

# Supergen Energy Storage Network+

UKES 2019

3<sup>rd</sup> September, Newcastle University

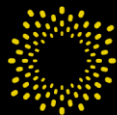
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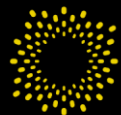
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Energy Storage

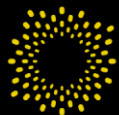
# At a glance...

- **19** investigators from 12 institutions
- **£1m** total with **£800k** from EPSRC
- **£100k** (cash) from the International Energy Storage Alliance for joint international projects
- **£450k** of flexible funding
- **54+** supporting organisations globally
- **£2m** (in-kind support) from 34 project partners
- **48** months in duration
- **2<sup>nd</sup> September** start date



# Vision 1.3

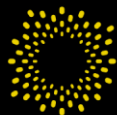
- The Network+ will be an integrated, forward-looking platform that communicates the expertise of the storage community to academia, industry and policy. Collaborating with stakeholders from different sectors and disciplines across the whole energy storage value chain, the Network+ will shape the future of energy storage research in the UK.



# Objectives 1.3

- ❑ To better understand and visualise the energy storage community.
- ❑ To further integrate the energy storage community across discipline and sector.
- ❑ To collaboratively identify research areas for focus.
- ❑ To nurture talent and expertise.
- ❑ To set (and meet) ambitious, measurable goals for equality, diversity and inclusion.
- ❑ To complement existing activities, maintain and strengthen the UK's leading position in energy storage R&D.
- ❑ To become a focal point for the energy storage community and associated stakeholders, driving the storage agenda
- ❑ To deliver impact nationally and internationally.

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# Project Overview

- A thriving, diverse & well-connected community for energy storage & related areas
- An authoritative & impactful energy storage document for all stakeholders
- Technology breakthrough ideas co-created through application-driven feasibility studies
- Comprehensive energy storage related data that is curated, accessible & sign-posted

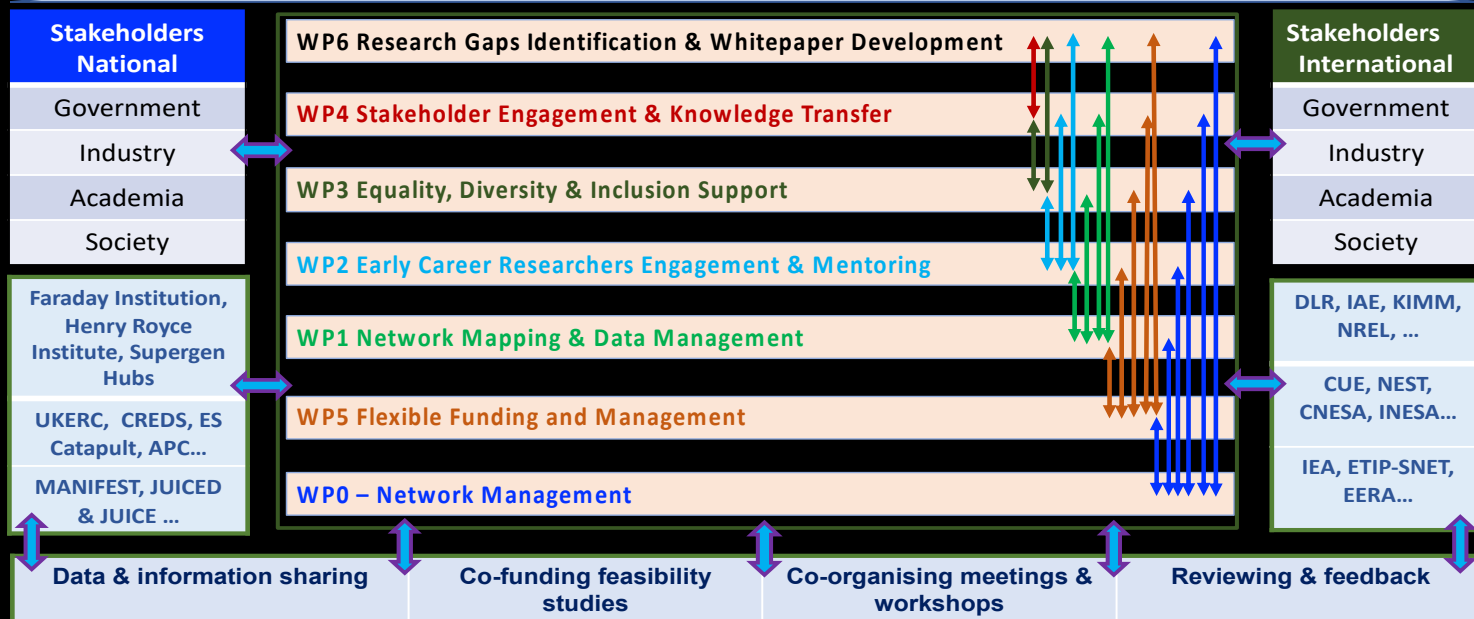
Early Career Researchers Engaged, Connected & Mentored

Equality, Diversity & Inclusion Embedded Within ES-Network+

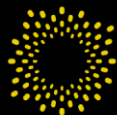
Research Gaps & Priority Identified for Further Research

Entire Energy Storage Community Mapped & Engaged

ES-Network+ will deliver



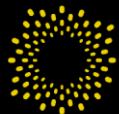
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# WPO – Network management

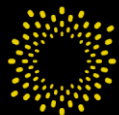
- Leads
  - Yulong Ding (Bham) with project management board (MB)
- T0.1 – Recruitment
- T0.2 – Setup of MB
- T0.3 – Setup of advisory board (AB)
- T0.4 – Monitoring and review
- T0.5 – Communications
- Deliverables: Comms plan, MB/AB TORs, 12M rev

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# WP1 – Network mapping

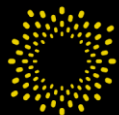
- Leads
  - Jonathan Radcliffe (Bham) and Alexandra Gormally (L'caster)
- T1.1 – Data management strategy
- T1.2 – Network mapping
- T1.3 – Dissemination
- Deliverables: DMP, stakeholder analysis, data uploads to UKESTO



# WP2 – ECR engagement and mentoring

- Leads: Paul Shearing (UCL) and Yongliang Li (Bham)
- T2.1 – Working group set up and strategy
- T2.2 – ECR engagement and data gathering
- T2.3 – ECR forum
- T2.4 – ECR mentoring
- T2.5 – ECR targeted funding
- T2.6 – Annual review
- Deliverables: ECR working group, engagement/mentoring strategy, ECR travel grants started, annual review of ECR programme

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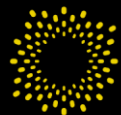


# WP3 – Equality, diversity and inclusion

- EPSRC Data (2016-17) – only a snapshot!

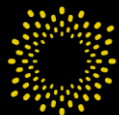
Cat.	Apps	%	Awards	%
Asian/Black/Chinese/Mix/Other	495	17.9%	130	13.3%
White	2090	75.6%	790	81%
Not disclosed	180	6.5%	55	5.6%

- Ref: <https://www.ukri.org/files/rcuk-diversity-headline-narratives-april2017-pdf/>



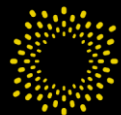
# WP3 – Equality, diversity and inclusion

- Leads: Sian Dutton (Cam) and Jihong Wang (UoW)
- T3.1 – EDI working group formulation
- T3.2 – EDI support plan development & execution
- T3.3 – EDI monitoring & review
- Deliverables: EDI support plan, survey, full EDI plan online, EDI training, EDI data to MB



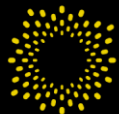
# WP4 – Stakeholder engagement and knowledge transfer

- Leads: Haris Patsios (NU) and Phil Eames (L'boro)
- T4.1 – Engagement strategy development & review
- T4.2 – Stakeholder engagement activities
- T4.3 – Knowledge transfer & impact activities
- Deliverables: User engagement strategy



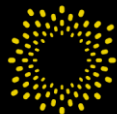
# WP5 – Flexible funding and management

- Yulong Ding (Bham) with management board
  - T5.1 – Planning
  - T5.2 – Flexible fund monitoring and impact
  - Deliverables: First FF issued, awards to FF recipients made, review of FF programme to-date and planning for round 2...
  - ECR presentation on Thursday!



# WP6 – Research gap identification and whitepaper development

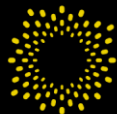
- Leads: Goran Strbac (Imperial) and Seamus Garvey (UON)
  - T6.1 – Research gap identification & prioritisation
  - T6.2 – Whitepaper development
  - T6.3 – Review, refinement, launch/publication of whitepaper
  - Deliverables: identification of research gaps...post 18 months...first version of white paper released



Website to be launched this  
week!

Thank you

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# Current activity

- 9<sup>th</sup> July
  - Met with HLG representative to discuss Network+ plans
- 5<sup>th</sup> August
  - Recruitment for Network+ Manager post
- 7<sup>th</sup> August
  - Kick off and management board meeting
  - Agreed WPs, deliverables, AB structure
- This week
  - Delivery of Supergen website

