# (A personal perspective on) <br> Gender Equality Initiatives in the UK 

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PDEs and Probability Theory: Beyond Boundaries Diversity and Inclusion in Mathematics Exchange Session

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# The Athena SWAN Charter 

Introduced in 2005. Initially set out to encourage and recognise commitment to advancing the careers of women in science, technology, engineering, mathematics, and medicine (STEMM) institutions of higher education and research.

Members expected to apply for Athena SWAN awards, at Bronze, Silver or Gold level. Each award is valid for four years. Currently, 962 awards held:

- 164 are held by institutions;
- 798 held by departments.

Members commit to adopting ten principles, which focus on promoting and supporting gender equality for women. In particular, the charter aims to address what is known as the "leaky pipeline" of women progressing to senior roles in science by removing obstacles to their advancement through


Athena, in front of the Academy of Athens

## Application and action plan

Committee members: Typically men and women, range of levels (PhD to Prof, plus support staff).
Application: Outlines how the various Athena SWAN principles have been incorporated into policies, practices and culture, and the impacts of previous actions.

Action plan: Proposal of new actions to tackle outstanding issues (measurable, responsibilities clear).


Faculty of Mathematics, University of Cambridge:
https://www.maths.cam.ac.uk/internal/faculty/equality-and-diversity/women-in-mathematics/athena-swan
School of Mathematics, University of Bristol:
https://www.bristol.ac.uk/maths/working-environment/swan/
Department of Mathematics, University College London:
https://www.ucl.ac.uk/maths/equality-and-diversity/athena-swan

- Evidence-based
- Local context
- Concrete actions
- Monitoring


## Some academic discussion

Plenty of work has gone towards discussing the scope of the scheme, and its effectiveness.

High quality data change benchmarking

$\qquad$ Obtaining good-quality gender-disaggregated data is incomplete, improperly formatted, or duplicat amended or removed

- Data should include both quantitative and $q$ metrics
Appropriate leadership
Leadership must be commensurate with the
and scope of systemic change
must be invested and possibly hold a leaders ADVANCE and Athena SWANwork ADVAN E andA effects on their career
- Men in science, technology, engineering and (STEM) should become more involved for lon sustainability
Implementation and sustainability of policy
- Policy changes depend on the senior manage
- Recruitment, hiring, research support, tenure and
promotion criteria, and work-life balance represent
frequent focuses of policy change
Once in place, even negative policies might be difficult to
eliminate
Women should be represented on the senior management team and willing to challenge individual beliefs that go against diversity




## LONDON MATHEMATICAL SOCIETY EST. 1865

## Council Statement on Women in Mathematics

## Committee for Women and Diversity in Mathematics

Operates grant schemes, events and the good practice scheme.
https://www.lms.ac.uk/about/committees/women-mathematics-committee

## Good Practice Scheme

Provides specific support for departments working towards Athena SWAN award status.
https://www.lms.ac.uk/women/good-practice-scheme
See in particular:

- "Advancing Women in Mathematics", which gives many examples;
- "National Benchmarking Study", which gives data for context.


# e fact that there are fewer women in the mathematics community means that the 

 i. Those few women who reach the higher levels are dispropoptionately called on to sit on committees etc., to the detriment of their own careers.Women are often called on to take part in 'people-based' activities rather tha
research-based' activities, to the detriment of their own careers.
iv. Compared with men, women may be disadvantaged by societa norms and

##  members and is required for panel chairis (so that no candidides are disadrantaged by the pol Cesss) he department makes sure that individuals who participate in the process at department level are

Indicator 7A: Appointment panels one woma woman and one man on all appointment panels, the small humber or wom trenc concerms as a
overburdening them) was frequenty cted as a problem. Several department sefered to the appointment of panel members as gender bind. O
commented that the preference was 0 . pannes were uat he preference was to ensur indiviual circumbstances regardeess of gender Some had found ways around the issues of small numbers
of women act appointing a female from another relevent department. Alternativel; all members of the department provided input into shor--ISting, and
ater presentations by cand
 even though there
The position on postdoctoral research fellow spated thant there was was no noequirement tor at least on woman and one man on all appointment panels
postioctoral research fellow appointments. Good practice reported by departmens: - University policy that panels include at least on man and one woman was adhered to and monitored. Women were appoint
Indicator 7B: Representativeness of appointment panel membership in many departments, the composition In many departments, the composition of short-
listing and intevies panes was determineal by the
unversity) universityffaculty, and the number of department
reperesentatives was limited, often just the HoD, and
 early career people on panels-making it easier
find women to seve on panes. All academic staft were encouraged to contribure
to an academic selection process (eg by maxing comments on candidates' CVS, participating in a post-presentation discussion, eti)
$\qquad$
Indicator 7C: Unconscious bias/no candidate disadvantaged
$\qquad$ departments keen to appoint qualified women
if possible. However, this was not the case everwhere o ne department stated that unconscious bias was not considered at any point
the poppointment process. Anther evartment
reported that a althoug taing was
 covered
One department had concerens that although they

 insertition approasch to issues like unconscious bias Good practice reported by departments:

- Univesity $H R$ ensured all panel members were - University HR ensured all panel members were
appropititely traind in equal opportuniti isues.
. Unconscious bias was covered in internal training
attendance was encouraged for al on panels and is compuscony for panel chairs



## LONDON MATHEMATICAL SOCIETY EST. 1865

## Advice on diversity at conferences and seminars

https://www.Ims.ac.uk/adviceondiversityatconferencesandseminars

## Example of implementation:

https://www.Ims.ac.uk/grants/conference-grants-scheme-1

## Conference Grants

## From the guidance:

- Applicants must comply with the Society's policy on Women in Mathematics - please note that the Society considers a lack of invited women speakers to be a very real problem, and a failure to include women speakers are grounds for refusal for funding.
- Additionally, please note the following advice on diversity at conferences/workshops/seminars.
- In addition, the Society allows the use of the grant award to cover Caring Costs for those attendees who have dependents.


## From the application form:

- Please indicate any who have provisionally accepted an invitation to attend and the gender of all speakers. The Society expects that the organisers of conferences who are seeking grants will invite both male and female speakers. Failure to comply with this policy is a common cause of rejection.
- The full statement of the Society's policy on Women in Mathematics is available here. Consideration should be given to the provision of mechanisms to enable participation by people with children or family responsibilities.
- Budget includes: Other, including caring costs.

