MAKER'S ASYLUM

CRI

SDG SCHOOL

Hands-on summer school
to impact the world

UNIVERSITÉ PARIS DESCARTES
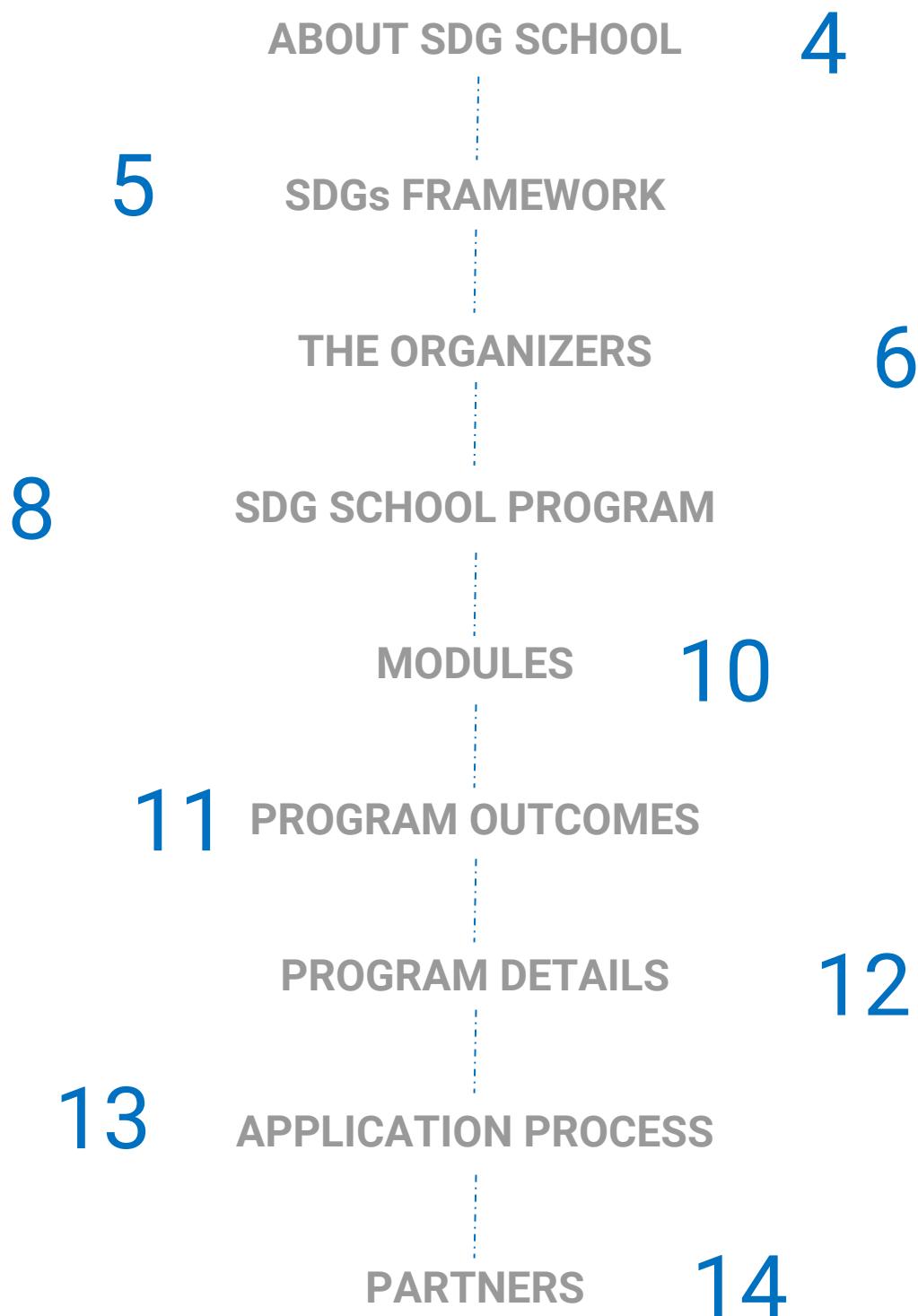
USPC
Université Sorbonne
Paris Cité

SDG SCHOOL PARTNERS

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Institut Mines-Télécom

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ABOUT
SDG SCHOOL

SDG School is a project-based summer program co-organised by Maker's Asylum in Mumbai, India and CRI - Center for Research and Interdisciplinarity in Paris, France.

The program is a platform for the youth to channel their creativity and come up with innovative solutions for some of the most pressing challenges of our times: The Sustainable Development Goals outlined by the United Nations to be reached by 2030 for a sustainable future for all.

During these 4 intensive weeks, the 100 young participants will be exposed to global scenarios, new methodologies in science and technology and will be trained to think like a social entrepreneur. Mentored with interdisciplinary experts, the SDG School Program aims to achieve its agenda with sessions of design thinking, hands-on learning in state-of-the-art labs and incubation for high impact projects.

PROGRAM FRAMEWORK
GOALS FOR SDG SCHOOL:

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. Nine of them are chosen as the bases of the SDG School.

4 QUALITY EDUCATION

3 GOOD HEALTH AND WELL-BEING

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

MAKERS ASYLUM
Frugal prototyping for Indian innovation

Maker's Asylum is a community space focused on fostering innovation through hands on learning. It provides access to an ecosystem of stakeholders which includes Governments, Businesses, Incubators, Accelerators, Investors and subject matter experts. The space houses various labs that are co-located in order to facilitate prototyping of ideas that are interdisciplinary in nature.

Maker's Asylum has its flagship spaces located in Mumbai and Delhi and in October 2018 it launched the third space in collaboration with the French Embassy in Jaipur. The Jaipur Textile Lab for Women as the name suggests is created to support the women artisans in and around Jaipur and will focus on research on smart textiles, sustainable textiles, natural/organic dyes and integration of digital fabrication tools in traditional processes.

Few notable partners of Maker's Asylum in the past :

Godrej, Airbus, Dassault Systemes, Autodesk, Renault Groupe, Naval Group, emlyon Business School, Institut Mines-Telecom (Consortium of French Engineering universities), ISDI, UNESCO, Fab Foundation, Center of Research and Interdisciplinarity, Paris.

MAKER'S™
ASYLUM

CRI
*Research and training
for life, learning and digital sciences*

To help everyone take care of oneself, others and the planet, CRI is co-constructing and sharing new ways of learning, teaching, conducting research and mobilizing collective intelligence in the fields of life, learning and digital sciences.

Active at the crossroads of research and education, CRI advocates for innovative pedagogy putting the student at the heart of their own learning experience through projects, research and societal challenges.

CRI was founded by François Taddei and Ariel Lindner in 2005 to create a student / researcher centered open environment in which they can collaborate together to build a world where lifelong learning is at the heart of our society. The Bettencourt Schueller Foundation has been a strategic long term partner since CRI was created in 2005.

CRI develops educational and research programs, from pre-school to PhD including lifelong learning, together with Université de Paris, Sorbonne Paris Cité University, Paris Descartes University and Paris Diderot University.

CRI develops programs with international partners, where students follow stimulating programs through a learning by doing approach, as well as entrepreneurial projects inspired by the 17 Social Development Goals established by the United Nations. CRI also organises a number of international events, including the prestigious conferences «Towards a Learning Planet» and the «World Innovation Summit for Education». CRI has inspired the development of other innovative places of learning such as Open Fiesta in Tsinghua University, in China and Tadeo Lab in Bogota University, in Colombia.

A wide range of partners accompany the CRI including the European fund, "les programmes d'investissements d'Avenir" and the town council of Paris.

SDG School program

To engage students to effectively tackle UN-SDGs, the SDG School Program is divided into **two modules** of 2 weeks each. The **STEAM module** aims to work around solution finding for the UN-SDG's whereas the **IMPACT module** aims to take the projects developed in STEAM from prototype to maturation stage with the help of advanced prototyping and research methodologies.

The SDG School Program is designed to give its participants an experience of the product design process. Each module is progressive and lays the foundation for the next stage.

Each module is composed of design lectures, thematic masterclasses, technical workshops, field immersion, team works and official presentations. Their objectives are:

SDG School PROGRAM

STEAM SESSION

Introduction to the Sustainable Developpement Goals (SDGs)

Field experience

Ideation

Technical workshop

Mentored prototyping

Demonstration

15 - 26 JULY
IMPACT SESSION

Social entrepreneurship and research methods

Technical intensification

Field testing

Advanced and matured prototyping

Presentation

SUCCESS!

Modules objectives

Each module is composed of design lectures, thematic masterclasses, technical workshops, field immersion, team works and official presentations.
Their objectives are:

STEAM

Get an innovative human-centered vision of social challenges

Identify collectively a world-size problem
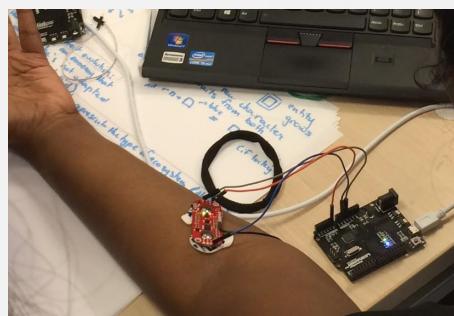
Implement a project relevant for the world change-maker organisations

IMPACT

Prototype with a human centered vision of technology

Contextualize a project with a design mindset

Acquire the research and entrepreneurship methodologies

Program outcomes

The SDG School gives the participants the ability to take part into networks of change-makers. They will be able to integrate interdisciplinary teams with their academic knowledge and get an agile comprehension of technology to develop meaningful projects grounded in reality.

Also, the SDG School program offers an invitation to build a reflexive posture on its experience so that the participants draw their own learning path in line with their passion, their profession perspectives, their vocation and their mission to the world.

Last programs edition overview

The 2018 winter STEAM edition gathered 80 participants guided with 30 mentors from 10 countries. The 13 teams shaped games, devices, experiences and facilities tackling water access, housing matters, bullying prevention, waste management, craftsmanship valorization and learning support and presented it in UNESCO to an expert committee.

The 2018 IMPACT edition was the CRI Labs Summer School. It welcomed 30 participants from 6 countries and 13 academic backgrounds. The 10 projects were devices, games, VR experiences and art installation tackling climate awareness, sexual harassment prevention, depression support, diabete treatments, parkinson understanding, microbiology comprehension, anxiety calming and biology teaching.

Program details

MODULE	STEAM	IMPACT
Agenda	Insight ideation & frugal prototyping	Project maturation & advanced prototyping
Timeline	July 1st - 13rd 2019	July 15th - 26th 2019
Venue	**La Cité des sciences et de l'industrie** 30 avenue Corentin Cariou 75019 Paris	**CRI - Center for Research and Interdisciplinarity** 8bis rue Charles V 75004 Paris
No.of Participants	100 participants	30 participants

Application

	OPEN APPLICATION
SDG School fees	**1500€**
Covered elements	• Tuition and documentation • Welcome and farewell events • Access to Cité des Sciences & CRI facilities • Official program certificate • Cultural and social events in Paris

Please note: A participant may opt to attend the **STEAM module for 2 weeks**. The program fee for such a participant will be reduced to 900€.

Living expenses, insurances and visa fees are not included in the program fee. The SDG School logistics team will provide assistance in finding accommodation at a reasonable price upon selection.

The CRI and Makers' Asylum DNA:

- The Université de Paris, Paris Descartes, Paris Diderot and Sorbonne Paris Cité Universities within which CRI develops its academic and research programs

- FABFOUNDATION, the worldwide FabLabs network providing access to tools for digital fabrication in which belongs Makers' Asylum

- The Bettencourt Schueller Foundation has been a strategic long term partner since CRI was created in 2005

- The european commission

- Investissement d'avenir

- Ville de Paris

Our academic & research partners:

Xavier University - EM Lyon Business School
SECMOL : students' educational & cultural movement of Ladakh
CAMPUS FRANCE
Atal innovation mission
NMIMS School of design
HEMP fabric lab
Pearl Academy
Ecole nationale supérieure des Arts Décoratifs
Mines ParisTech
Ecole Nationale de Mode et Matière Paris
PSL Dauphine Université Paris
Ycenter, redesigning education systems to solve real world problems
ATOM Visaka
ISDI Indian School of Design & Innovation
Agence nationale de la recherche
Harvard University
INJEP
INRIA
Ministère de l'enseignement supérieur, de la recherche et de l'innovation (France)
Science Po

Labels

- UNESCO chair (USPC - CRI)

- Investissement d'Avenir

- Ashoka

- Unesco the support of New Delhi Office, cluster office for Bangladesh, Bhutan, India, Maldives, Nepal & Sri Lanka

- La France s'engage

- Project partners / outreach & post incubation partners

- FORGE

- SEEED

- X.factory

- Universidad Mayor

- Tsinghua University

- Université PSL

- Geneva University

- MakerBay

Executive steering committee :

- Navi Radjou (Chair) : Indian-French-American Scholar in Frugal Innovation

- Sherry Lassiter : President & CEO, The Fab Foundation

- Sonia Manchanda : Creative Chief & Cofounder, DREAM:IN

- Mathilde Mallet : Campus France, Asia Manager

- Francois Taddei : Director & Founder, Centre of Research & Interdisciplinarity

- Ashley Fernandes : President, Barnby & Ferns emLYON Business school India

- Catalina Quijano Silva : Director, TadeoLAB

- Guy Etienne : Director, Catts Pressoir & Ashoka fellow

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Fondation Bettencourt Schueller
Reconnue d'utilité publique depuis 1987

VILLE DE PARIS

USPC
Université Sorbonne Paris Cité

UNIVERSITÉ PARIS DESCARTES

IIFR INSTITUT INNOVANT DE FORMATION PAR LA RECHERCHE

INVESTISSEMENTS D'AVENIR