

## **CMS statement in response to publication of the Bond Review**

The Mathematical Sciences community welcomes the Bond Review Report<sup>1</sup> which clearly demonstrates the importance of mathematics and its impact across an exceptionally wide range of disciplines, technologies and industries. The review has recognised the need to develop a sustainable people pipeline of top-level Mathematical Sciences talent within academia, nurturing individuals keen to engage with government, industry and wider research challenges.

The report highlights the current shortage of such individuals and makes a strong case for increased investment in the discipline. It also recognises the need to establish infrastructure to facilitate effective and timely communication and interaction between mathematicians and potential users.

The CMS has met with individuals from the Mathematical Sciences community for a high level discussion of the report and its recommendations and with regard to the various areas covered in the report it was agreed as follows:

### **1. Governance:**

There is strong support for the establishment of an Academy for the Mathematical Sciences with careful consideration being given to the most appropriate governance model for, and remit of, such an institution and its relationship to existing learned societies.

### **2. Skills:**

Knowledge Exchange in the Mathematical Sciences community should be encouraged and additional funding for academic Mathematical Sciences would be very welcome.

A performance based incentive model for the Mathematical Sciences, similar to the Higher Education Innovation Funding as previously administered by HEFCE would facilitate innovative engagement with the user community.

### **3. National Resources and Infrastructure:**

These recommendations would be beneficial, and could largely be included under the framework of the proposed Academy for the Mathematical Sciences.

The Heilbronn Institute is an excellent model on which to base at least one national centre but further consideration as to how to effectively replicate this would be needed.

### **4. Regional Support:**

The establishment of regional Knowledge Exchange centres links strongly with the 'place' agenda stemming from the industrial strategy and there is strong support to explore this further.

### **5. Government:**

Stronger links between the Mathematical Sciences community and government can only be beneficial and should be encouraged.

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<sup>1</sup> The Era of Mathematics: An Independent Review of Knowledge Exchange in the Mathematical Sciences, Professor Philip Bond  
<https://epsrc.ukri.org/newsevents/pubs/era-of-maths/>