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: Rungrueang 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

https://laaamp.iucr.org

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

LAAAMP

Lightsources for Africa, the Americas, Asia and Middle East Project

May 2019 *LAAAMP* information page

Plans for Mexican Synchrotron take shape

The Mexican State of Hidalgo has announced plans to invest 25 million USD as a seed contribution to develop a plan for a synchrotron light source in Mexico, and has donated 40 hectares of land close to the capital city of Pachuca.

The facility will cost an estimated 800 million USD and its construction will take 10 years. Mexico could become the second Latin American country to host a synchrotron facility, after Brazil.

Plans for a Mexican light source were presented by Mexican physicist **Matías Moreno** (Universidad Nacional Autónoma de México, Chair of the *LAAAMP* Usage & Strategic Plan Committee for Mexico) at the ICTP (Trieste, Italy) on the occasion of the ***LAAAMP* midterm workshop** on 24 August 2018 (photo on the left).

On 23 October 2018, the Mexican synchrotron initiative was presented by **Abel Moreno-Cárcamo** (UNAM, Mexico; member of the *LAAAMP* USPC for Mexico; Coordinator of RedTULS, Mexico) at the ***LAAAMP* session at the CiLAC Forum** in Panama City.

Ghana to champion the African Light Source

The African Light Source project has received its first presidential backer in **Ghana's President Nana Addo Dankwa Akufo-Addo**, who said that he will make it an official project of the African Union (AU) and the Economic Community of West African States (ECOWAS). The disclosure was made on Tuesday, 29 January 2019 following the outcomes of the Opening Ceremony of the joint conference of the 2nd African Light Source conference (AfLS2) and the 2nd Panafrican Conference on Crystallography (PCCr2), which was sponsored by *LAAAMP*.

The Steering Committee of AfLS is chaired by Simon Connell and Sekazi Mtingwa, who is also chair of the *LAAAMP* Executive Committee (photo on the right).

BEATS, a new beamline for tomography at SESAME

A new beamline for tomography is being designed for the SESAME synchrotron, and is expected to be operational from 2022. It will be designed, constructed and commissioned by the EU H2020 funded project BEATS (Beamline for Tomography at SESAME). The various application domains of high-resolution synchrotron radiation tomography, and particularly those relevant to the SESAME region, will be discussed during a workshop to be held at the Cyprus Institute on 27–28 June 2019. The workshop is being organized by **Kirsi Lorentz**, who was awarded a *LAAAMP* FAST team grant in 2017 and 2018.

Poster design: Michele Zema. Date: May 2019