



# Brief Announcement: A Consent Management Solution for Enterprises

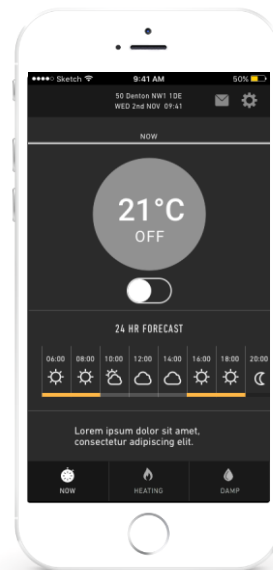
Abigail Goldsteen, [Shelly Garion](#), Sima Nadler,  
Natalia Razinkov, Yosef Moatti, Paula Ta-Shma

[shelly@il.ibm.com](mailto:shelly@il.ibm.com)

IBM Research - Haifa



# Camden Smart Energy



<http://iot-cosmos.eu/>



# Privacy Concerns

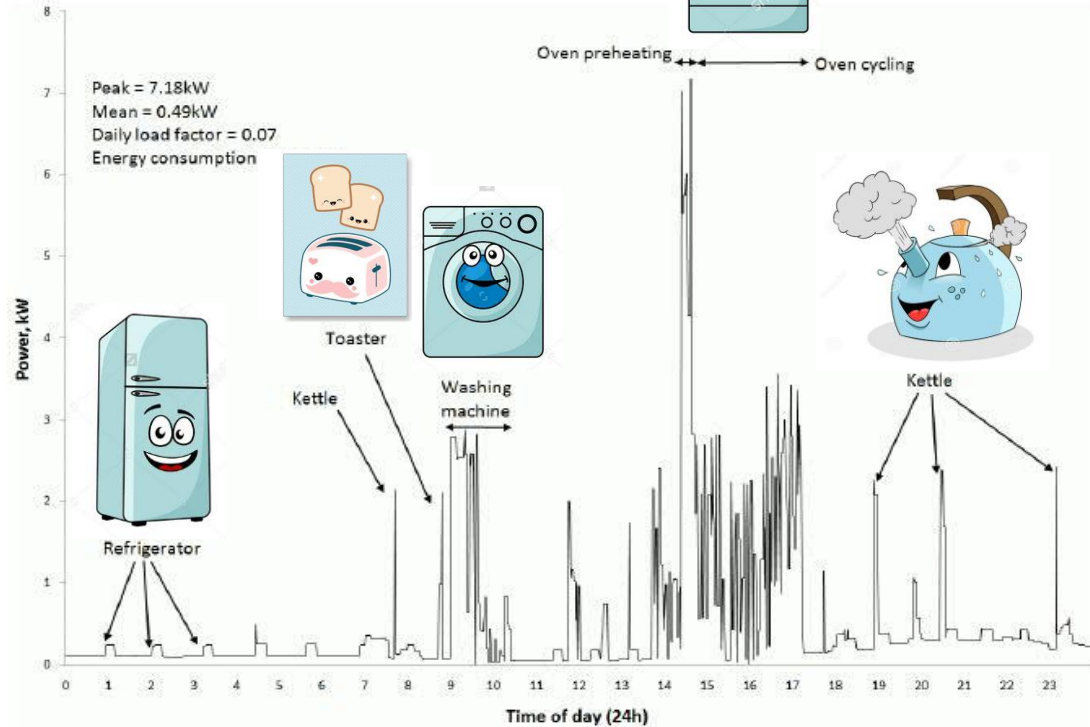


Fig. 1. Household electricity demand profile recorded on a one-minute time base, reproduced from [4]

Quinn, E.L.: Privacy and the New Energy Infrastructure,  
Social Science Research Network (SSRN), February 2009



# Privacy Challenges

The EU General Data Protection Regulation (GDPR) is the most important change in data privacy regulation in 20 years - we're here to make sure you're prepared.

## Consent

The conditions for consent have been strengthened, and companies will no longer be able to use long illegible terms and conditions full of legalese, as the request for consent must be given in an intelligible and easily accessible form, with the **purpose** for data processing attached to that consent. Consent must be clear and distinguishable from other matters and provided in an intelligible and easily accessible form, using clear and plain language. It must be as easy to withdraw consent as it is to give it.



# Consent Manager



Name:

Description:

Validity Time (days):

URL:

Category:

Legal Terms:

**Custom Attributes:**

**Data items for this Service:**

Name	Object	Field
temperature	camdenTables	returnTemp
window sensor	camdenTables	state
water flow rate	camdenTables	flowRate
water flow temperature	camdenTables	flowTemp
humidity sensor	camdenTables	state
...	...	...



**Data rules**

ID:

Name:

Description:

Destination Object:

Destination Field:

Duration (days):

Mandatory:

Anonymization Method:

Data Types:

Sensitivity:

**Custom Attributes:**



# Consent Management Architecture in COSMOS

