Innovation and Global Cooperation for Sustainability

12-14 March, 2024

Experimental Architecture and Material Culture (EAMC)

DAAD

A Higher Education Cooperation Project under DIHSK

Bundesministerium für Bildung und Forschung

RWTH AACHEN UNIVERSITY

Introduction

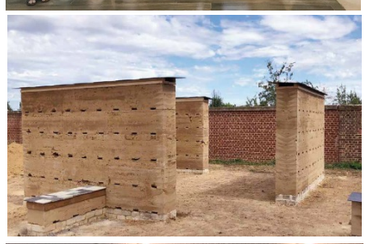
The International Cooperation 'Towards an Indo-German Centre for Experimental Architecture and Material Culture (EAMC)', supported by BMBF and DAAD Germany, under the Scheme 'A New Passage to India', received the grant for the period 2019 – 2023, and is led by Prof. Axel Sowa (RWTH Aachen University, Germany) and Prof. Smriti Saraswat (Indian Institute of Technology (IIT) Roorkee (India).

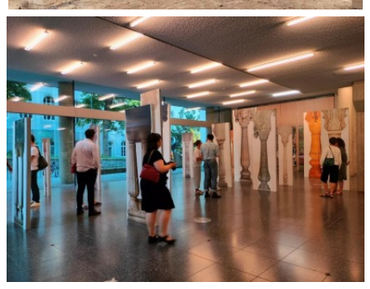
- **Towards an Indo German Centre for EAMC**
- **Initiatives since 2014, leading to this joint project**
- **Pedagogy and practice of architecture**
- **Mobility and exchange**

2019-20

Initiation, Grant Exchange of students and faculty,
2+1 Seminars- *Earth Materials and Design Build Procedures* and *EAMC*
Mud and Clay Inventories
Initiating Stone Inventories
Site Visits, Reports

2021-22





Course Development- ***IAMC***
5 Documentaries
02 Stone Protypes
02 Webinars
Exchange/ Scholarships/ Mobility
EAMC portal/ webpage

2023 onward

Consolidation and finalizing the *EAMC Encyclopedia*,
Showcasing and Exhibition
Workshop in Mysore- *Documenting Heritage*

5+ Years of Commitment

6+ Grants/ Scholarships

7 Seminars + Workshops

3+ Publications

Engage	A Joint Initiative	**Design/ Research**
Exchange	A Shared Vision	**Outcomes**

12 Student Beneficiaries

(**6+6** Doctoral and Masters students engaged)

4 Faculty Beneficiaries

1 AROP Scholarship to a Doctoral Student

2 Lifesize Prototypes out of **13** Exp. Mock-ups

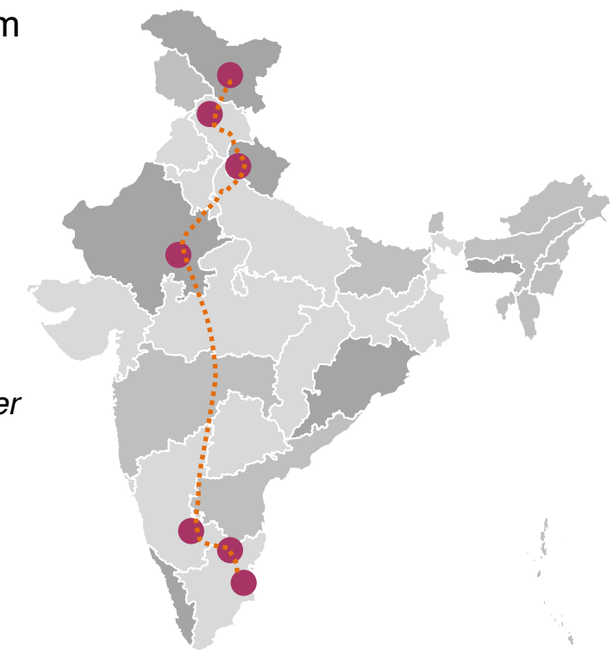
5 Documentaries

55 Inventories

An Ever-growing Encyclopedia/ Repository on the EAMC Portal……(soon to be an open portal)

Building Material Inventories

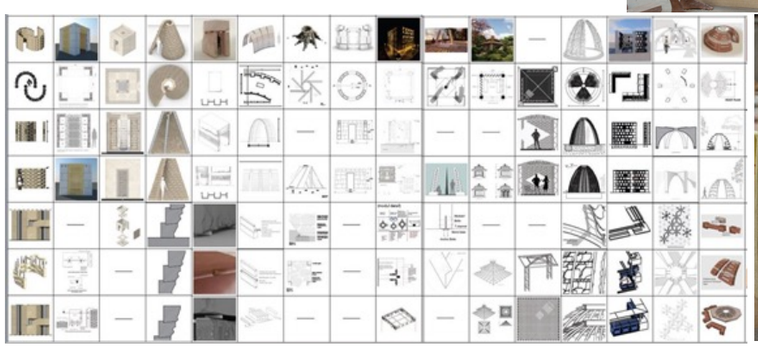
Site visit of German team across length and breadth of Indian sub-continent to explore material culture with focus on Mud and Clay. *(Auroville Earth Institute, Saadhna Forest, Sacred Grooves, Udhavi Forest, Thannal, Tamil Nadu; Center for Vernacular Architecture, Bangalore; Pili Padav, Uttarakhand; Palampur, Dharamshala in Himachal Pradesh; Ladakh; Bundi Rajasthan)*



Building inventories for 05 building materials (Clay, stone, timber, iron and bamboo) uploaded on the EAMC digital repository portal.
03 National and 01 International Seminar conducted.

Micro Architecture and Prototypes

Exploring stone as a material, system, cultural backdrop, technique and innovation
02 Webinars with 3 experts for Stone.
05-day International Seminar with 10+ experts
Building inventories
Production of 2 stone pavilions
05 documentary films



Publications & Documentary Films

For CANDIDE-13 narratives/ essays were within the five baskets of:

- Making of;
- Phenomenology of Clay/ Stone;
- Innovation in Design-Build;
- Education and Learning; and
- Codifying Procedures

Final Symposium & Pop-Up campus during Sept. 2022.

Vision for the Future

To initiate work on the thematic area of 'Textiles and Architecture'
Building Inventories with focus on Wood, Bamboo, Iron etc.
Online publications based on the narrative enquiry and encounters