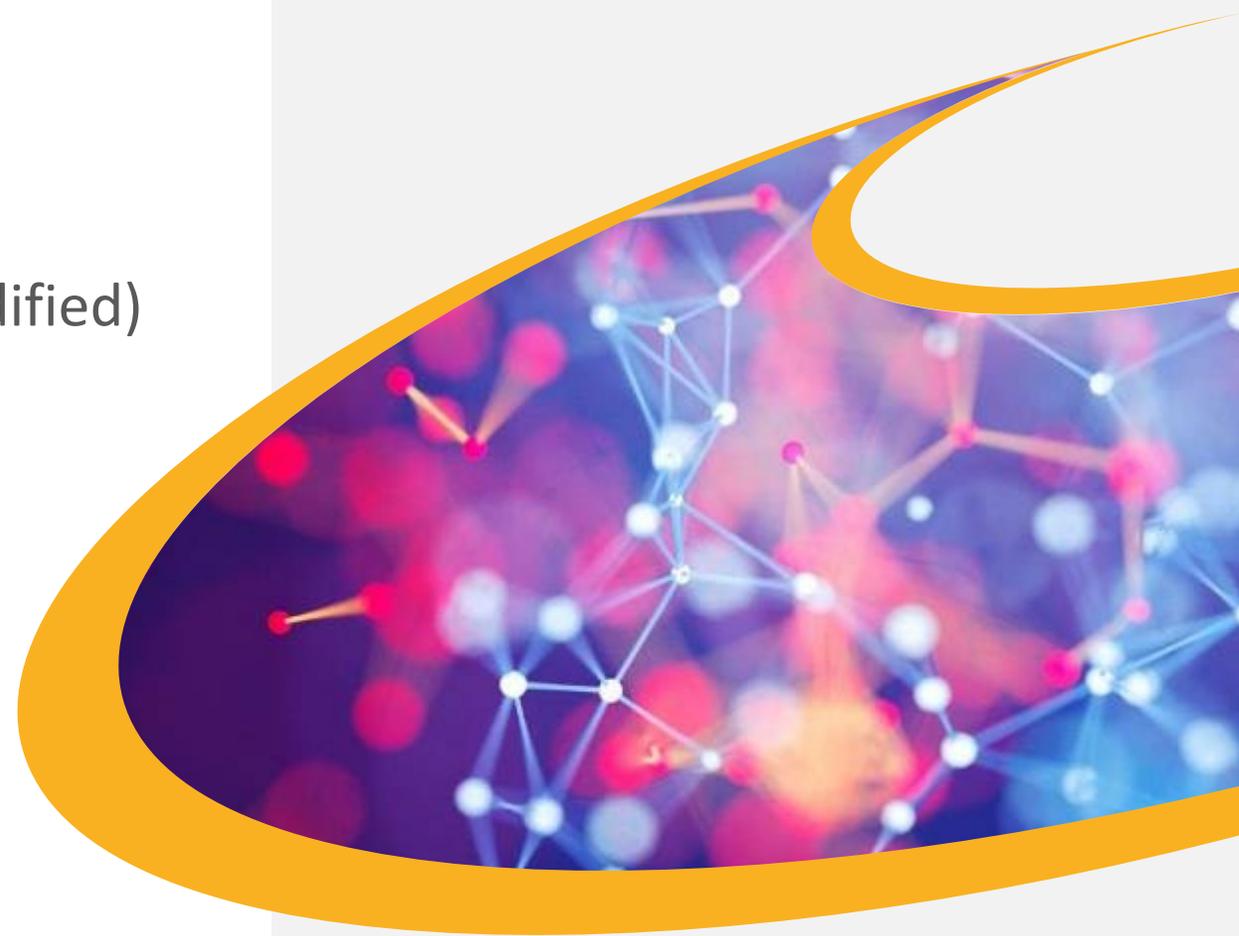


MAX IV STRATEGY 2030

General information (as of Oct 2021, modified)

Contains current answers to:

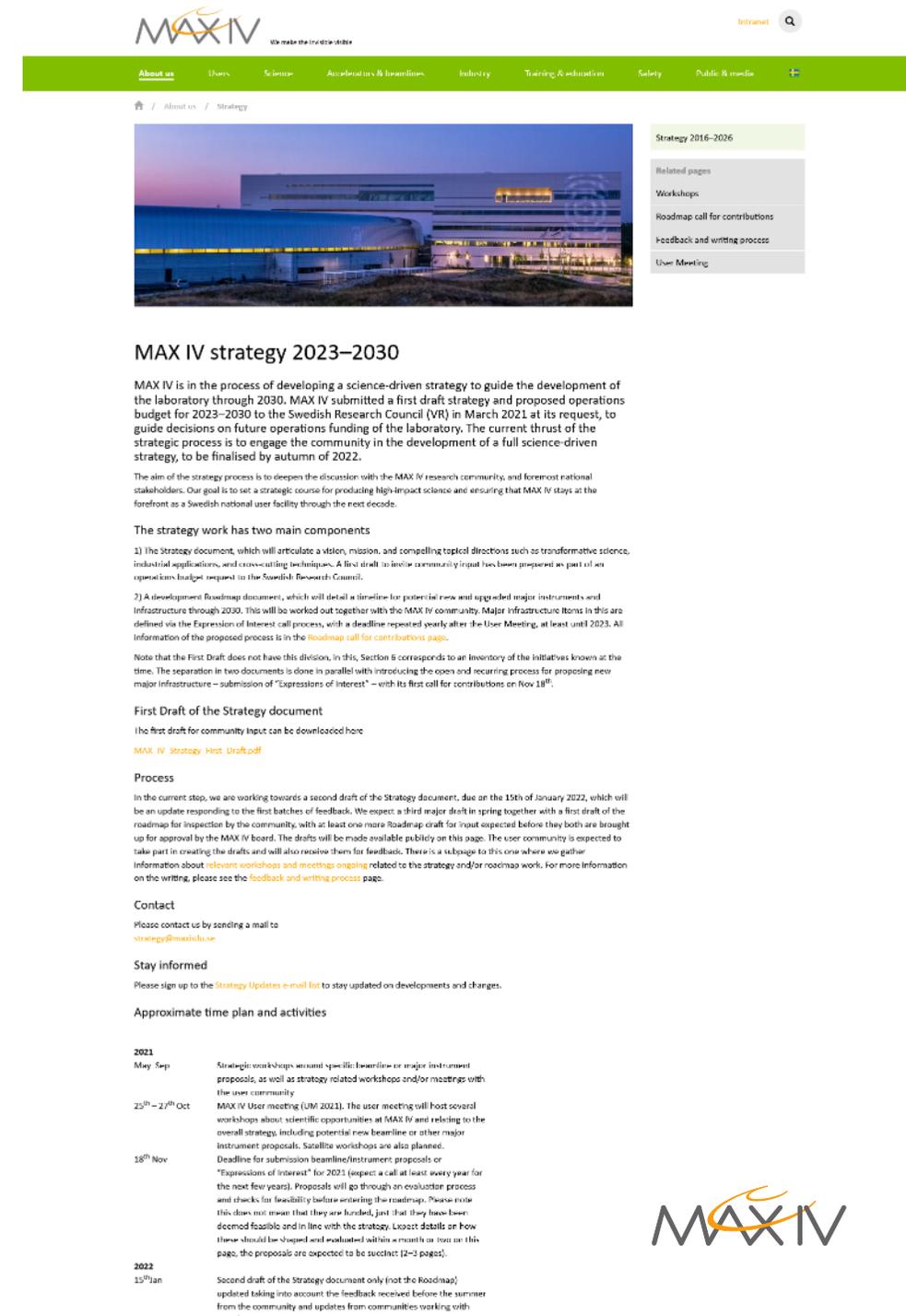
- Timeline
- Where can I find information?
- Key info
- What are the Strategy and Roadmap?
- What is in the second draft?
- How do I contribute to the Strategy and a Transformative Science section?
- What's in the pipeline?



INFORMATION LOCATION

The main webpage for the strategy work is:
<https://www.maxiv.lu.se/about-us/strategy>

- Has general information about the process, structure of the work and its state.
- Note the subpages in the menu top right. These have info about the writing process, ongoing workshops, documents, etc.
- Has current timeline with major events.
- A general official contact point:
strategy@maxiv.lu.se and an **E-mail list [signup](#)**



MAX IV strategy 2023–2030

MAX IV is in the process of developing a science-driven strategy to guide the development of the laboratory through 2030. MAX IV submitted a first draft strategy and proposed operations budget for 2023–2030 to the Swedish Research Council (VR) in March 2021 at its request, to guide decisions on future operations funding of the laboratory. The current thrust of the strategic process is to engage the community in the development of a full science-driven strategy, to be finalised by autumn of 2022.

The aim of the strategy process is to deepen the discussion with the MAX IV research community, and foremost national stakeholders. Our goal is to set a strategic course for producing high-impact science and ensuring that MAX IV stays at the forefront as a Swedish national user facility through the next decade.

The strategy work has two main components

- 1) The Strategy document, which will articulate a vision, mission, and compelling topical directions such as transformative science, industrial applications, and cross-cutting techniques. A first draft to invite community input has been prepared as part of an operations budget request to the Swedish Research Council.
- 2) A development Roadmap document, which will detail a timeline for potential new and upgraded major instruments and infrastructure through 2030. This will be worked out together with the MAX IV community. Major infrastructure items in this area defined via the Expression of Interest call process, with a deadline repeated yearly after the User Meeting, at least until 2023. All information of the proposed process is in the [Roadmap call for contributions page](#).

Note that the First Draft does not have this division, in this Section 6 corresponds to an inventory of the initiatives known at the time. The separation in two documents is done in parallel with introducing the open and securing process for proposing new major infrastructure – submission of “Expressions of Interest” – with its first call for contributions on Nov 18th.

First Draft of the Strategy document
The first draft for community input can be downloaded here
[MAX IV Strategy First Draft.pdf](#)

Process
In the current step, we are working towards a second draft of the Strategy document, due on the 15th of January 2022, which will be an update responding to the first batches of feedback. We expect a third major draft in spring together with a first draft of the roadmap for inspection by the community, with at least one more Roadmap draft for input expected before they both are brought up for approval by the MAX IV board. The drafts will be made available publicly on this page. The user community is expected to take part in creating the drafts and will also receive them for feedback. There is a subpage to this one where we gather information about [relevant workshops and meetings ongoing](#) related to the strategy and/or roadmap work. For more information on the writing, please see the [feedback and writing process](#) page.

Contact
Please contact us by sending a mail to strategy@maxiv.lu.se

Stay informed
Please sign up to the [Strategy Updates e-mail list](#) to stay updated on developments and changes.

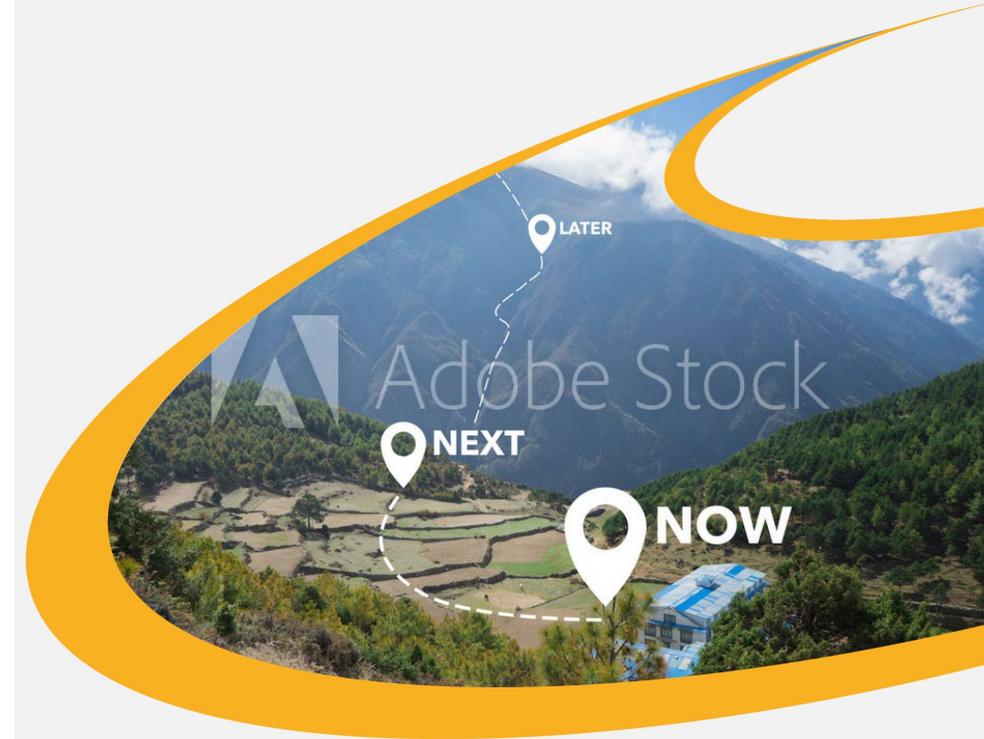
Approximate time plan and activities

2021	
May–Sep	Strategic workshops around specific beamline or major instrument proposals, as well as strategy related workshops and/or meetings with the user community
25 th –27 th Oct	MAX IV User meeting (UM 2021). The user meeting will host several workshops about scientific opportunities at MAX IV and relating to the overall strategy, including potential new beamline or other major instrument proposals. Satellite workshops are also planned.
18 th Nov	Deadline for submission beamline/instrument proposals or “Expressions of Interest” for 2023 (expect a call at least every year for the next few years). Proposals will go through an evaluation process and check for feasibility before writing the roadmap. Please note this does not mean that they are funded, just that they have been deemed feasible and in line with the strategy. Exact details on how these should be shaped and evaluated within a month or two on this page, the proposals are expected to be succinct (2–3 pages).
2022	
15 th Jan	Second draft of the Strategy document only (not the Roadmap) updated taking into account the feedback received before the summer from the community and updates from communities working with

KEY INFO & RECOMMENDATIONS

1. **Sign up to the e-mail list**, on the strategy or Eol call page.
2. **Anything sent to strategy@maxiv.lu.se is "official"**, you can c.c. it to highlight discussions, ideas, feedback, complaints, etc.
3. **For the submission of Roadmap items, download the Template** on the Eol page and look through it – please do not hesitate to discuss or give feedback on the form of the template or the Eol process.

MAX IV ROADMAP 2030

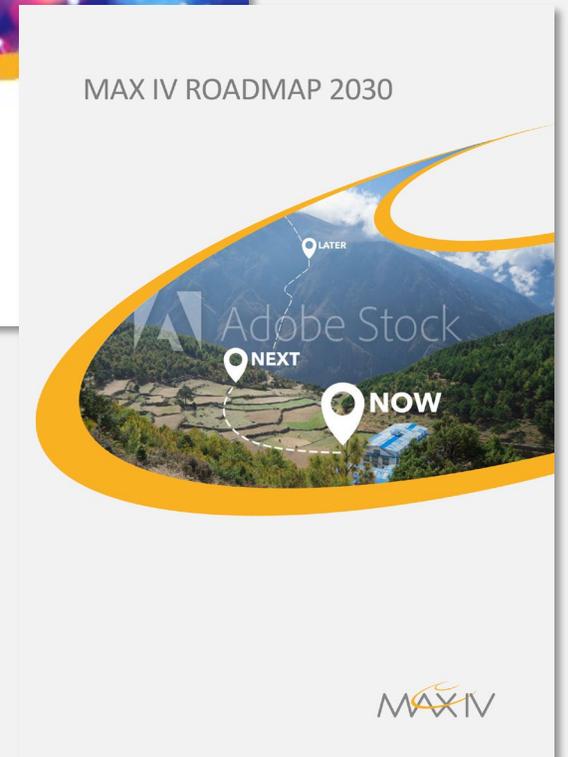
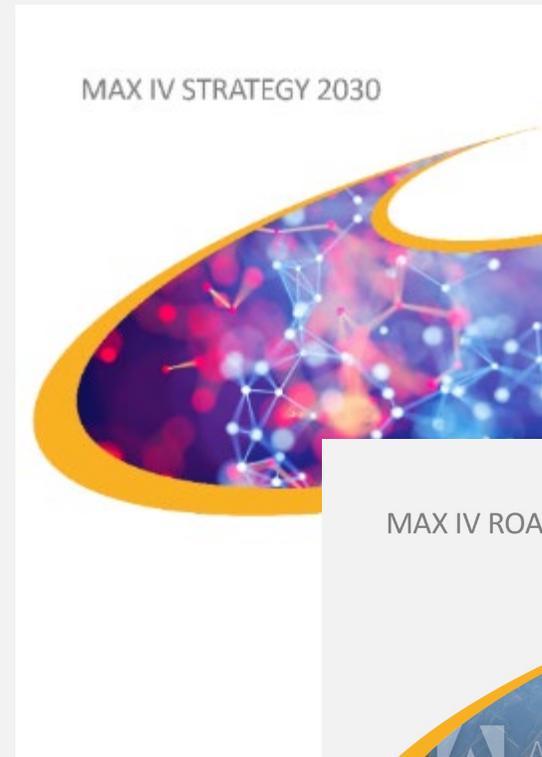


STRATEGY AND ROADMAP

The Strategy document, this is a long-term document whose overall structure is not expected to change significantly once it is established – however this is not yet for a while. Two or three more major drafts are expected.

The Roadmap document – Detailing suggested beamlines and all major infrastructure changes. Based on open call for Expressions of Interest, and updated annually (at least until 2023). Will be like more structured and developed “capabilities” section from the First Draft.

First Expression of Interest deadline: **18th of Nov**



STRATEGY CONTRIBUTIONS

For more information, please see the feedback and writing process page:
<https://www.maxiv.lu.se/about-us/strategy/feedback>

We are now working towards a second draft of the Strategy Document, due January 15th, expecting at least a third draft in the spring and another one if need be before finalising. The drafts will be made available publicly. The user community is expected to take part in creating the drafts and will also receive them for feedback. Some specific bodies that are asked for input are:

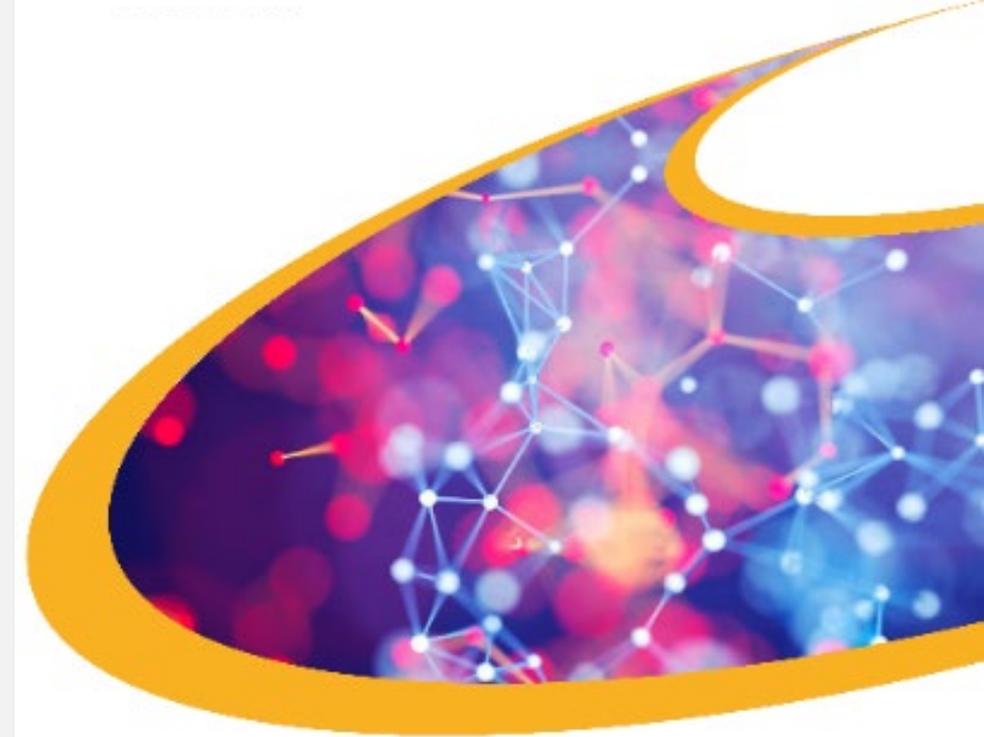
The MAX IV Advisory bodies, in particular the Scientific Advisory Committee (SAC), and the University Reference Group (URG), see:
<https://www.maxiv.lu.se/about-us/governance/advisory-bodies/>.

The University Reference group For Infrastructure (URFI), a set of university-appointed delegates that advice on research infrastructure policy in Sweden.

Swedish universities contributing to MAX IV funding

Public and private funding bodies

MAX IV STRATEGY 2030



MAXIV

WORKING WITH A TRANSFORMATIVE SCIENCE SECTION

Contributions to these sections are coordinated by people within MAX IV and are currently the subject of active work via workshops and coordination of writings from the community.

The Strategy document has a wide target audience and is very short, at about 25 pages, so most groupings have decided to work on a longer underlying document, setting out the Strategy for the area in more detail.

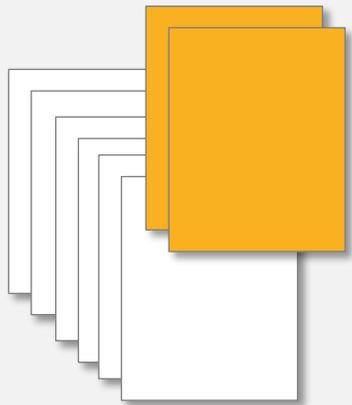
When writing these contributions it will be important to consider that the Strategy should set the tone for the evaluation of items for the Roadmap, in particular the basis for evaluation of how the proposed item:

- Positions MAX IV at the international forefront of science
- Utilizes the unique capabilities of MAX IV
- Is relevant to the current and future MAX IV user community
- Has potential for societal impact
- Is likely to be a success
- Has a reasonable timeframe for implementation

Current roster of coordinators	Area
Martin Stankovski	Overall
	Transformative Science Section
Åke Andersson	Accelerator Science
Andrey Shavorskiy	Energy Technologies and Materials
Marjolein Thunissen	Health and Medicine
Kajsa Sigfridsson Clauss	Tackling Environmental Challenges
Balasubramanian Thiagarajan	Quantum and Advanced Materials
Pedro Fernandes Tavares	Ultrafast Science
	Transverse Topics
Zdenek Matej	Data handling and AI & ML
Ann Terry	Dynamics
Karina Thånell	Imaging
Magnus Larsson	MAX IV and Industry

WORKING WITH A TRANSFORMATIVE SCIENCE SECTION

Go into the main document



2 First pages

Should contain:

In brief –2-3 paragraphs with “elevator pitch” to public.

Summary of topic - 1,5p., containing the challenge in the international and national context, listing of related science subareas, future challenges, how MAX IV can and will contribute, what is needed, and last but not least:

Goals for the Transformative Science Area

AN IN-DEPTH STRATEGY DOC

Can contain:

Expansion in depth on the issues brought up in the first 2 pages, suggested form:

Background

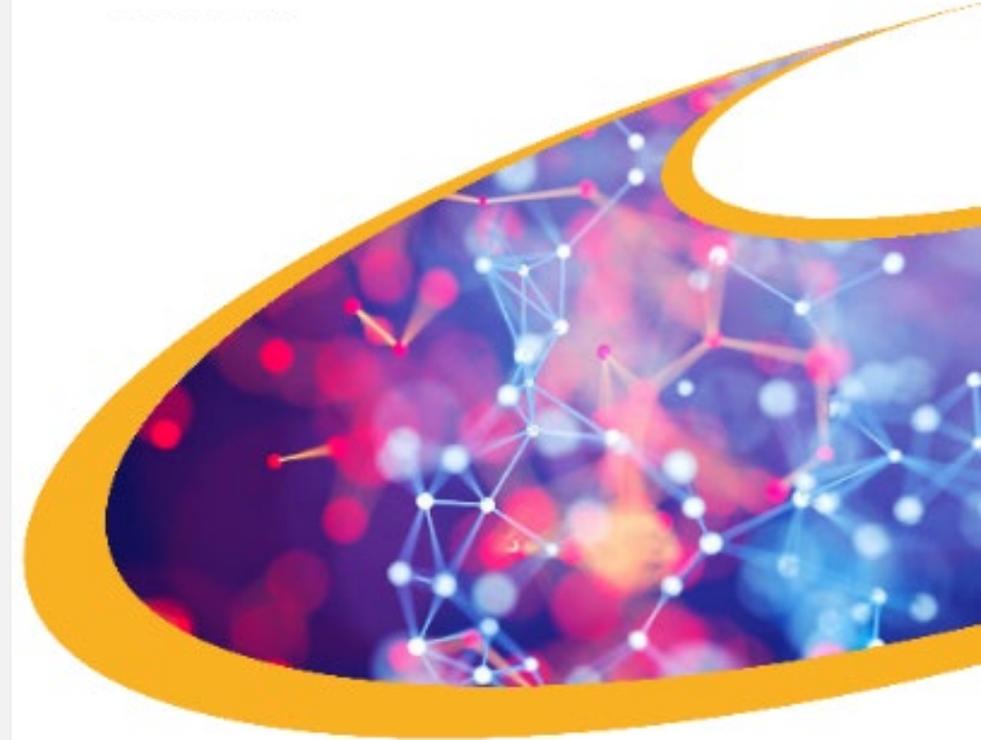
Scientific areas - which areas and relevant techniques now and in future

Strategy for Impact

Goals in-depth description of what they are and how they deliver the impact

All is up for discussion!

MAX IV STRATEGY 2030



Nominate committee candidates

Expression-of-Interest Evaluation Committee

MAX IV aims to establish an efficient and transparent process for evaluating Eols. We are now requesting nominations for potential members of the **Eol Evaluation Committee**. The target size is about 10–12 people, and we expect the composition to be made up of selected individuals from the SAC and MAC, representatives of the Swedish user community, and representation of the interests of industry. The Committee needs a broad range of candidates with profound insight into Swedish, Nordic and international research in all areas relevant for MAX IV, as well as people familiar with facility and technology developments at the forefront of international synchrotron science.

How to nominate

Please, send nominations to strategy@maxiv.lu.se. These should have a Name, Affiliation, Contact details (at least an email), and Motivation, i.e. a short paragraph (a couple of sentences) about why they would be suitable. Please include “Eol Evaluation Committee Nomination” in the subject line of the email.

Note that we will follow the [Swedish Research Council principles on conflicts of interest](#).

The deadline to send in nominations is also 18 Nov 2021

UPCOMING WORKSHOPS

Several are in the pipeline (as of 2021-10-20), for updated info see: <https://www.maxiv.lu.se/about-us/strategy/workshops/>

Summary of upcoming WS and events known:

October 21st, 13:00 – 16:00 CET, 2021 – Workshop on Bioenergy Technologies – Energy Technologies and Materials

October 25th – 27th, 2021 – The 33rd MAX IV User Meeting

October 28, 2021 – Ultrafast x-ray science using SXL at MAX IV

