

Saving a wee bit of  
rain... A Scottish  
tale...

?????

WHY DO PEOPLE  
SING AND DANCE...



IN MY PEE?



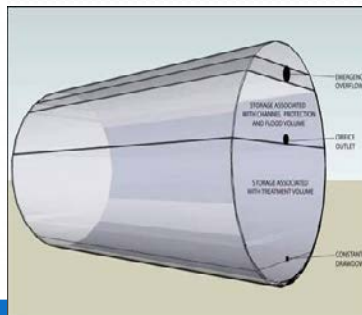
## Rainwater as a domestic water supplement in Scotland: Attitudes and perceptions

Presented by: Selina Egyir  
(PhD Student Heriot-Watt University)

# £10 billion to £12 billion huh?



107m<sup>3</sup> rain falls on UK rooftops



£5bn to convey 164m<sup>3</sup> treated RW



For domestic consumption



35% used to flush WC

WSCs £5bn to dispose safely



Manage risk  
Economy  
Natural environment



Apparently summer's going to start next month.....

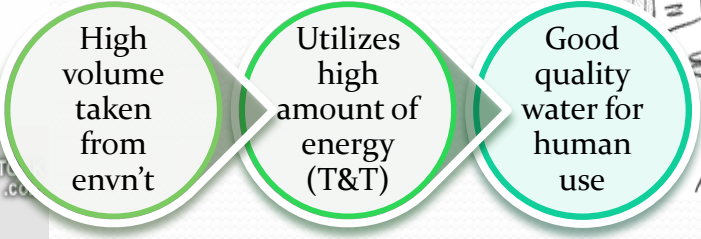


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### Perceptions ???



### Water resources under pressure



AYE BURK, ITS A RIGHT DREICH MORNIN. <http://www.stooryduster.co.uk/>

Why are we British so obsessed



with talking about the weather?



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THAT'S EXCEPT FOR VIEWERS IN SCOTLAND WHO HAVE THEIR OWN WEATHER...



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Plan carefully for the future...





# Our climate is changing...



Changing climate  
And  
Reducing our carbon footprint



Optimize RWH  
Water consumption

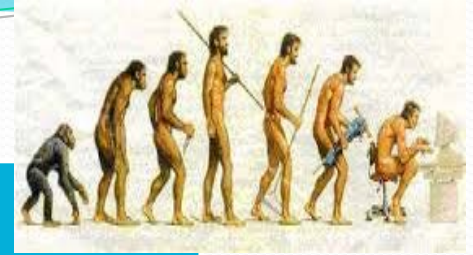


Climate change impact  
Watercourse quality



Framework  
Socio-economic acceptance  
Attitudes  
Perceptions





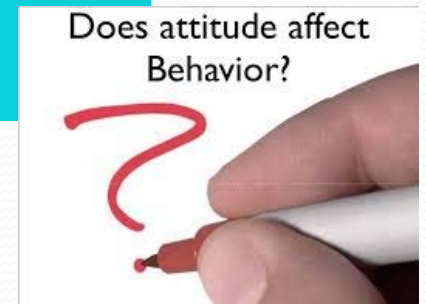
Mimicking carbon neutral explore feasibility of **RWH** in peri-urban areas in Scotland

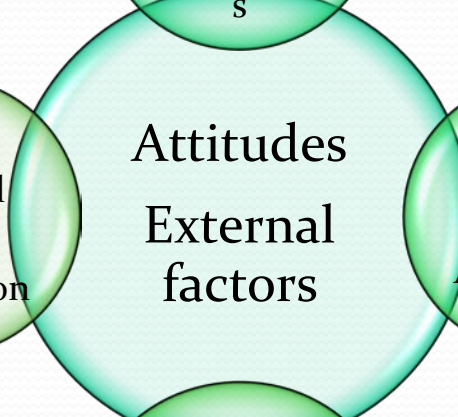
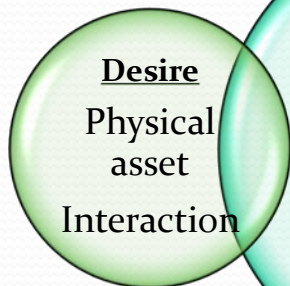
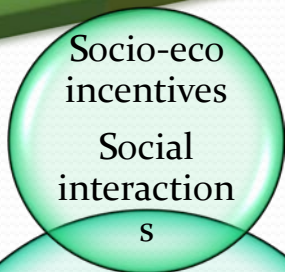
Social and technical adaptations

## Aims and objectives

Perceptions on climate and its' effects on their water source

Analyse behaviour, attitudes and perceptions





**The main research questions set were:**

**Scottish PWS householders would have a positive attitude towards RWHT**

**Scottish PWS users will be more concerned about the effects of climate change on their source of PWS than those on public mains supply**



Strongly agree

Agree

Disagree

Strongly disagree



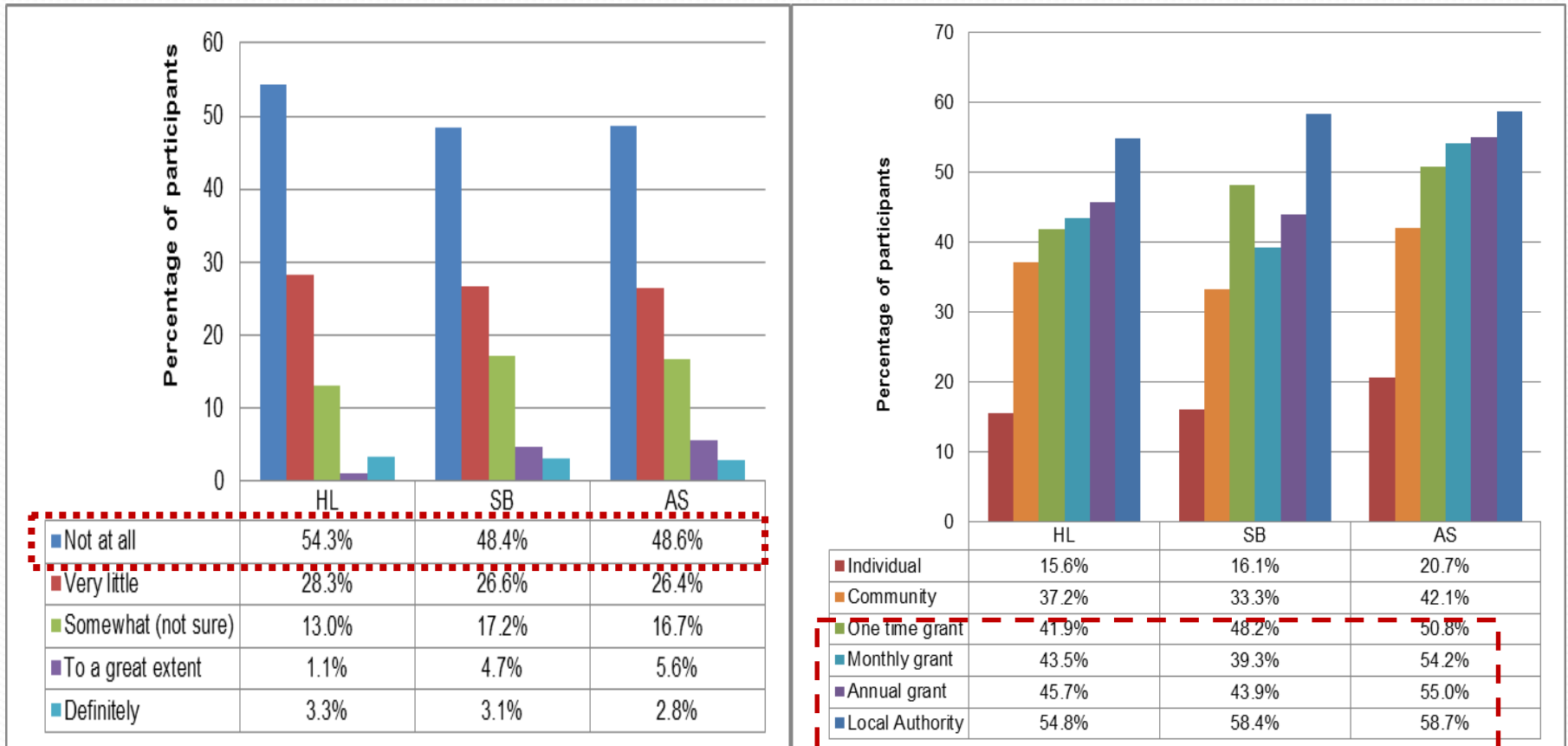
The questions a survey was developed to collect data from three local authority areas (Aberdeenshire, Scottish Borders and Highlands) The questionnaires were administered randomly and the responses received from the survey were processed to answer the overall research questions



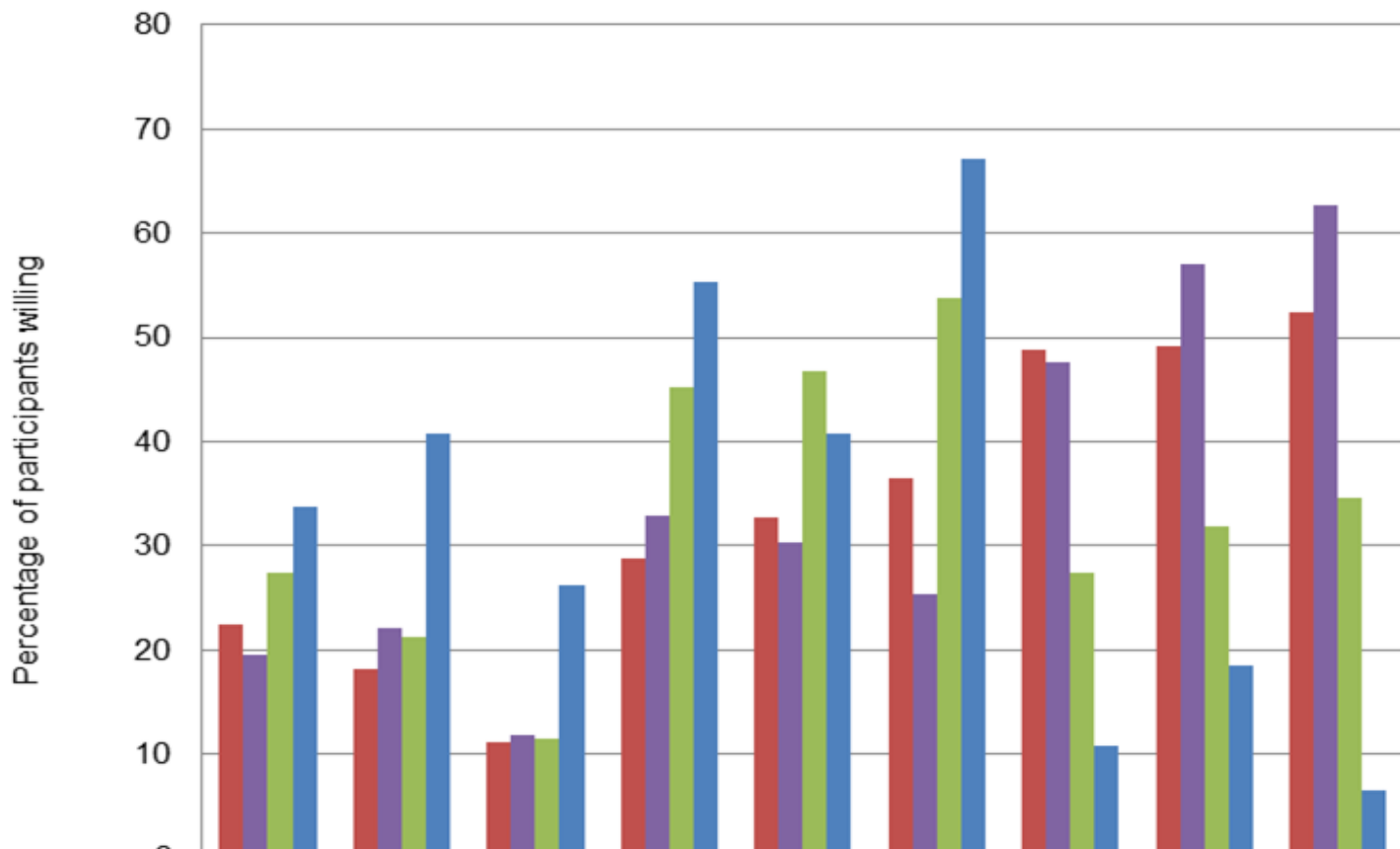


# RESULTS

## Socio-economic and technical adaptations of RWH in Scotland



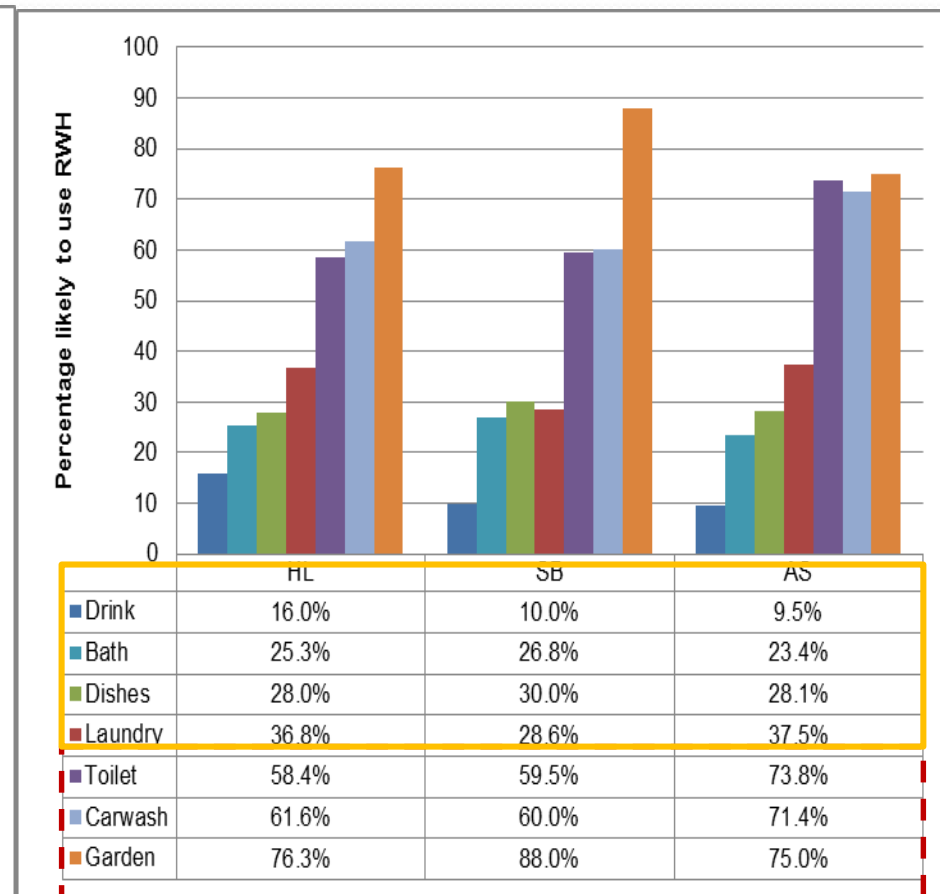
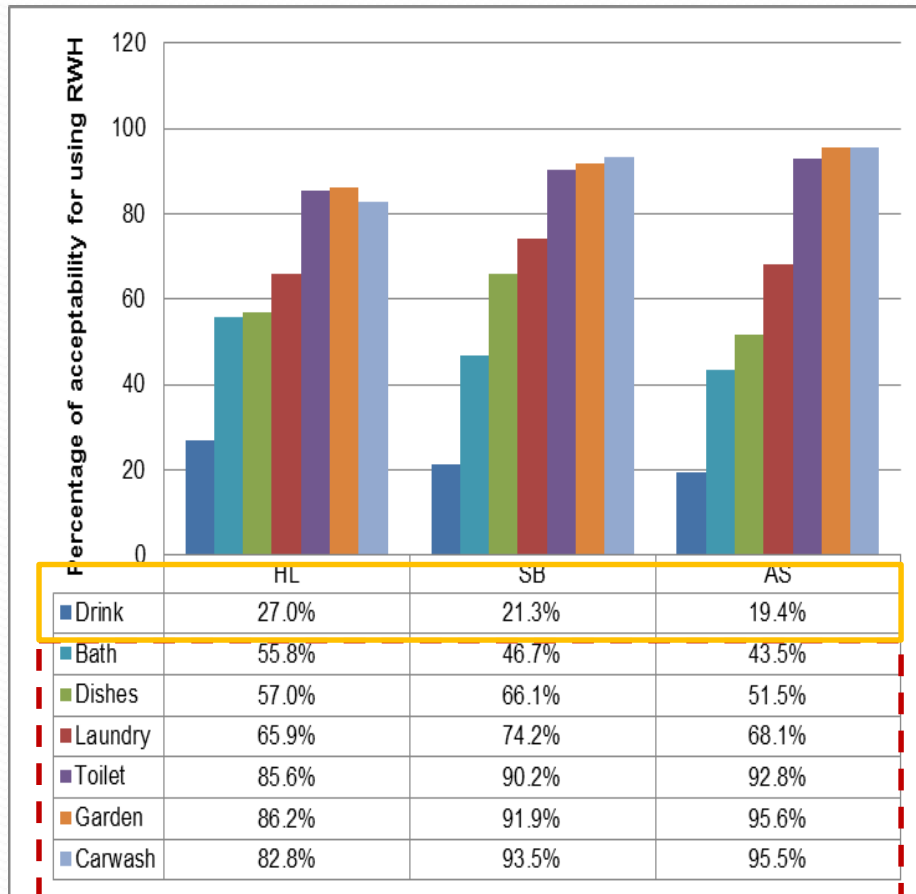
### Socio-economic incentives to implementing RWH



	Would not consider			Neutral			Definitely consider		
	HL	SB	AS	HL	SB	AS	HL	SB	AS
■ Easy to use	22.5%	18.2%	11.1%	28.8%	32.7%	36.5%	48.8%	49.1%	52.4%
■ Constant water	19.5%	22.2%	11.9%	32.9%	30.4%	25.4%	47.6%	57.1%	62.7%
■ Reduce water bill	27.4%	21.3%	11.5%	45.2%	46.8%	53.8%	27.4%	31.9%	34.6%
■ Neighbour had it	33.7%	40.7%	26.2%	55.4%	40.7%	67.2%	10.8%	18.5%	6.6%

## Adaptations and inclinations to implement RWH

# Behaviour, attitudes and perception of RWH in Scotland



**The level of acceptability and likelihood of using RWH for domestic purposes**







THANK YOU FOR  
YOUR LISTENING



ANY QUESTIONS?

