Environmental Change Institute





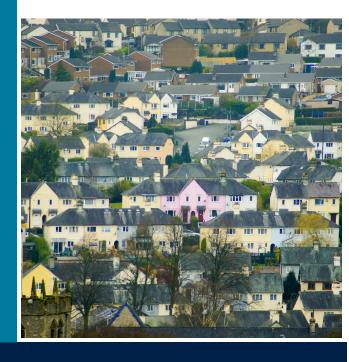
## **Retrofit Salary Sacrifice:**

A financial incentive to help decarbonise owner occupied houses.

Marina Topouzi





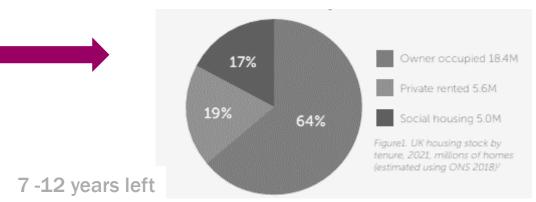


## What is the problem(s) to solve

Global share of buildings and construction final energy demand, 2021



Decarbonise the building sector



Source: CREDS- https://www.creds.ac.uk/building-on-ourstrengths-transformation-to-energy-retrofit/

2022 GLOBAL STATUS REPORT FOR BUILDINGS AND CONSTRUCTION, Source: https://globalabc.org/our-work/tracking-progress-global-status-report

"The decarbonization and sustainability transition of the built environment remains "not on track".

Who gains from Rishi's 'long-term' thinking? Not the planet, not the north ... not even him

Marina Hyde

'Let Rishi be Rishi', is t

'Let Rishi be Rishi', is the new Tory catchphrase. So far, that seems to be code for 'let Britain be rubbish' - and Suella Braverman is circling, says Guardian columnist Marina Hyde



I'm a Tory MP, but I know Rishi Sunak's claims about the cost of net zero are false Chris Skidmore

**United Nations Environnement Programme 2022** 

Policy(ies) that create

DEMAND

for RETROFIT uptake



## **Barriers to Retrofit**

Engagement, outreach, targeting



Policy to create a long-term market for retrofit

Awareness and Trust of the retrofit process

Policy consistency, Regulation and standards

**GOV.UK** 

Supply Chain capacity and skills

Finance and Incentives to retrofit



"There is no simple policy 'fix' for housing retrofit. A joined-up, cross

sectoral approach is needed"



"Energy retrofit must become embedded into the everyday

practices of builders"

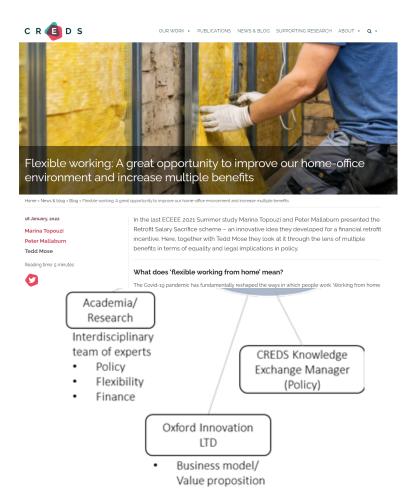


Finance and fiscal measures





# Developing a financial incentive for retrofit



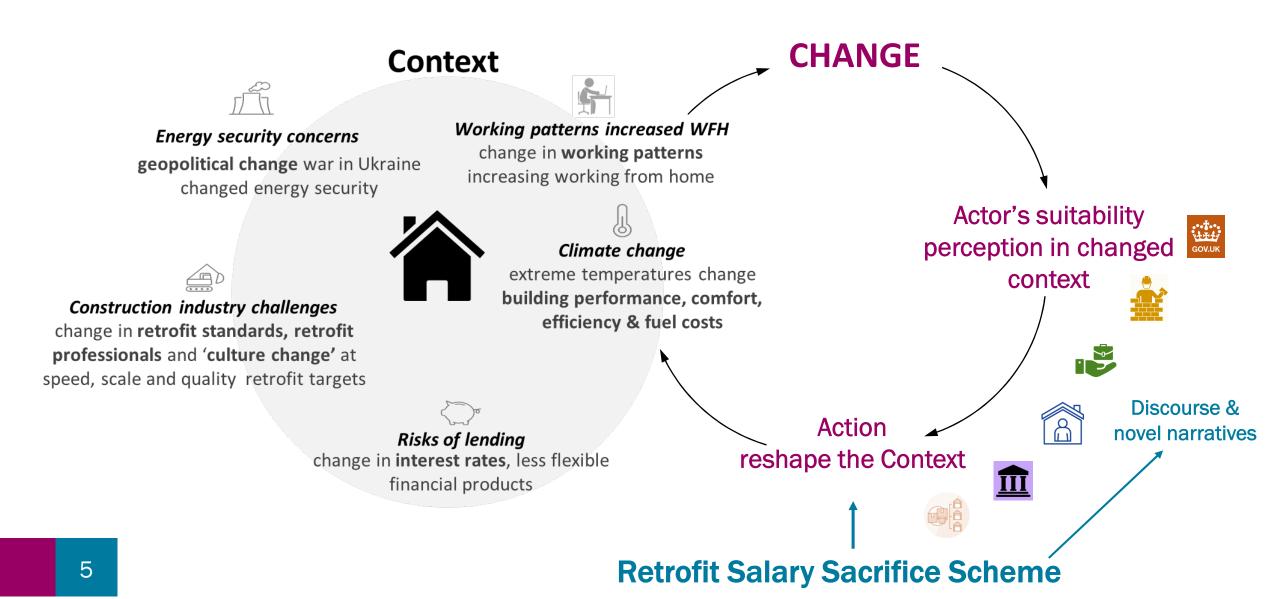
### **Retrofit Salary Sacrifice scheme**







## Changes in context related to Home Efficiency



## Rationale: Retrofit Salary Sacrifice scheme

### **Successful salary sacrifice schemes**



UKGB 2013

one policy solution to tick all boxes and solve the problem of the whole housing sector

### **Green Finance Institute 2020**



lending product for owneroccupied with a number of potential delivery partners

### problem



create demand for retrofit uptake

#### What is different:



### Salary sacrifice scheme:

employees getting a loan through their employer for home energy improvements, which is repaid via gross salary contributions



# Why RSS is different ...

#### A.Builds on

- Government's Net Zero objectives without raising taxes
- Salaried 'able-to-pay' homeowners for flexible 'future work' patterns
- Existing retrofit services (OSS-CosyHomes), and mechanisms for quality assurance of works and price control of suppliers (PAS), and retrofit roles (and accredited installers (Trustmark)

#### D. Facilitates

- Access to retrofit planning advice and finance with customer/employee centred 'service' for retrofit and RMI
- Investment in retrofitting without upfront costs and without affecting credit scores

....'able-to-pay' doesn't necessarily mean 'able-to-retrofit' if there isn't any incentive and support in customer's retrofit journey (BEIS, 2021a)

#### B. Prioritises

- Evaluation & 'understanding-first' the existing building condition, and Retrofit and Repair Maintenance & Improvement (RMI) planning

#### C. Creates

- New narratives for home efficiency and trigger for 'homeoffice' improvement
- New narratives on employment relationships
- New narrative for employers addressing Scope 1-3 of their direct/indirect carbon emissions
- Leverage for additional demand for retrofit 'service' and professionals/roles



### Testing the feasibility of the RSS idea

ESRC IAA/HEIF- Social Sciences Engagement Fellowship Fund (March 2023 5 months)

#### **Data Collection:**

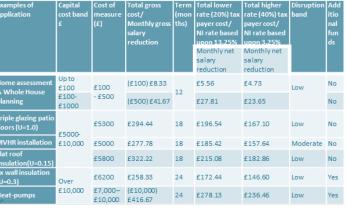
- Online survey to 5 stakeholder groups (n=70).
- Half-day online workshop (n=18).
- One-on-one conversations and meetings (n=45).

### Key areas explored:

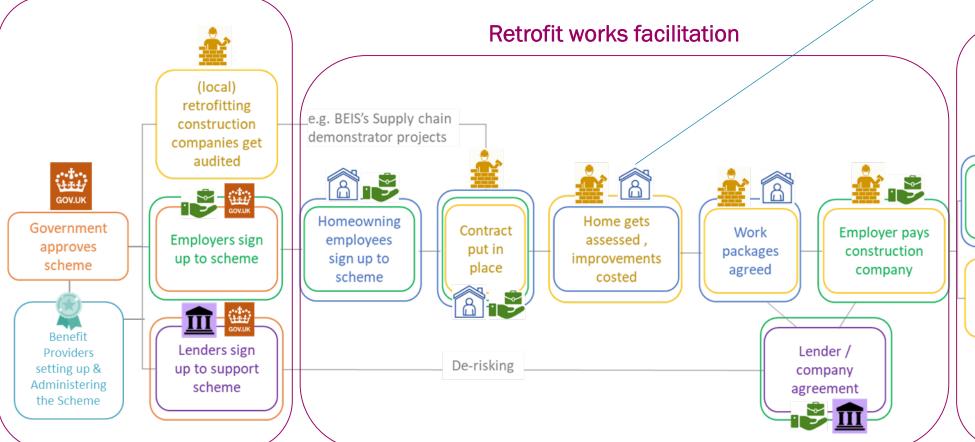
- identify where value will be delivered by RSS and to which sectors/stakeholders
- what additional benefits/barriers are associated with these value streams
- how do these benefits/risks compare with alternative interventions



## Retrofit Salary Sacrifice business model



#### Retrofit scheme administration









# Stakeholder Perspectives: Value & Beneficiaries

Value				GOV.UK	$\overline{1}$	Value
Retrofit Salary Sa	T Construction sec ↓	T Employee/homec ↓	т Employer/compа ↓	T Government/Las ↓	т Banks/Lenders ↓	т Retrofit Salary Sa
Convenience and Practicality		Simplified process	Flexible working			Convenience and Practicality
Carbon Reduction & Environmental Goals		← N	deet their own carbo	on reduction goals		Carbon Reduction & Environmental Goals
Policy Alignment and Utilization	Existing skills/roles			Existing policies		Policy Alignment and Utilization
Engagement and Market Stimulation	Stimulate supply chain growth			Boost retrofit		Engagement and Market Stimulation
Enhanced Reputation & Value Proposition	Prepare for future demands		Eco-conscious reputation		Ethical differentiation & sustainability goals	Enhanced Reputation & Value Proposition
Quality and Assurance	Accreditation & nigh-quality delivery	y Customer trust				Quality and Assurance
Risk Management and Trust	Mitigates payment	ts & quality assuran	ce		RSS structure	Risk Management and Trust
Economic and Socio- Economic Benefits	Job creation	Energy savings		Job creation & broader economy		Economic and Socio- Economic Benefits
Financial Accessibility & Affordability	Accessibility of fu	Inding and finance	Staff retention		Reduced risks	Financial Accessibility & Affordability

# Perceived challenges & potential barriers/risks



What if employees aren't interested?



How do we ensure **consistent quality** of delivery without making certification onerous?



What happens to the loan if I leave the employer providing the scheme?



How do we minimise administrational complexity, quality assurance and attractiveness to homeowners?



How do we make it fair to those who aren't homeowners?



# **Summary**

### What did we learn?

### A. Unique Value of RSS Scheme:

**Intensifies diverse routes for delivering value** that are harder to deliver with other retrofit programmes for the **home-owner able to pay sector**.

### **B.** Leveraging Past Experiences:

Using the vast reservoir of insights and in place mechanisms and services from other retrofit pilots that can be instrumental in crafting an effective RSS scheme.

### C. Detail-Oriented Planning:

For a successful pilot and subsequent rollout, attention to detail is crucial. It is vital to define clear roles, responsibilities, manage cash flows, and establish robust risk management mechanisms.

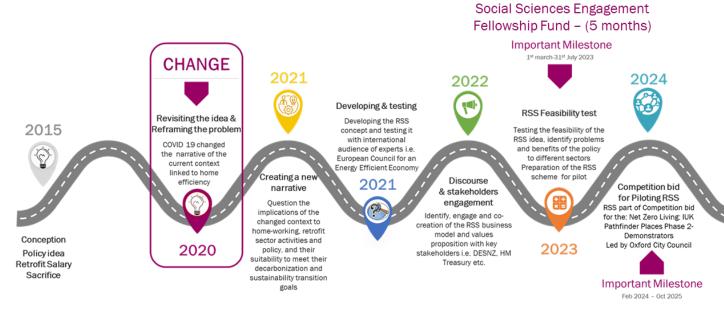


# Conclusions & next steps...



- Context and time
- Identify the change
- Discourse and novel narratives
- Engagement with stakeholders & project partners

### Retrofit Salary Sacrifice scheme



### **Next steps**

Planning and developing strategies to secure funding for the RSS pilot – IUK Pathfinder bid currently in progress



ESRC IAA/HEIF

#### Environmental Change Institute







# Thank you

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### Acknowledgement:

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#### **Funders**

ESRC Impact Acceleration Account





