

LAAAMP Tasks

Task 1. Develop a **Strategic Plan** for each region to grow and enhance its Advanced Light Sources (AdLS) and crystallography user communities.

Task 2. Establish a **Colloquium Programme** for each region to recruit new AdLS and crystallography users and to advertise LAAAMP projects via invited talks at targeted venues. Also, launch a series of new IUCr-UNESCO OpenLabs, which is a network of operational crystallography laboratories in developing countries aimed at increasing the access to, and utilization of, crystallography in all regions of the world.

Task 3. Publish an Informational **Brochure** that describes AdLSs, crystallography, and the many fields that they impact.

Task 4. Facilitate **researchers' visits** to AdLS and crystallography facilities.

Task 5. Convene a **meeting at UNESCO** to present the regions' Strategic Plans and define the charge for more detailed Business Plans that include feasibility studies of constructing AdLSs in regions where they do not yet exist.

Partner AdLSs

Advanced Light Source (USA)
Advanced Photon Source (USA)
ALBA (Spain)
Australian Synchrotron
Canadian Light Source
DELTA (Germany)
Elettra (Italy)
European Synchrotron Radiation Facility (France)
MAX IV (Sweden)
National Synchrotron Light Source-II (USA)
Photon Factory (Japan)
Pohang Accelerator Laboratory (South Korea)
SESAME (Jordan)
Siam Photon Source (Thailand)
Stanford Synchrotron Radiation Lightsource (USA)
Taiwan Photon Source

LAAAMP Structure

Executive Committee

Sekazi K. Mtingwa, Chair
Michele Zema
Sandro Scandolo

Regional AdLS Usage and Strategic Plan Committees

AFRICA - Chair: Simon Connell
CARIBBEAN - Chair: Carlos Cabrera
MEXICO - Chair: Matías Moreno
MIDDLE EAST - Chair: Özgül Öztürk
SOUTHEAST ASIA - Chair: Rungrueng Phatthanakun

Brochure Editor: Ernie Malamud

Usage Database Manager: Lawrence Norris

Steering Committee

Observers

Partner institutions

AfLS Steering Committee; AAPPS; Cuban Light Source Initiative; EPS; ICSU ROA; ICSU ROAP; INCREASE; ICTP; IUMRS; UCLA Laboratory for Physics and Applications of High Brightness Beams; Lightsources.org; Puerto Rican Light Source Initiative; Sociedad Mexicana de Física; UNESCO Division of Science Policy and Capacity Building; Triseed Consultants; LLC; TWAS

An IUPAP-IUCr project within the 2016-2019 ICSU Grants Programme



January 2019 LAAAMP information page

Fill in the LAAAMP Survey of Physical Instrumentation Availability at Universities

Please take a few minutes to fill in the LAAAMP survey and help develop a database of AdLS and crystallography users and facilities used in the targeted regions of the project.

This survey is for researchers in anthropology, biology, biomedical sciences, chemistry, engineering, geology, materials science and physics in the LAAAMP regions (Africa, Mexico, the Caribbean, SE Asia and Middle East) to see what facilities are available on the ground at their home institutions, plus which of the ~50 lightsources around the world that they use, and what techniques (wavelengths) they use (from NMR to Mössbauer).

The LAAAMP survey can be filled in at <https://laaamp.iucr.org/tasks/survey>

3rd Call for Applications for FAST teams: EXTENDED DEADLINE for applications from Africa and the Caribbean

Faculty-Student (FAST) teams from Africa, the Caribbean, Mexico, Southeast Asia or the Middle East are invited to apply for a LAAAMP grant to spend two (2) months during Calendar Year 2019 at LAAAMP's AdLS Collaborative Partners to participate in learning AdLS beamline techniques, including those involving crystallography.

NEW DEADLINE for applications from AFRICA and the CARIBBEAN: 15 February 2019

More information and the application form are available at

<https://laaamp.iucr.org/calls/jan-dec-2019>

LAAAMP is partner of XTech-SD, a crystallography lab at Sèmè City, Benin, to serve as a hub for Central Africa

XTech-SD (X-Ray Techniques for Sustainable Development) is a project designed by Dr Thierry D'Almeida (Commissariat à l'Énergie Atomique et aux Énergies Alternatives, France) with Dr Marielle Agbahoungbata, a young chemist from the University of Abomey-Calavi in Benin, presently guest PhD student at the University of Zurich, Switzerland.

XTech-SD will be part of Sèmè City, the International City dedicated to Innovation and Knowledge, presently under development in an area located between Cotonou and Porto-Novo, funded by "Revealing Benin", a transformative large-scale investment programme launched in December 2016 by President Patrice Talon and the Government of Benin.



The overall objective of the project is to endow the local and regional scientific communities with technical skills that will allow them to use X-ray techniques as tools for solving specific critical socioeconomic issues. The training programme is being implemented in collaboration with LAAAMP and within the framework of the IUCr-UNESCO OpenLab and the IUCr Crystallography in Africa initiatives. Over a hundred Masters and PhD students from Benin and neighbouring countries, such as Nigeria, Togo, Niger and Burkina Faso, are expected to be trained annually. A permanent user research facility with experienced, permanent staff to act as a hub for the region will be established. XTech-SD will have temporary quarters in Cotonou starting from May 2019, but will subsequently relocate to Sèmè City from 2021.

<https://laaamp.iucr.org>