



July 2019 LAAAMP information page

## LAAAMP Tasks

**Task 1.** Develop a **Strategic Plan** for each region to grow and enhance its Advanced Light Sources (AdLSs) 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>

## LAAAMP 2019 Fundraising Campaign

The LAAAMP 2019 Fundraising Campaign seeks to raise 60,000 Euros to continue its efforts to enhance crystallography and advanced light source science in five targeted regions: Africa, the Caribbean, Mexico, Middle East and Southeast Asia. The funds will be allocated mainly to send Faculty-Student (FAST) Teams to LAAAMP's 16 partner advanced light sources for two months of training and research. Part of the funds will be used to send seasoned light source users to those regions to publicize the effort and to publish an informational brochure on crystallography and advanced light sources for government officials and the public.

Donations are welcomed from institutions, companies and individuals through the GoFundMe platform at <https://www.gofundme.com/f/laaamp>.



## LAAAMP at the World Science Forum 2019



LAAAMP will be present at the forthcoming World Science Forum 2019 hosted by the Hungarian Academy of Sciences under the main theme "Science, Ethics and Responsibility".

The WSF2019 will be held in Budapest (Hungary) on 20–23 November 2019.

LAAAMP has already successfully participated in the World Science Forum 2017 (Dead Sea, Jordan, 7–11 November 2017) with a thematic session entitled "*Light sources and crystallographic sciences for sustainable development*" and in the CiLAC (Latin America and the Caribbean Open Science Forum) 2018 with a dialogue session entitled "*Implementing Advanced Light Source facilities in Latin America and the Caribbean for sustainable socio-economic development*".

At the World Science Forum 2019, LAAAMP will participate in a thematic session co-organized by the International Union of Pure and Applied Physics Scientific (IUPAP), the International Union of Crystallography (IUCr) and the Abdus Salam International Center for Theoretical Physics (ICTP).

### WSF2019 Thematic session: Basic Sciences Infrastructures for ethical and responsible collaborative development

It is well documented and understood that improving public understanding of science and the scientific method has numerous benefits needed for the fast changing world. Not only does it serve technology transfer, innovation and economic development through direct work of scientists and engineers, but also the trickle down effect of strong research institutions provides a backbone to strengthen scientific education at all levels to improve essential skills required for the modern economy and for entrepreneurship.

#### Moderators

**Michel Spiro**, President Designate of IUPAP

**Michele Zema**, IUCr Executive Outreach Officer and Executive Committee of LAAAMP

Tentative list of panelists (to be confirmed)

**Princess Sumaya bint Hassan** (Jordan) *Opening address*

**Herwig Schopper** (CERN) *SESAME*

**Sekazi K. Mtingwa** (LAAAMP) *Progress Towards an African Light Source and the LAAAMP Project: the role of Advanced Light Sources for scientific, socio-economic and science diplomacy aspects*

**Fernando Quevedo** (ICTP Director) *The Abdus Salam International Centre for Theoretical Physics: driving global efforts to advance scientific expertise in the developing world*

**Victor Matveev** (Joint Institute for Nuclear Research Director General) *The role of JINR*

**Sanja Damjanovic** (Minister of Science, Montenegro) and **Jean-Paul Ngome Abiaga** (UNESCO)

*Conclusions*