The Forge of Adaptations

From South to North, making, learning, and sharing solutions to the effects of climate change.

Ahmadou DIALLO
Host of The Airbus Africa Community
Dec 2023
What if people with disabilities became air quality sentinels?

Prosper's handbike in Douala, Cameroon
Our Mission statement: Together, we will adapt, innovate, and share solutions to overcome climate change and other crises, inspired by the COVID-19 response.
Our strategy: Global Presence, Local Empowerment #Glocal

- **Harnessing the Digital Commons**: Leverage open-source designs to create remanufactured and iteratively enhanced objects.
- **Distributed Manufacturing for Local Innovation**: Empower communities to adapt and customize designs, fostering decentralized manufacturing and economic resilience.
- **From Prototypes to Knowledge Diffusion**: Share "new digital" methodologies to bridge the gap between prototypes and practical applications.
- **FabLabs and Makerspaces as Innovation Hubs**: Cultivate collaboration and knowledge exchange in these spaces to drive technological advancements.
- **Cultural Diversity and Inclusive Participation**: Foster a peaceful and equitable future by embracing diverse perspectives and ensuring universal access.
Our core pillars

1. **Document prototypes according to a common semantics** adapted to the SDGs (*Sustainable Development Goals*) and the dissemination of educational forms in Africa and France.
2. **Identify projects whose documentation already allows replicability** and use the project to promote these opportunities to cities.
3. **Federate French-speaking fablabs** in nine African countries and France around the SDGs.
4. **Disseminate the methods and possibilities** allowed by fablabs to make them usable outside fablabs,
5. **Accompany groups** in educational institutions, associations, companies, collectives, etc.
6. **Bring cities and fablabs closer together** in order to develop their collaboration to achieve the SDGs and fuel a culture of resilience through open cooperative prototyping, based on digital commons and a support network.
Each workshop approved by the steering committee composed of partners will be financed on the following basis, inclusive of all costs:

Workshop Organization: **€630 per day**

Workshop Material Envelope: **€500 per workshop**

Total Remuneration:

**€1130 for a one-day workshop**

**€1760 for a two-day workshop**
The road so far...
Some figures

We are creating tangible impact.

- 3 waves of 3 calls for proposals
- 30 free workshops in 11 countries
- 1000 participants in workshops
- 100 candidates from 12 countries
- 400 pages of pedagogical guides under the CC BY-SA(*) license
- 500 pages of documentation of free objects to be addressed locally

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A growing success validating the values of Forge-CC approach and methodology

Wave 01
10 Workshops

Wave 02
20 Workshops

Wave 03?
120 workshops?
Where you can support our impact (1/2): What you can do for us

Each workshop component:
- 30 participants for free
- 1130 €/day including 500 € of material supply
- 1760 € for 2 days including 500 € of material supply

Baseline for 40 workshops per year, **57.6 k€**:
- 20 of 1 Day workshop: 20x1130 = 22.6 k€
- 20 of Days workshop: 20x1760 = 35.2 k€

Transverse activities support including Human Resources from Climate Change lab: **50 k€**

In total: **107.6 k€/year impacting 1 200 people.**

Our intention:

Run the project for **3 years** impacting **3 600 people** with a total budget of **323.4 k€**.

We target to generate **3 000 pages** of open source documentation under the **CC BY-SA license**.
Where you can support our impact (2/2): what we can do together

1. **Expand** the reach of open-source solutions worldwide, **bridging** linguistic divides and **fostering** global collaboration.

2. **Encourage** innovation and **democratize** maker methodologies by funding workshops that **empower** aspiring solution makers.

3. **Reimagine** the role of knowledge as a collaborative force for positive change, rather than a competitive battleground.

4. **Transform** the fab city concept into reality by **establishing** a network of interconnected fab villages tackling climate change challenges.
A picture is worth a thousand words…
Don't aspire to make a living, aspire to make a difference.

— Denzel Washington
Thank You

https://www.forgecc.org