The progress of technology has led to the increased adoption of energy monitors among household energy consumers. While the monitors available on the market deliver real-time energy usage feedback to the consumer, the form of this data is usually unengaging and mundane. Moreover, it fails to address consumers with different motivations and needs to save and compare energy. This paper presents a study that seeks to inform design guidelines for differently motivated energy consumers. We focus on comparative feedback supported by a community of energy consumers. In particular, we examine eco-visualisations, temporal self-comparison, norm comparison, one-on-one comparison and ranking, whereby the last three allow us to explore the potential of socialising energy-related feedback. These feedback types were integrated in EnergyWiz, a mobile application that enables users to compare with their past performance, neighbours, contacts from social networking sites and other EnergyWiz users.
The application was evaluated in personal, semi-structured interviews which gave us insights on how to design motivation-related comparative feedback.

Intellectual Contribution:
Discipline-based Research

Kongress- / Buchtitel:
International Conference on Communities & Technologies (C&T 2011)

Kongress / Zusatzinformationen:
Brisbane, Australia

Verlag / Institution: ACM

Jahr: 2011

Monat: Jun

Key publication: Nein

Peer reviewed: Ja

International: Ja

Book review: Nein

commissioned: not commissioned

Professional: Nein

Occurences:
- Einrichtungen > Fakultäten > Fakultät für Informatik > Lehrstühle der Informatik > Informatik
  17 - Lehrstuhl für Wirtschaftsinformatik (Prof. Krcmar) > Konferenzbeiträge

entries: