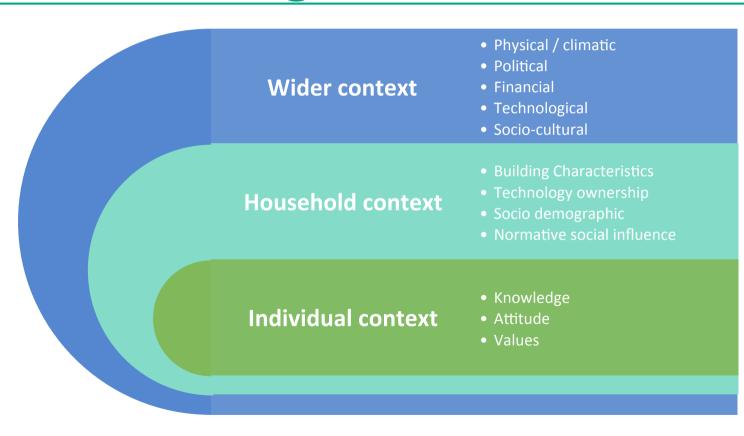




#### **Natconsumers**

- An EU H2020 project developing a mechanism for tailored, 'natural language' energy feedback and advice for households, applicable across the EU, focusing on electricity
- Creating advice which is *relevant*, *interesting* and *useful* to each individual consumer
- Communicating in a 'natural' way clear, emotionally intelligent, friendly, and evolving and developing over time

# **Understanding behaviours**



#### Two aspects of tailoring

What to say

Wider context

Individual Context

Values

Attitudes

#### **Attitudinal segmentation**

- Conducted a *survey of 4,000 people* across four countries, investigating people's attitudes in relation to energy use and their underlying values
- Identified **7** attitudinal segments



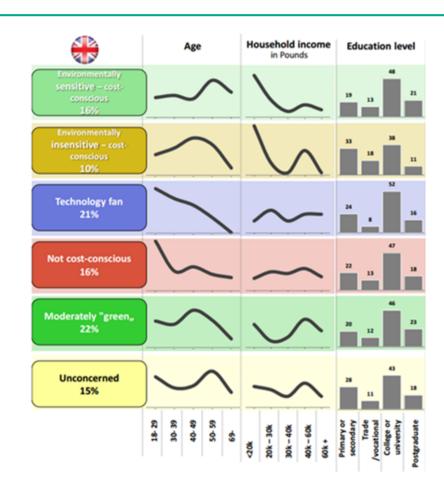
affirmative attitude dissending attitude indifferent attitude

	Technological innovation	Environment preservation	Utilitarian approach, economic rationality	size
1. Environmentally sensitive - cost-conscious		+++	++	15 - 29%
2. Environmentally insensitive - cost-conscious			++	9 - 20%
3. Technology fan	+++	0		15 - 30%
4. Not cost-conscious	+			13 - 16%
5. Moderately "green"	_	++		13 - 22%
6. Environmentally insensitive - not cost-conscious	+			0 - 9%
7. Unconcerned				15 - 23%

# **Demographics**

Some clear demographic trends:

- Technology fans and the Not-cost conscious tend to be younger
- Cost-conscious segments have lower incomes
- *Environmental* segments tend to have higher levels of education



# **Secondary attitudes**



## The segments

#### Environmentally sensitive – cost-conscious

- Environmental preservation is a key driver, with financial savings also a high priority
- Generally older, living in 1-2 person households without any children living at home
- Limited trust in new technologies, tend to have fewer appliances than the average household
- Generally have below average disposable income, and so are very cost-conscious; willing to sacrifice comfort and convenience to save money.

#### Technology fans

- Very open to and interested in new technologies; they always like to have the latest technologies and think it's fun to try new things
- Relatively young, predominantly male, with slightly above average income.
- Generally indifferent attitude towards money
- Interested in using new technologies to make their home more comfortable, make their life more convenient, or to keep up with their peers

#### Message style

Factual	The standby mode of your devices consumes electricity. You could save energy by switching them off at the wall.
Confrontational	Are you serious? You're leaving your devices in standby? It saps so much energy! Turn them off completely!
Creative	The surface is dark. Empty. Only a little red light survives. The eye of a dragon. A powerful energy monster snoring in silence.

- Preferred message style is not related to segment
- Appropriate style depends on relationship between user and sender:
  - Who is the sender?
  - Stage of communication?

# **Next steps**



# Thank you

Web: www.natconsumers.eu

Join the LinkedIn Group: Natconsumers

Link up with us on Twitter: "@Natconsumers"

Email: caitlin.bent@est.org.uk

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Type of action: CSA

Topic: The human factor in the energy system (LCE-20-2014)

Duration: May 2015- April 2017 (24 months)