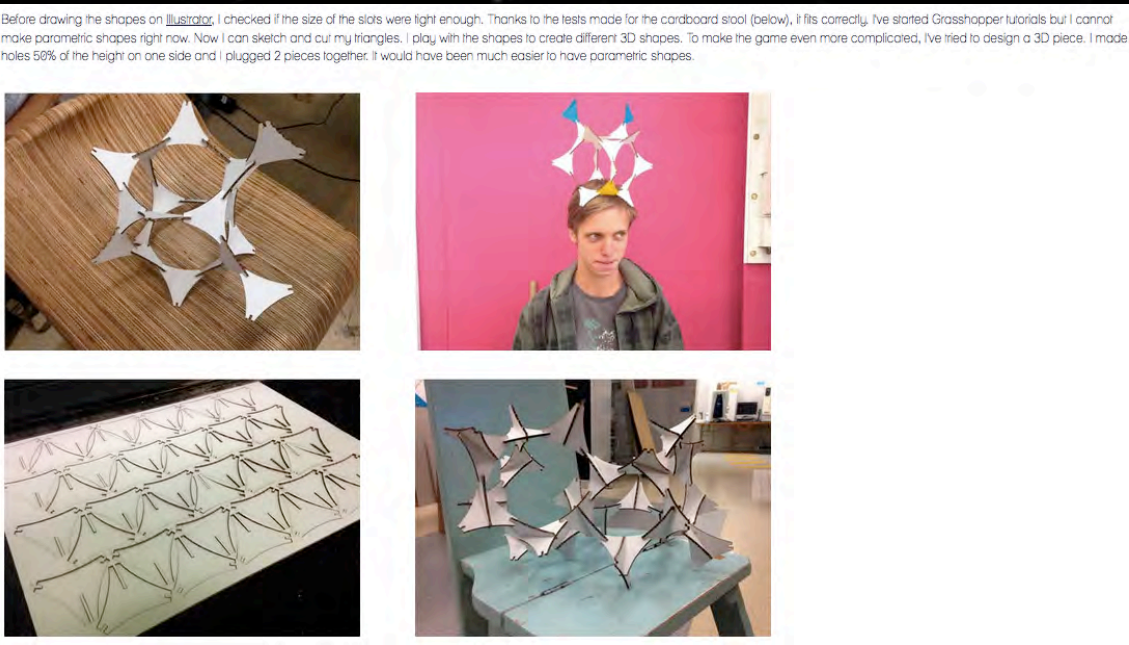
3D Modeling
 3D Printing
 CAD
 CNC
 Electronics
 Embedded
 IT
 Lab Manager
 Manufacturing
 Software Dev
 Teaching
 Wearable



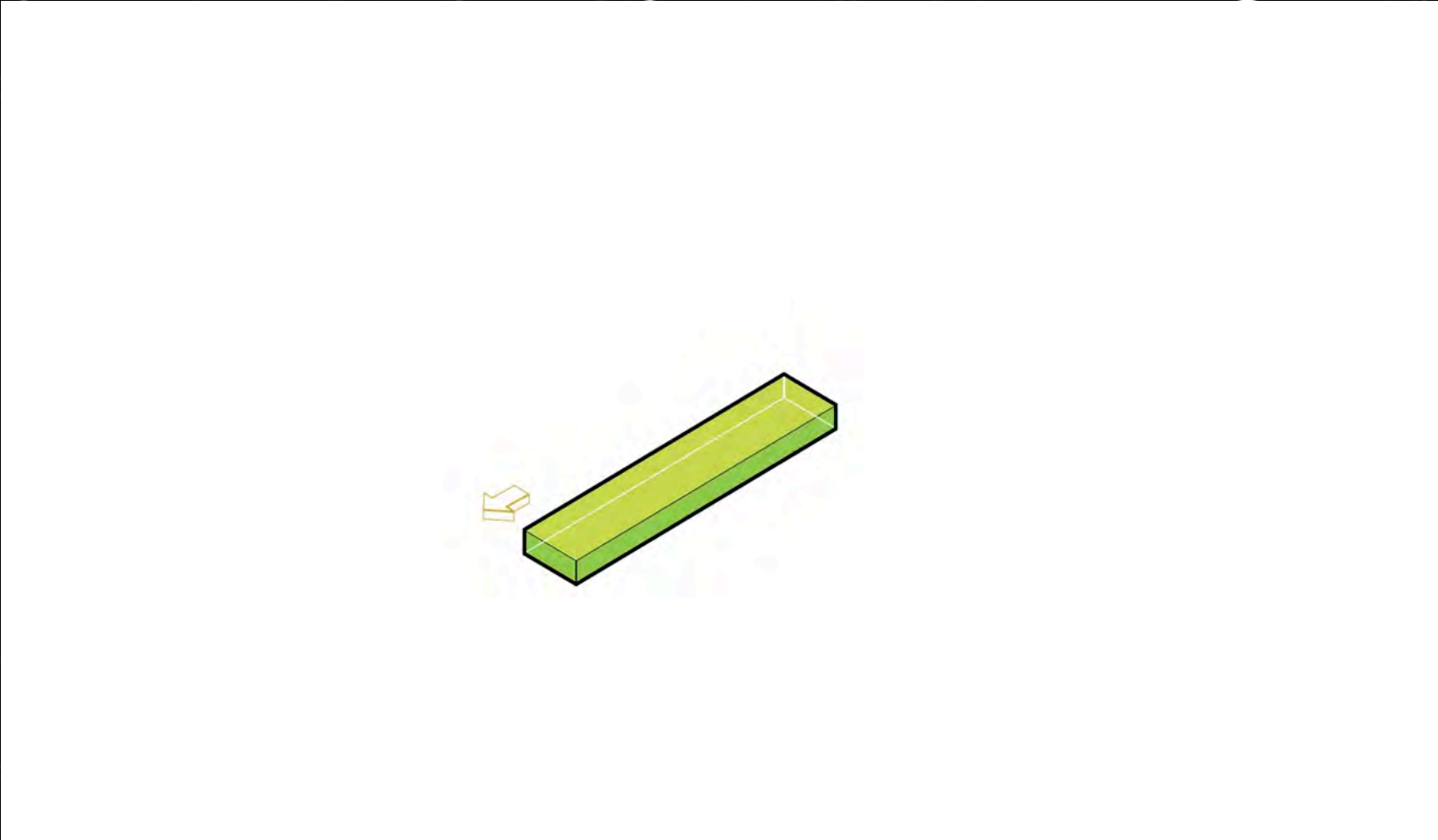
A Global Campus



HTM(A)A



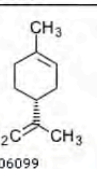
HTG(A)A



Machines that Make



Biosynthesis. First we check in Keeg Compound web page <http://www.genome.jp/kegg/compound/> where we get this information using the Limonede Keeg number (C06099): http://www.genome.jp/kegg-bin/show_pathway?map01062+C00521

COMPOUND: C06099		Help
Entry	C06099	Compound
Name	d-Limonene; (+)-Limonene; (+)-(R)-Limonene; (+)-(4R)-Limonene	
Formula	C10H16	
Exact mass	136.1252	
Mol weight	136.234	
Structure	 C06099 Mol file KCF file DB search Jmol KegDraw	
Remark	Same as: D00194	
Reaction	R06119 R06120 R06398 R09393	
Pathway	map00902 Monoterpenoid biosynthesis map00903 Limonene and pinene degradation map01062 Biosynthesis of terpenoids and steroids map01100 Metabolic pathways map01110 Biosynthesis of secondary metabolites	
Enzyme	1.14.13.80	1.14.13.107 4.2.3.20

Fab Academy X



A Global Campus: Academany

K-12 STANDARDS-ALIGNED OPEN-SOURCE

**Our community
makes digital
fabrication lessons for
classrooms.**

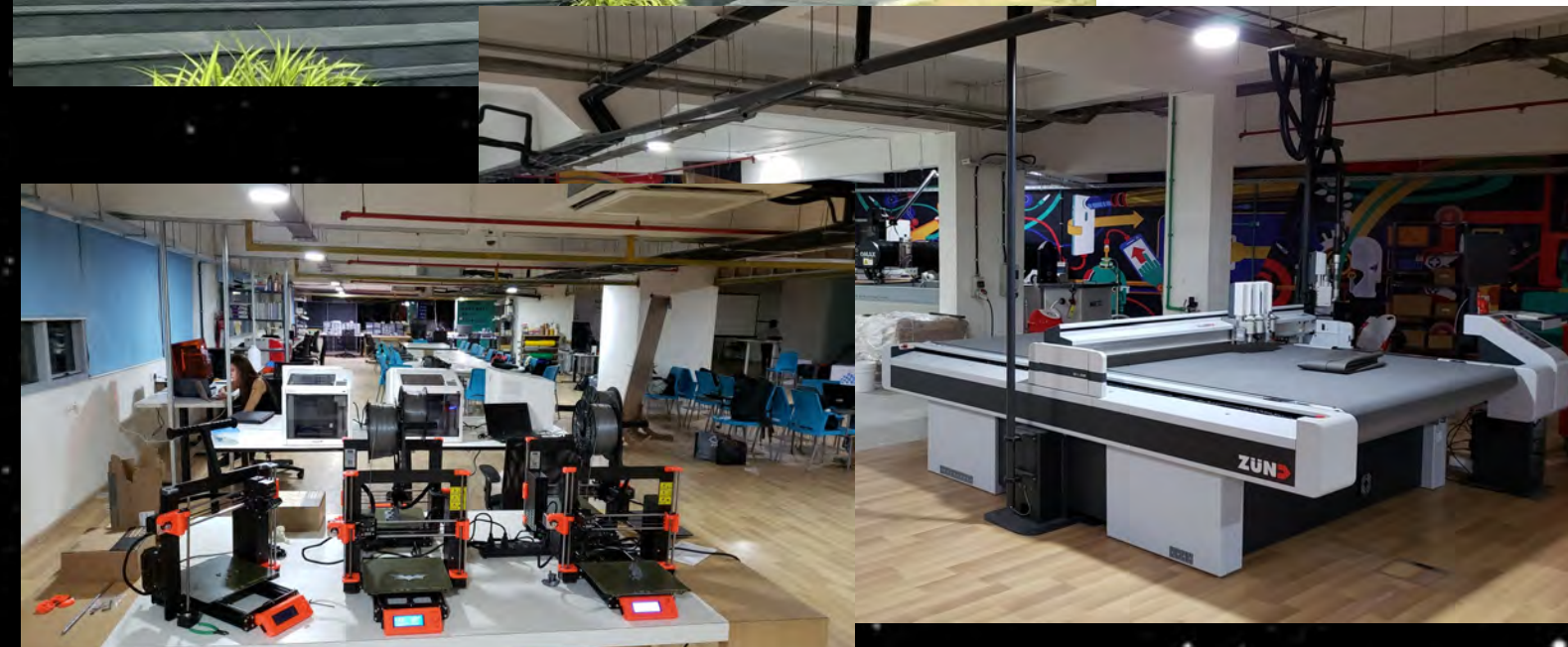
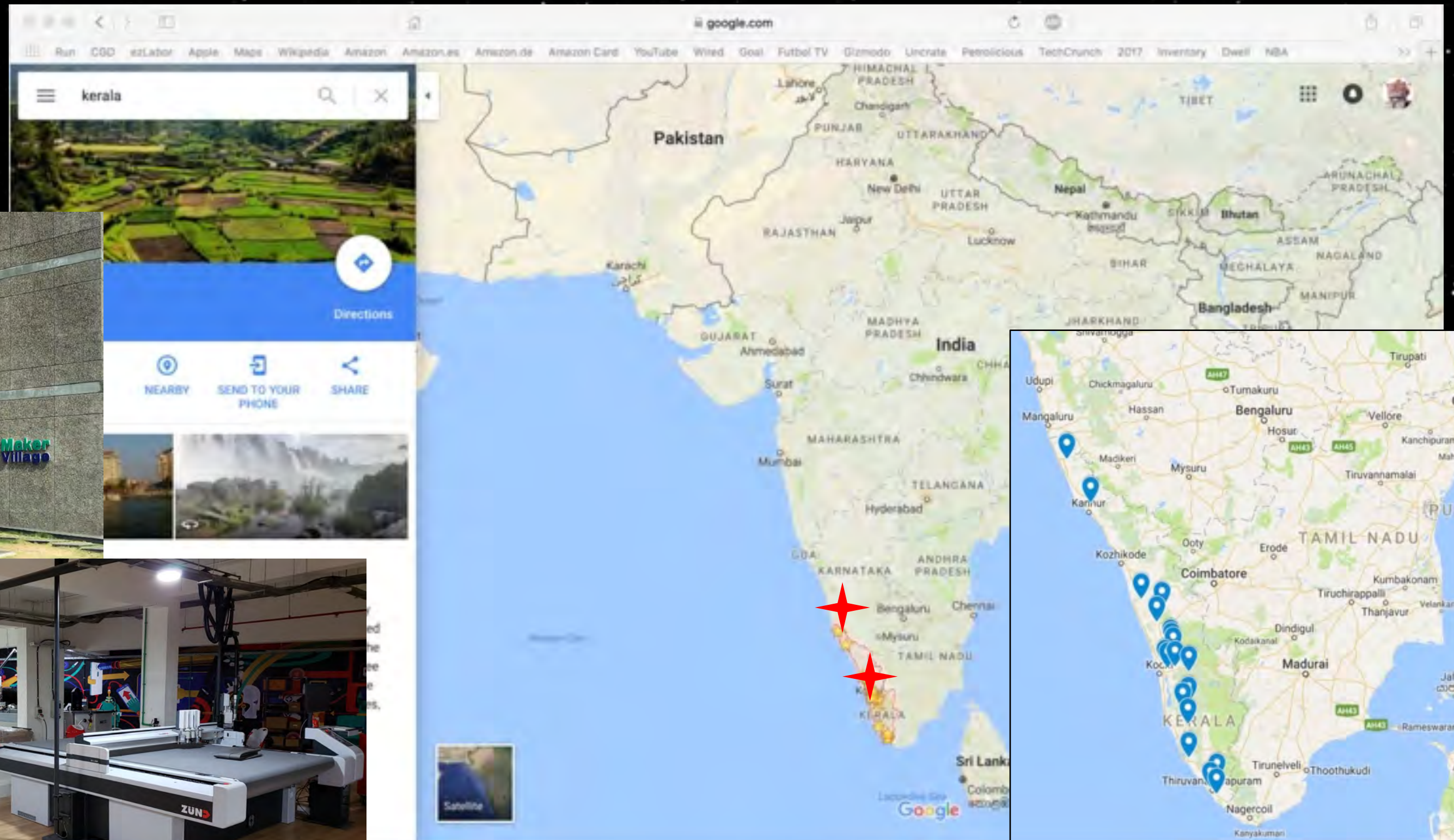
[FIND OUT MORE](#)



Feedback



SCOPES-DF





LOCALLY PRODUCTIVE
GLOBALLY CONNECTED
CITIES

36 028 00 28 39

YEARS DAYS HOURS MINUTES SECONDS



MEMBER CITIES

- BARCELONA
- BOSTON
- SOMERVILLE
- CAMBRIDGE
- EKURHULENI
- KERALA
- GEORGIA
- SHENZHEN
- AMSTERDAM
- TOULOUSE
- OCCITANIE REGION
- PARIS
- BHUTAN
- SACRAMENTO
- SANTIAGO DE CHILE
- DETROIT
- BREST
- CURITIBA

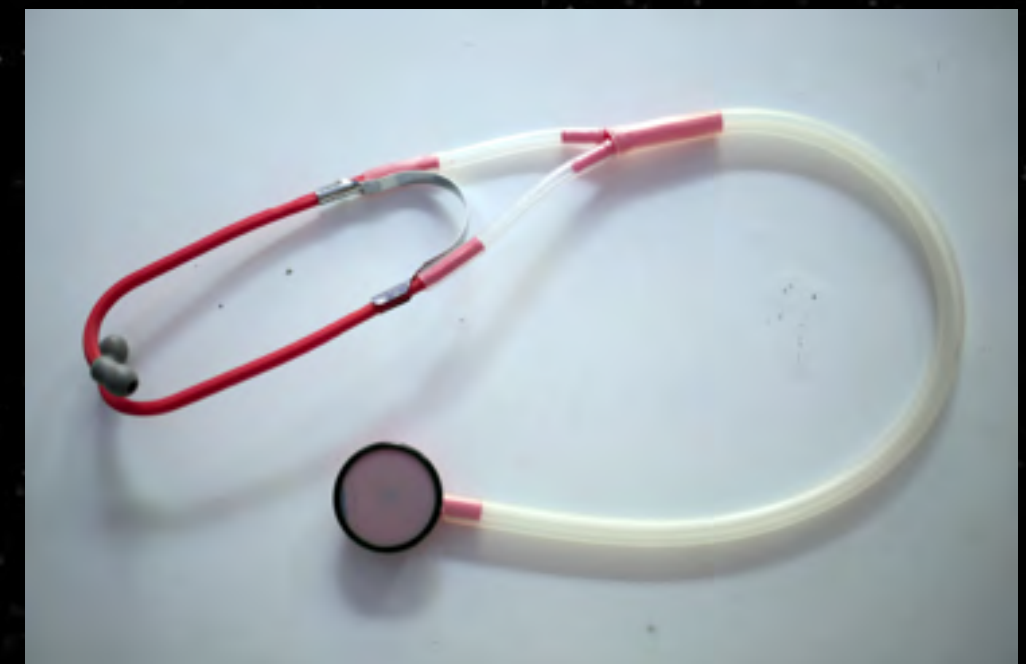


Fab Lab Irbid



Making for Others

Fab Lab Terre des hommes Ioannina, Greece



Humanitarian Aid







THE GLOBAL GOALS
For Sustainable Development

**FLOATING FAB LAB
AMAZON**
«PROYECTO SELECCIONADO»

THE GLOBAL GOALS SOLUTIONS SUMMIT
September 27th, 2015 at UN Headquarters



DIRECTION







POWERED BY






1 NO POVERTY	2 NO HUNGER	3 GOOD HEALTH	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 RENEWABLE ENERGY	8 GOOD JOBS AND ECONOMIC GROWTH	9 INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE AND JUSTICE	17 PARTNERSHIPS FOR THE GOALS	 THE GLOBAL GOALS For Sustainable Development



Addressing UN Sustainable Development Goal



National Fab Lab Network Act 2019-2020

FAB16



July 27th to
August 2nd, 2020.

FAB16

Fabricating
the
Commons



Annual Fab Lab Network Meeting

BRIDGING THE DIGITAL DIVIDE

Design/Fabricate/Share

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Sherry Lassiter
Sherry.Lassiter@fabfoundation.org

It's what we do together...