

Heating & reducing energy bills

As you'll know, there are sensors in your home collecting data about your electricity use and the temperature in your home. We're doing this in order to understand how a smarter heating system might reduce energy bills.

Dr. Tam Manner is a Research Fellow working with mathematicians, Professor Stuart Tounley and Dr. Markus Mueller, at the Penryn Campus of the University of Exeter. We asked Tam some questions about his research.

How is electricity data be used?

There is a sensor in your home with the external temperature. The difference between what we have increased the temperature inside your home and we can look at how it is used to achieve this increase.

How can electricity bills?

By comparing your home from being overheated beyond the average temperature. The more you like to have the living room warm.

business, The Smart Home Company, to understand how temperature can be used. We can then predict how much electricity would be needed to produce

needed will be less than that actually used, especially in the very cold weather. We are more likely to overheat their homes. We can then work out the money heating.

How is data used in all homes?

By getting accurate measures. Homes in the Smartline project have a sensor that is similar to each other. For example, homes that are flats, have young children, etc. are measuring gas use from a few homes in the area that information for the rest of the group.

How is data used in Cornwall?

It will help fuel the job market and the economy. Well-being can also be improved by reducing bill costs, and by using smart heating to meet our physical

supported by the European Union
to help local businesses develop
job opportunities in the county.



European Union
European Regional
Development Fund

Science Network (SN ANS) has
funding to Smartline.

South West
Academic Health
Science Network



Smartline Community

ISSUE 3 - SEPTEMBER 2018



USING YOUR TABLET

Please turn on your tablet at least once a month.

We send monthly research surveys to them so there could be one waiting for you!

NEED IT SUPPORT?

Help is available if you are struggling with your tablet computer.

Please contact Gavin at Switch Community:
01209 61098
gavinb@switchcommunity.co.uk

You can also suggest new apps and content for the tablets by speaking with Gavin.

Welcome to another edition of the Smartline newsletter.

Inside you'll find a number of articles from the team at Exeter, they talk about advancing asthma research, contributing to our understanding of volunteers using your sensor data to reduce future energy bills.

There is also an article about the Food for Change project, interested in learning how to grow, cook and eat. A number of Food for Change activities available and Redruth and sign up details are inside.

New Smartline community activities are regularly involved. Soon to start:

- Free exercise sessions at the Wesley Chapel, January starting on September 21st. This will be supported by the Red Cross.
- A 3 week IT awareness programme starting at Wesley Chapel for anyone in the local area that is confident in using their tablet or computer.

If you'd like to get involved with the community, Karen Spooner, KarenS@volunteerscornwall.co.uk

The sensor maintenance program will start soon. Blue flame will be in touch to arrange an appointment and replace any batteries required, as well as a shopping voucher.

We hope you enjoy the newsletter and find it useful. You would like to suggest future topics or add anything, emailing Smartline@exeter.ac.uk or calling us.

