

We are pleased to launch



# The ZERO Institute

Zero-carbon Energy Research Oxford

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# The ZERO Institute: Zero-carbon Energy Research Oxford



New inter-departmental **energy systems research institute:**

- Funded by the university's Strategic Research Fund
- 5 years' support; £3.2 million from 1<sup>st</sup> January 2022
- Supported by departments of Engineering, Materials, and Geography & Environment
- Focus on systems priorities for zero carbon energy
- The university's initial research input to the proposed Energy System Accelerator (TESA) development in Osney

# The ZERO Institute: Aims



- Establish Oxford as a centre for thought leadership on zero carbon energy systems
- Fill gaps in research on systems issues critical to the zero-carbon transition
- Provide leadership in stakeholder engagement, networking and development for the community of energy researchers in Oxford
- Bring together existing research based in departments, to address interactions and systems issues
- Provide an externally visible 'brand' and point of contact for energy research at Oxford, building on the Oxford Energy Network.

# The ZERO Institute: Vision and Mission



## **To provide:**

insights, tools and techniques that will accelerate the transition to a just, zero-carbon energy system

## **To develop:**

The staff, resources and organization to deliver at the scale required.

# The ZERO Institute: Underlying principles



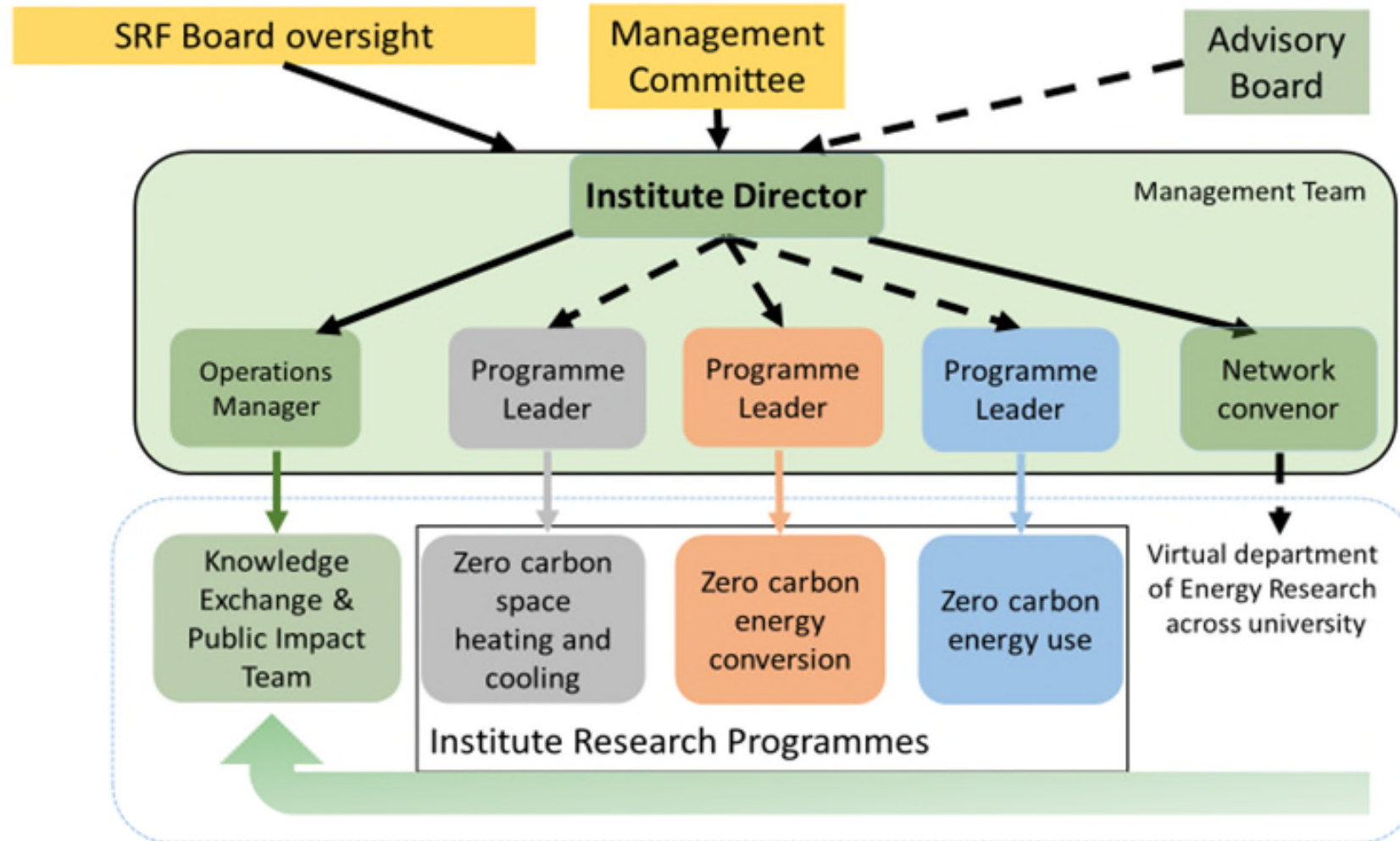
The goal is zero carbon energy, i.e. energy systems without fossil fuels

Achieving this requires systems thinking

Development and adoption of new technologies will be critical

Innovation will be required in business models, institutions, policy and society

# The ZERO Institute: Organisation Structure



# The ZERO Institute: Proposed activities



## Sharing strengths

Websites

Newsletters

Social Media

## Social networks

Academic seminars

Engagement seminars

Webinars

SIGs

Breakfasts / dinners

## Skills development

MSc

Lectures

Projects

DPhil sponsorships

Exec education

Recruitment activities

## Problem solving

Bespoke workshops

Sprints

Joint funding

Research projects

Consultancy

## Impact

Innovation projects

Policy influence

Spin out

Corporate engagement

Philanthropic engagement

# The ZERO Institute: Next steps



Recruitment is beginning. First, an open advert for a permanent Director  
Establish links and working arrangements with key activities in the university: sustainability strategy, Oxford Net Zero, major energy research programmes  
Plan and deliver some quick wins in problem-solving and impact

**Please talk to us if you want to be involved**

**[www.zero.ox.ac.uk](http://www.zero.ox.ac.uk)**

**Contact [gemma.watson@eng.ox.ac.uk](mailto:gemma.watson@eng.ox.ac.uk)**