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# SynBio to EngBio ...



# Thoughts on transition from Synthetic Biology to Engineering Biology

Nigel P Minton

Director of the BBSRC/EPSC SBRC @ Nottingham &  
the Carbon Recycling Network

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UK



## UK BioIndustry Association

... Engineering biology (also called 'synthetic biology'), ...



## UK



### UK BioIndustry Association

... Engineering biology (also called 'synthetic biology'), ...

## USA



The Engineering Biology Research Consortium (EBRC) is a non-profit, public-private partnership dedicated to bringing together an inclusive community committed to advancing engineering biology to address national and global needs.

### WHAT IS SYNTHETIC/ENGINEERING BIOLOGY?

Synthetic biology aims to make biology easier to engineer. Synthetic biology is the convergence of advances in chemistry, biology, computer science, and engineering that enables us to go from idea to product faster, cheaper, and with greater precision than ever before. ....



Nov 2019

**ENGINEERING  
BIOLOGY  
A PRIORITY  
FOR GROWTH**



**“Engineering biology is the application of rigorous engineering principles to the design of biological systems, with the objective of contributing to economic activity and sustainable and resource-efficient solutions to the societal challenges faced in food, chemicals, materials, water, energy, health and environmental protection”**



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So pretty well Synthetic Biology with perhaps a **stronger emphasis** on Engineering (well it was produced by the Royal Academy of Engineering) and a greater emphasis on how it will benefit the economy and **society**.

It follows, that RRI must be central to any activities that may be contemplated under the banner of Engineering Biology.



Figure 2

Reviews addressing UK engineering biology over the last decade

## REFERENCE TO THE BBSRC NIBBs ?

