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37<sup>TH</sup> ANNUAL LECTURE

# THE JAWS OF DEATH

LONDON'S INCREASING  
DEMAND FOR WATER

VS

NATURE'S RAPIDLY  
REDUCING SUPPLY

DR CHRIS LAMBERT  
AND DR PRITI PARIKH

MONDAY  
16 MAY 2022

The Royal College of Physicians  
11 St Andrews Place, Regents Park,  
London NW1 4LE

The event will start at 5 pm followed by the  
lecture at 5.45 pm. This will be followed by  
reception drinks at 7 pm and an excellent  
dinner at 7.30 pm. The evening will end at  
approximately 9.30 pm.

### Who should attend?

Liverymen and guests  
Corporate Members and guests  
Corporate Members trainees, apprentices  
and graduates (special concessions apply)

## How do we keep the taps running in 2050 and beyond?

### JOIN THE DEBATE

Looking around the world many great cities like Beijing, Moscow, Tokyo, Sao Paulo, Cape Town and Istanbul are facing growing existential challenges to keep the taps running and provide people with good drinking water. London is no different.

Thames Water currently supplies 2.6 billion litres of drinking water every day. As a result of a growing population, reduction in the availability of water and climate change, the current forecasts show that this will need to increase by at least a third by 2050. Therefore action is needed to keep the taps running.

People in London and the South East will be at risk of an inadequate supply of drinking water by 2050 unless water companies in the South East region implement a range of solutions included in their recently published strategic plans. Options include new reservoirs, transfer of water between regions, reuse of water, desalination, reducing leakage and domestic usage and improved catchment solutions. More details on these plans for the South East region can be found in the South East's recently published document "Futureproofing our water supplies — a consultation on our emerging regional plan for South East England". This plan, which is hot off the press and open for consultation until 14th March 2022, can be found using the following link [wrse.uk.engagementhq.com](http://wrse.uk.engagementhq.com)

Will these options be implemented effectively to keep the taps running or will we be left with a substantial and growing lack of drinking water as we approach 2050 and beyond?

We are delighted to welcome Dr Chris Lambert Senior Technical Advisor to Thames Water who will present the plans to keep the taps running through to 2050 and beyond and Dr Priti Parikh Associate Professor at the Bartlett School of Sustainable Construction who will focus on global water challenges and raise important questions.

**Dr Chris Lambert**, a hydrologist by background, has worked in the UK Water Industry for 34 years with experience in strategic planning for both clean and wastewater services. As Water Resources Senior Technical Advisor, he is responsible for developing Thames Water's long-term investment strategies for water supply demand planning. This includes the company's Water Resources Management Plan, Drought Plan and input to Water Resources South East regional plan.

**Dr Priti Parikh** is an Associate Professor at the Bartlett School of Sustainable Construction and founder director of UCL's Engineering for International Development Centre. This centre focuses on infrastructure solutions for human development and wellbeing; and researches locally acceptable water-sanitation-energy solutions in low-middle income countries.

She was recently recognised by Apolitical as one of the 100 most influential academics for government policy. She has industry experience in South Asia, Sub-Saharan Africa and the UK on design and delivery of infrastructure with a focus on partnership with local communities. She holds the Bboxx/Royal Academy of Engineering Senior Research fellowship on solar energy access in sub-Saharan Africa. She is a Fellow of the Institution of Civil Engineers (ICE), ICE Council Member and sits on the board of Happold Foundation and Engineer's Against Poverty.

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**MONDAY**  
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**Reply to:**

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