Citizense – A generic user-oriented participatory sensing framework

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Overall goals
- To investigate the common characteristics and requirements of participatory sensing applications
- To design and develop a framework that can efficiently and effortlessly deploy participatory sensing applications

How Citizense facilitates a participatory data collecting process?

Step 1: Author creates a campaign
The campaign manager
- Publicly available at www.citizense.uji.es
- Users can intuitively create a context-sensitive campaign with different parameters
- Campaigns can be edited later

Step 2 and 3: Participants get campaigns, send results and receive incentives
The mobile app
- Get and displays the campaign
- Encrypt the results before sending
- Work in offline mode

The campaign server
- Process requests from participants, serve them with context-relevant campaigns
- Handling different types of incentives to participants

Step 4: Participants view results
- Results are available on mobile app and web browser, in real time

Step 5: Author views campaign results
The campaign manager
- Display both the aggregated and detailed results in real time
- Preserve the privacy of participants

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